



WKU[®]

2022 - 2023

**UNDERGRADUATE
CATALOG**

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UNDERGRADUATE CATALOG

The WKU Undergraduate Catalog, published annually, provides information about the undergraduate programs of Western Kentucky University to students, prospective students, and faculty and staff of the University. Included is information concerning requirements for admission, degree requirements, undergraduate academic policies, services available to students, course offerings, and listings of the administrative offices.

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Faculty of the University

WKU faculty engage in creative activity and diverse scholarship, including basic and applied research that expands knowledge, improves instruction, increases learning, and provides service to the state and the nation. For information regarding faculty expertise (full and part-time); including academic department, professional rank, and highest degree held see: <http://www.wku.edu/faculty/>.

University Distinguished Professors, Transitional Retirees, and faculty holding graduate status are noted at the above website.

Professor

Jeanie L. Adams-Smith MA (Photography), Ohio University Main Campus, 2001
 Heidi P. Alvarez DM (Music Performance), Florida State University, 1998
 Darlene A. Applegate PhD (Anthropology), The Ohio State University Main Campus, 1997
 Gregory K. Arbuckle PhD (Technology Management (Quality Systems)), Indiana State University, 2004
 Kristina E. Arnold MFA (Art, Painting), University of Tennessee, Knoxville, 2003
 Farhad Ashrafzadeh PhD (Electrical and Computer Engineering), The University of Calgary, 1997
 Ferhan Atici PhD (Mathematics and Statistics), University of Nebraska-Lincoln, 1995
 Mustafa Atici PhD (Computer Science), University of Nebraska, 1996
 John K. Atkinson EdD (Adult, Higher, and Community Education, Information & Communication Sciences), Ball State University, 2007
 Melanie A. Autin PhD (Statistics), University of South Carolina - Columbia, 2007
 Tania B. Basta PhD (Health Promotion and Behavior), University of Georgia, 2006
 Gordon C. Baylis PhD (Neuroscience), University of Oxford, 1985
 David J. Bell PhD (English and Comparative Literature), University of Cincinnati Main Campus, 2005
 Mary P. Bennett DNS (Doctoral Nursing, Medical Nursing), Rush University, 1997
 Kenneth W. Berry PhD (English), University of Mississippi, 2000
 Mark S. Berry DMA (Music Performance, Percussion), University of Michigan-Ann Arbor, 2004
 Tilak Bhattacharya PhD (Mathematics), Purdue University Main Campus, 1988
 Ray Blankenship PhD (Business Administration- Management Information Systems), University of Mississippi, 1994
 Amy M. Brausch PhD (Psychology), Northern Illinois University, 2008
 Crista L. Briggs EdD (Instructional Technology/Education Studies, Instructional Technology), University of Tennessee, Knoxville, 2004
 Timothy A. Broekema MS (Communications), Grand Valley State University, 2001
 Christopher L. Brown PhD (Business Administration), Oklahoma State University Main Campus, 1998
 David N. Brown PhD (Physics), Purdue University Main Campus, 1992
 Reagan D. Brown PhD (Psychology), Virginia Tech, 1997

- Terrance D. Brown DMA (Music Education), Louisiana State University Shreveport, 2011
- Monica G. Burke PhD (Education, Educational Administration and Supervision), University of Southern Mississippi, 1997
- Stuart C. Burris PhD (Chemistry), North Carolina State University, 1998
- Paula W. Burt PhD (Business Administration), University of Kentucky, 1997
- Mark E. Cambron PhD (Electrical Engineering), Vanderbilt University, 2001
- Warren Campbell PhD (Civil Engineering), Colorado State University, 1984
- Amy C. Cappiccie PhD (Social Work), University of Louisville, 2006
- Michael T. Carini PhD (Astrophysics), Georgia State University, 1990
- Yining Chen PhD (Business Administration), University of South Carolina - Columbia, 1993
- Indudeep S. Chhachhi DBA (Business Administration), Southern Illinois University Carbondale, 1990
- Miwon Choe PhD (Curriculum and Instruction), Indiana University-Bloomington, 2001
- Mark D. Ciampa PhD (Tech Mgt (Digital Comm Systems)), Indiana State University, 2008
- John M. Cipolla DMA (Music, Music Performance), University North Carolina Greensboro, 2002
- Ismail Civelek PhD (Operations Management and Manufacturing), Carnegie Mellon University, 2010
- Amanda G. Clark MFA (Dance), University of Oklahoma Norman, 2005
- Craig T. Cobane PhD (Political Science), University of Cincinnati Main Campus, 2003
- LeAnne Coder PhD (Business), University of Kansas Main Campus, 2007
- Eric D. Conte PhD (Chemistry), University of Massachusetts, 1993
- Darwin B. Dahl PhD (Chemistry), University of Missouri - Kansas City, 1987
- Martha M. Day EdD (Administration & Supervision), Tennessee State University, 1998
- Ronald R. DeMarse MFA (Film Production), University of Miami, 2002
- Pitt Derryberry PhD (Educational Psychology), The University of Alabama, 2001
- Patricia L. Desrosiers PhD (Social Work), University of Louisville, 2009
- Susann E. deVries MLIS (Library & Information Services), Wayne State University, 2004
- Carl W. Dick PhD (Zoology), Texas Tech University, 2005
- Vladimir Dobrokhotov PhD (Physics), University of Idaho, 2006
- Anthony M. Doggett PhD (Education and Human Resource Studies), Colorado State University, 2003
- Holli R. Drummond PhD (Sociology), University of Georgia, 2004
- Lisa C. Duffin PhD (Educational Studies, Educational Psychology), Purdue University Main Campus, 2009
- Joshua D. Durkee PhD (Geography), University of Georgia, 2002
- A. G. Emslie PhD (Astronomy), University of Glasgow, 1979
- Nikolai Endres PhD (Comparative Literature), University of North Carolina Chapel Hill, 2000
- Xingang Fan PhD (Atmospheric Sciences, Synoptic Dynamics), Lanzhou University, 1996
- Jane L. Fife PhD (English Rhetoric and Composition), University of Louisville, 1992
- Paul A. Fischer PhD (East Asian Languages and Civilizations), University of Chicago, 2007
- Robert U. Fischer PhD, University of South Carolina - Columbia, 1994
- Lukas Forbes PhD (Business Administration), University of Kentucky, 2004
- Wesley J. Gabbard PhD (Social Work), The University of Alabama, 2004
- MD R. Gani PhD (Geosciences), University of Texas at Dallas, 2005
- Dennis K. George PhD (Environment Sci & Engr), University of North Carolina Chapel Hill, 1994
- Becky A. Gilfillen PhD (Plant and Soil Science), University of Tennessee, Knoxville, 1999
- Frederick G. Grieve PhD (Psychology, Clinical Psychology), University of Memphis, 1996
- Margaret M. Gripshover PhD (Geography), University of Tennessee, Knoxville, 1995
- Christopher G. Groves PhD (Environmental Science), University of Virginia, 1993
- Scott A. Grubbs PhD (Biological Sciences, Ecology and Evolution), University of Pitts Pittsburgh Camp, 1997
- Robert Hale PhD (English), Louisiana State University & A&M College, 1996
- Elizabeth D. Hall PhD (English), Middle Tennessee State University, 2014
- Anthony A. Harkins PhD (History), University of Wisconsin-Madison, 1999
- Douglas L. Harper PhD (Physics), Vanderbilt University, 1991
- Scott H. Harris DMA (Music), University of Oklahoma Norman, 2003
- Robert D. Hatfield PhD (Business), Indiana University-Bloomington, 1996
- Darbi J. Haynes-Lawrence PhD (Special Education), Indiana University-Bloomington, 1998
- Paul L. Hondorp DMA (Music Conducting), Michigan State University, 2003
- Gary W. Houchens PhD (Educational Leadership & Organizational Development), University of Louisville, 2008
- Sandra S. Hughes PhD (English), University of Georgia, 2003
- Aaron W. Hughey EdD (Educational Administration), Northern Illinois University, 1988
- Thomas C. Hunley PhD (Creative Writing), Florida State University, 2003
- Stephen H. Huskey PhD (Biological Sciences), Florida Institute Technology, 2003
- Jeanine M. Huss PhD (Environmental Science), Oklahoma State University Main Campus, 2007
- Kumi Ishii PhD (Communication Studies), Kent State University Kent Campus, 2004
- Angela M. Jerome PhD (Communication Studies), University of Kansas Main Campus, 2002
- Jarrett R. Johnson PhD (Biology), University of Missouri-Columbia, 2005
- Pamela M. Jukes EdD (Instruction and Administration), University of Kentucky, 1997
- Jeffrey P. Kash PhD (Political Science), University of Iowa, 2002
- Danita M. Kelley PhD (Nutritional Science), University of Kentucky, 1994
- Elizabeth H. Kelly DMA (Voice), University of Cincinnati Main Campus, 2008
- James H. Kenney MS (Photography), Syracuse University Main Campus, 1995
- Molly B. Kerby PhD (Educational Leadership & Organizational Development), University of Louisville, 2007
- Mikhail Khenner PhD (Physico-Mathematical Sciences), Perm State University-Russia, 1999
- Hanna A. Khouryieh PhD (Food Science), Kansas State University, 2006
- Hak Y. Kim PhD (Economics), University of Cincinnati Main Campus, 1982
- Larry S. Kinder MAT (Master Arts in Teaching), Marshall University, 1997
- Rodney A. King PhD (Microbiology and Immunology), Virginia Commonwealth University, 1993
- Ranjit Koodali PhD (Chemistry), Indian Inst of Tech-Madras, 1995
- Alison L. Langdon PhD (English), University of Oregon, 2004
- Dominic A. Lanphier PhD (Mathematics), University of Minnesota-Twin Cities, 2000
- Grace K. Lartey PhD (Health Education), University of Toledo, 2006
- Scott J. Lasley PhD (Political Science), University of Iowa, 2000
- Alexander G. Lebedinsky PhD (Economics), Georgetown University, 2004
- Henry J. Lenoir MS (Mechanical Engineering), University of Tennessee, Knoxville, 1988

- William D. LeNoir PhD (Auburn University), 1992
- Qi Li PhD (Computer Science), University of Delaware, 2006
- Yung L. Lo PhD (Finance), Florida State University, 2007
- Kelly L. Madole PhD (Psychology), University of Texas at Austin, 1992
- Maria E. Main DNP (Nursing Practice), University of Kentucky, 2010
- Hope L. Marchionda PhD (Curriculum and Instruction), Clemson University, 2006
- Craig A. Martin PhD (Business Administration, Marketing), University of Memphis, 1999
- Cynthia P. Mason EdD (Instruction and Administration), University of Kentucky, 1996
- Michael T. May PhD (Geological Sciences), Indiana University-Bloomington, 1992
- Douglas McElroy PhD (Zoology), University of Maine - Orono, 1992
- Charles H. McGruder PhD, University of Heidelberg, 1974
- Gordon D. McKerral MS (Journalism), University of Illinois at Urbana-Champaign, 1980
- Albert J. Meier PhD (Zoology), University of Georgia, 1995
- Kathryn J. Melancon PhD (Business Administration, Marketing), University of Mississippi, 2007
- Andrew S. Mienaltowski PhD (Psychology), Georgia Institute of Tech, 2008
- Patricia H. Minter PhD (History), University of Virginia, 1994
- Jennifer Mize Smith PhD (Communication), Purdue University Main Campus, 2006
- William N. Mkanta PhD (Health Services Research), University of Florida, 2005
- Isabel Mukonyora PhD, University of Oxford, 1999
- Corinne M. Murphy PhD (Physical Activity and Education Services), The Ohio State University Main Campus, 2006
- John M. Musalia PhD (Sociology), Indiana University-Bloomington, 2000
- Carl L. Myers PhD (Psychology), Iowa State University, 1995
- Matthew J. Nee PhD (Chemistry), University of California-Berkeley, 2005
- Thanh L. Nguyen PhD (Mathematics), Ohio University Main Campus, 2002
- Michael A. Nichols MFA (Fine Arts, Painting), Fontbonne College, 2000
- James F. Norman PhD (Psychology), Vanderbilt University, 1990
- Anne B. Onyekwuluje PhD (Sociology), University of Nebraska-Lincoln, 1995
- Larry W. Owens EdD (Leadership Education), Spalding University, 2007
- Shane M. Palmquist PhD (Civil and Environmental Engineering), Tufts University, 2003
- Holly J. Payne PhD (Communication), University of Kentucky, 2003
- Whitney O. Peake PhD (Agricultural Economics), Purdue University Main Campus, 2008
- Inmaculada Pertusa PhD (Spanish), University of Colorado at Boulder, 1996
- Lester L. Pesterfield PhD (Chemistry), University of Tennessee, Knoxville, 1991
- Yvonne Petkus MFA (Art, Painting), University of Washington, 1996
- Thomas K. Philips PhD (Entomology), The Ohio State University Main Campus, 1997
- Raymond A. Poff PhD (Leisure Behavior), Indiana University-Bloomington, 2001
- Jason Polk PhD (Geography and Environmental Science and Policy), University of South Florida, 2009
- Elena S. Pollatsek MFA (Theatre Design), New York University, 1998
- Alexander B. Poole PhD (English), Oklahoma State University Main Campus, 2003
- Robert W. Pope DMA (Music Performance), University of South Carolina - Columbia, 1992
- Merrall Price PhD (English), University of Rochester, 1998
- Matthew V. Pruitt PhD (Sociology), North Carolina State University, 1995
- Ronald D. Ramsing PhD (Parks, Recreation, and Tourism), University of Utah, 2005
- Kelly L. Reames PhD (English), University of North Carolina Chapel Hill, 2002
- Eric S. Reed PhD (History), Syracuse University Main Campus, 2001
- Timothy S. Rich PhD (Political Science, East Asian Languages), Indiana University-Bloomington, 2012
- Nancy C. Richey MA (History), Western Kentucky University, 2003
- Thomas A. Richmond PhD (Mathematics), Washington State University, 1986
- Julia L. Roberts EdD, Oklahoma State University Main Campus, 1970
- Mark P. Robinson PhD (Mathematics), University of Kentucky, 1991
- Juan L. Romero PhD (History), University of Texas at Austin, 2008
- Jill Duba Sauerheber PhD (Counseling & Human Development Services), Kent State University Kent Campus, 2004
- Gary T. Schallert DA (Music, Conducting), University of Northern Colorado, 2001
- Kevin S. Schmaltz PhD (Mechanical Engineering), Carnegie Mellon University, 1997
- Bruce A. Schulte PhD (Environmental and Forest Biology), SUNY Col Envrmntl Sci-Forestry, 1993
- Michael J. Seidler PhD (Philosophy), Saint Louis University, 1981
- Matthew C. Shake PhD (Educational Psychology), University of Illinois at Urbana-Champaign, 2009
- Cliff P. Shaluta MA (Speech), Marshall University, 1983
- Christopher L. Shook PhD (Business Admin-Management), Louisiana State University & A&M College, 1997
- Douglas C. Smith PhD (Sociology), PA State University Main Campus, 1996
- Michael E. Smith PhD (Marine Science), University of Texas at Austin, 2001
- Michael S. Spiller PhD (Human Resources Management), The University of Alabama, 1999
- Ajay Srivastava PhD (Molecular Biology and Genetics), University of Alberta, 2003
- Melissa A. Stewart PhD (Hispanic & Italian Studies), Johns Hopkins University, 1992
- Rebecca R. Stobaugh PhD (Educational Administration), University of Louisville, 2003
- Michael K. Stokes PhD (Biology, Systematics and Ecology), University of Kansas Main Campus, 1994
- Lizbeth P. Sturgeon PhD (Nursing), University of Kentucky, 2012
- Dana J. Sullivan PhD (Social Work), University of Louisville, 2003
- Joon G. Sung MFA (Computer Graphics), Syracuse University Main Campus, 2001
- Janet L. Tassell PhD (Curriculum & Instruction), Indiana University-Bloomington, 2002
- Ritchie D. Taylor PhD (Environmental Science), University of North Texas, 2002
- Blair C. Thompson PhD (Communication Studies, Educational Psychology), University of Nebraska-Lincoln, 2007
- Evelyn H. Thrasher PhD (Management), Auburn University, 2006
- Patricia R. Todd DBA (Business Administration), Cleveland State University, 2006
- Matthew L. Tullis MFA (Visual Design), Temple University, 1991
- Joel F. Turner PhD (Political Science), Florida State University, 2007
- Shannon K. Vaughan PhD (Political Science), University of Kentucky, 2004
- Huanjing Wang PhD (Computer Science), The University of Alabama, 2005
- Cathleen J. Webb PhD (Chemistry), University of Washington, 1989
- Kevin M. Williams PhD (Chemistry), Emory University, 2000
- William T. Willian PhD (Plant & Soil Science), University of Tennessee, Knoxville, 1995

Dennis P. Wilson PhD (Economics), University of Kentucky, 1999
 Stacy Wilson PhD (Engineering, Electrical Engineering), Tennessee Technological University, 1996
 Travis K. Wilson MARCH (Architecture), University of Oklahoma Norman, 1998
 Steven R. Wininger PhD (Educational Psychology, Sports Psychology), Florida State University, 1998
 Paul B. Woosley PhD (Crop Science), University of Kentucky, 2002
 Dawn G. Wright PhD (Nursing Science), Vanderbilt University, 2008
 Zhonghang Xia PhD (Computer Science), University of Texas at Dallas, 2004
 Guangming Xing PhD (Computer Science), University of Georgia, 2001
 Bangbo Yan PhD (Chemistry), Nanyang University, 2003
 Jun Yan PhD (Geography), SUNY College at Buffalo, 2004
 Rui Zhang PhD (Chemistry), University of Hong Kong, 2001
 Qin Zhao PhD (Educational Psychology), University of Florida, 2008
 David M. Zimmer PhD (Economics), Indiana University-Bloomington, 2004

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Shahnaz Aly MARCH (Architecture), Texas A & M University, 1999
 Audrey L. Anton PhD, The Ohio State University Main Campus, 2011
 Sandra C. Ardrey PhD (Political Science), The Ohio State University Main Campus, 1983
 Sophia R. Arjana PhD (Religious/Theological Studies), University of Denver, 2011
 Scott W. Arnett PhD (Exercise Science), University of Georgia, 2007
 Noah T. Ashley PhD (Zoology), University of Washington, 2004
 Dora Babb PhD (Human Environmental Sciences, Human Development and Family Science), Oklahoma State University Main Campus, 2010
 Julie L. Barber DA (Music), Ball State University, 2014
 James W. Barker PhD (Religion), Vanderbilt University, 2011
 Leslie L. Baylis PhD (Experimental Psychology), University of Oxford, 1990
 Jason M. Bergner PhD (Business Administration), University of Kentucky, 2011
 Stacy R. Bibelhauser PhD (Business Administration), University of Kentucky, 2004
 Lauren E. Bland PhD (Communication Disorders), University of Cincinnati Main Campus, 1995
 Maire M. Blankenship DNP (Nursing), Western Kentucky University, 2014
 Laura M. Bohuski MLS (Library Science), Indiana University-Bloomington, 2010
 Scott W. Bonham PhD (Physics), University of Illinois at Urbana-Champaign, 1997
 Charles T. Borders MA (History), Western Kentucky University, 1989
 Tonya M. Bragg-Underwood DNP (Nursing Practice, MSN to DNP), Western Kentucky University, 2014
 Kristi R. Branham PhD (English), University of Kentucky, 2006
 Barbara R. Brindle PhD (Education, Speech Pathology and Audiology), University of Virginia, 1994
 Janice D. Brockman MS (Mathematics), Western Kentucky University, 2003
 Dorothea Browder PhD (History, Distributed), University of Wisconsin-Madison, 2008
 Jeffrey L. Budziak PhD (Political Science), The Ohio State University Main Campus, 2011
 Ingrid A. Cartwright PhD (Art History), University of Maryland College Park, 2007
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 Thaddeus R. Crews PhD (Computer Science), Vanderbilt University, 1995

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 Fred J. DeGraves PhD (Veterinary Medical Sciences, Animal Science), North Carolina State University, 1991
 Laura M. DeLancey MLS (Library Science), Indiana University-Bloomington, 2010
 Marguerita K. Desander PhD (Ed Policy/Plan/Ldsp), College of William and Mary, 2005
 Robert L. Dietle PhD (History), Yale University, 1991
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 Selena S. Doss PhD (History), Vanderbilt University, 2010
 Amanda Drost MLIS (Library and Information Science), Wayne State University, 2008
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 Kimberlee K. Everson PhD (Educ Inquiry, Measurement, & Evaluation), Brigham Young University, 2012
 Ann K. Ferrell PhD (English), The Ohio State University Main Campus, 2009
 Nicholas J. Fessler PhD (Business), Indiana University-Bloomington, 1999
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 Simon P. Funge PhD (Social Welfare), University of California-Los Angeles, 2013
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 Steven J. Gibson PhD (Astronomy, Physics), University of Wisconsin-Madison, 1997
 Gregory B. Goodrich PhD (Geography), Arizona State University-ALL, 2005
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 Jean D. Gumirakiza PhD (Economics), Utah State University, 2013
 Lance W. Hahn PhD (Psychology), University of Texas at Austin, 1994
 Whitney R. Harper PhD (Human Devl and Family Studies), Michigan State University, 2015
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- Cheryl R. Hopson PhD (English), University of Kentucky, 2008
- Kate G. Horigan PhD (English, Interdisciplinary Specialization in Folklore), The Ohio State University Main Campus, 2013
- Jean-Luc Houle PhD (Anthropology, Archeology), University of Pitts Pittsburgh Camp, 2010
- Sonya L. House EdD (Education Leadership), Western Kentucky University, 2013
- Kathryn A. Hudepohl PhD (Anthropology), Tulane University, 2002
- Nancy F. Hulan PhD (Curriculum and Instruction), University of Louisville, 2010
- Patricia A. Jagers MFA (Writing), Spalding University, 2008
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- Angela L. Jones PhD (English), University of Kansas Main Campus, 2001
- Guy D. Jordan PhD (Art History), University of Maryland College Park, 2007
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- Soleiman Kiasatpour PhD (Political Science), University of California-Riverside, 1998
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- Stephen A. King PhD (Agricultural Economics), Oklahoma State University Main Campus, 2004
- Thomas W. Kingery PhD (Agricultural Leadership, Education, & Communications), Texas A & M University, 2010
- Gillian B. Knoll PhD, University of Maryland College Park, 2012
- Eric Kondratieff PhD (Ancient History), University of Pennsylvania, 2003
- Jie-Young Kong PhD (Communication), Arizona State University-ALL, 2012
- Amy C. Krull PhD (Sociology & Anthropology), Purdue University Main Campus, 2000
- Minwoo Lee PhD (Business Administration), University of Pitts Pittsburgh Camp, 1993
- Stacy R. Leggett EdD (Educational Administration), George Washington University, 2015
- Juan S. Leguizamon PhD (Economics), West Virginia University, 2011
- Susane Leguizamon PhD (Economics), West Virginia University, 2010
- Sonia E. Lenk PhD (Hispanic Language and Literature), University of Pitts Pittsburgh Camp, 2007
- Feng Helen Liang PhD (Business Administration), University of California-Berkeley, 2006
- Diane M. Lickenbrock PhD (Psychology), University of Notre Dame, 2010
- Philip W. Lienesch PhD (Zoology), University of Oklahoma Norman, 1997
- Ching-Yi Lin DM (Violin), Indiana University-Bloomington, 2010
- Kimberly A. Link DNP, Western Kentucky University, 2016
- Stephen L. Locke PhD (Economics), University of Kentucky, 2013
- Zachary A. Lopes DMA (Piano), University of Cincinnati Main Campus, 2013
- Donielle M. Lovell PhD (Rural Sociology), University of Missouri-Columbia, 2009
- Gretchen M. Macy EdD (Kinesiology and Health Promotion), University of Kentucky, 2012
- Jeremy B. Maddox PhD (Chemistry), University of Houston, 2003
- Gayle M. Mallinger PhD (Social Work), University of Pitts Pittsburgh Camp, 2010
- Erin E. Margarella PhD (Curriculum and Instruction), University of South Florida, 2016
- David M. Marquez MFA (Art), University of Iowa, 2003
- Sean R. Marston PhD (Business Administration, Information Systems and Operation), University of Florida, 2010
- Karen G. Mason PhD (Nutritional Science), University of Kentucky, 2002
- Lauren N. McClain PhD (Sociology), Bowling Green State University, 2009
- Meghen L. McKinley MFA (Dance), University of Hawaii at Manoa, 2012
- Jeffrey D. Miner PhD (History), Stanford University, 2011
- Julia A. Mittelberg PhD (Curriculum and Instruction), Kansas State University, 2014
- Samangi Munasinghe PhD (Mathematics), Texas A & M University, 2006
- April L. Murphy PhD (Social Work), University of Louisville, 2012
- Kurt R. Neelly PhD (Education), University of Kansas Medical Center, 2002
- Travis A. Newton MFA (Motion Picture, TV, & Record Arts), Florida State University, 2008
- Ngoc B. Nguyen PhD (Mathematics), Bowling Green State University, 2010
- Christina R. Noel PhD (Special Education), Vanderbilt University, 2013
- Elizabeth S. Norris PhD (Health Sciences), Seton Hall University, 2003
- Leslie A. North PhD (Geography and Environmental Science and Policy), University of South Florida, 2011
- Ivan S. Novikov PhD (Mathematics, Physics), St. Petersburg State U-Russia, 2000
- Morteza Nurcheshmeh PhD (Mechanical Engineering), University of Windsor, 2011
- Alexander I. Olson PhD (American Studies), University of Michigan-Ann Arbor, 2013
- Evelyn M. Oregon PhD (Kinesiology), Michigan State University, 2013
- Fatemeh Orooji PhD (Engineering Science, Construction Management), Louisiana State University & A&M College, 2015
- Peggy D. Otto PhD (English Rhetoric & Composition), University of Louisville, 2009
- Ahmet O. Ozer PhD (Applied Mathematics), Iowa State University, 2011
- Andrea Paganelli PhD (Instructional Leadership), The University of Alabama, 2010
- Anthony R. Paquin PhD (Psychology), Texas A & M University, 1997
- Kenneth D. Payne MA (Journalism), Marshall University, 1992
- Heather M. Payne-Emerson PhD (Nutritional Science), University of Kentucky, 2010
- Ke Peng PhD (East Asian Studies, East Asian Studies), University of Arizona, 2011
- Bradley L. Pennington MFA (Cinematic Arts), University of Southern California, 2014
- Bradley J. Pfranger MLAS (Liberal Arts & Science), Vanderbilt University, 2011
- Attila Por PhD (Mathematics), Eotvos Lorand University-Hungary, 2003
- Bryan Reaka PhD (Education (Workforce Education)), Southern Illinois University Carbondale, 2002
- Jenni L. Redifer PhD (Educational Psychology), University of Florida, 2012
- Michelle C. Reece PhD (Public Health), East Tennessee State University, 2014
- Mark A. Revels PhD (Technology Management, Industrial Training & Development), Indiana State University, 2007
- Jeffrey A. Rice PhD (English), University of Florida, 2010
- Lawrence D. Rigby PhD (English), University of Missouri-Columbia, 2000
- Andrew J. Rosa PhD (Afro-American Studies), University of Massachusetts, 2005
- Mark T. Ross PhD (Business Administration, Finance), University of Arizona, 1996

Marilee D. Salvator MFA (Art Studio), University of New Mexico Main Campus, 2004
 Mark A. Schafer PhD (Health and Physical Activity, Exercise Physio Clin Res Trac), University of Pitts Pittsburgh Camp, 2007
 Richard C. Schugart PhD (Applied Mathematics), North Carolina State University, 2005
 Joseph J. Shankweiler MA (English), James Madison University, 2012
 William M. Simpson MA (Art), Marshall University, 1982
 Carnetta C. Skipworth MS (Chemistry), Western Kentucky University, 2003
 Kandy C. Smith PhD (Education, Teacher Education), University of Tennessee, Knoxville, 2014
 Qingfang Song PhD (Developmental Psychology), Cornell University, 2016
 Christy L. Spurlock EdD, Western Kentucky University, 2017
 Brian A. St John DMA (Conducting), Arizona State University-ALL, 2010
 Sandra L. Staebell MA (Museum Science), Texas Tech University, 1983
 Tammie L. Stenger-Ramsey EdD (Applied Educational Studies), Oklahoma State University Main Campus, 2001
 Trini G. Stickle PhD (English), University of Wisconsin-Madison, 2015
 Thomas B. Stinnett PhD (Educational Leadership and Organizational Development), University of Louisville, 2013
 Martin J. Stone PhD (Agronomy), Texas A & M University, 1994
 Heather M. Strode MA (Communications), Western Kentucky University, 1998
 Francesca D. Sunkin MA (Spanish), Bowling Green State University, 1999
 Antonia M. Szymanski PhD (Psychological and Quantitative Foundations), University of Iowa, 2011
 Rachel A. Tinius PhD (Movement Science), Washington University, 2015
 Carrie Trojan PhD (Criminal Justice), City University of New York, 2009
 Paula A. Upright PhD (Educational Leadership & Organizational Development), University of Louisville, 2009
 Tamara Van Dyken PhD (History), University of Notre Dame, 2009
 Carol L. Watwood MLS (Library Science), University of Michigan-Ann Arbor, 1978
 Brian K. Weiler PhD (Hearing and Speech Sciences), Vanderbilt University, 2016
 Adam R. West PhD (Human Development and Family Science), University of Texas at Austin, 2013
 Aaron L. Wichman PhD (Psychology), The Ohio State University Main Campus, 2005
 Rong Yang PhD (Computer Science and Engineering), University of Louisville, 2007
 David A. Young PhD (Theatre), Wayne State University, 2000
 Sonia N. Young EdD (Educational Leadership), University of the Cumberland, 2013
 Lily P. Zhuhadar PhD (Computer Science and Engineering), University of Louisville, 2009

Assistant Professor

Lester A. Archer PhD (Educ Leadership/Research), Louisiana State University & A&M College, 2017
 Melissa A. Baker PhD (Psychology), University of Mississippi, 2019
 Simran Banga PhD (Biological Sciences), Purdue University Main Campus, 2009
 Golnaz Baradaran Motie PhD (Business & Economics), West Virginia University, 2018
 David L. Bell DPT (Physical Therapy), University of Kentucky, 2012
 Tanja N. Bibbs PhD, University of Kentucky, 2019
 Christopher J. Biolsi PhD (Economics), University of Houston, 2015
 Daniel A. Boamah PhD (Social Work), University of Louisville, 2020
 Sarah E. Bonis PhD (School Psychology), University of Houston, 2017
 Nicholas L. Brake PhD (Educational Administration), University of Louisville, 2003

Kristen L. Brewer PhD (Education (Health Education)), Southern Illinois University Carbondale, 2021
 Shea M. Brgoch PhD (Kinesiology), The Ohio State University Main Campus, 2021
 Jill R. Brown MS (Geoscience), Western Kentucky University, 2002
 Katherine E. Brown PhD (History), University of Virginia, 2015
 Katrina A. Burch PhD (Industrial/Organizational Psychology), University of Connecticut, 2018
 Jenny M. Burton PhD (Communication Disorders and Sciences), University of Cincinnati Main Campus, 2019
 Jacob P. Byl PhD (Law and Economics), Vanderbilt University, 2015
 Ellen G. Casale PhD (Special Education), Vanderbilt University, 2021
 Xiaowen Chen PhD (Industrial/Organizational Psychology), Florida Institute Technology, 2020
 Daniel L. Clark PhD (Mathematics Education), Michigan State University, 2016
 Scott H. Clarke PhD (Communication Arts & Sciences- Mass Media), Michigan State University, 2006
 Matthew P. Condo DPT (Physical Therapy), University of St Augustine Hlth Sci, 2015
 Hannah M. Coyt PhD (Counselor Education- Supervisor), Lindsey Wilson College, 2020
 William A. Czekanski PhD (Physical Activity and Education Services), The Ohio State University Main Campus, 2012
 Ryan Dearbone MA (Communication), Western Kentucky University, 2014
 Benjamin J. Dinan PhD, The Ohio State University Main Campus, 2012
 Nancy W. Dinan PhD (English), Texas Tech University, 2020
 Susan S. Eagle PhD (Anthropology), Tulane University, 2005
 Gihan S. Edirisinghe PhD (Business Administration), Washington State University, 2019
 Landon D. Elkind PhD (Philosophy), University of Iowa, 2018
 Brian D. Elliott MA (Communication), Western Kentucky University, 2014
 Ann E. Embry PhD (Hospitality Management), Iowa State University, 2017
 John A. Erickson PhD (Data Science), Worcester Polytech Institute, 2021
 Yuan Fang PhD (Design), North Carolina State University, 2017
 Sally K. Fluhler MAE (Gifted & Creative Education), University of Georgia, 2018
 Jessica L. Folk MFA (Screenwriting), Chapman University, 2014
 Stacey A. Forsythe EdD (Educational Leadership), Western Kentucky University, 2015
 Nicholas C. Fortune PhD (Mathematics Education), North Carolina State University, 2018
 Ashley C. Fox PhD (Educational Leadership and Organizational Development), University of Louisville, 2010
 Michael P. Frohling MFA (Theatre), Southern Illinois University Carbondale, 2010
 Jeffrey M. Galloway PhD (Computer Science), The University of Alabama, 2013
 Mary J. Gardner DBA (Marketing), Kennesaw State University, 2017
 Kara E. Glenn MFA (Fine Arts), Full Sail Real World Education, 2019
 Austin G. Griffiths PhD (Social Work), University of Kentucky, 2017
 Thomas J. Gross PhD (Educational Psychology), Oklahoma State University Main Campus, 2013
 Phillip A. Gunter PhD (Animal Sciences), Auburn University, 2018
 Bashar F. Haddad PhD (Tech Mgt (Construction Mgt)), Indiana State University, 2007
 Kirolos M. Haleem Mesiha PhD (Civil Engineering), University of Central Florida, 2009
 Jonathan F. Handy PhD (Finance), The University of Alabama, 2014
 Courtney A. Hatcher PhD (Rehabilitation Sciences), University of Kentucky, 2017

- Sarah Herbert DMA (Musical Arts), University of Cincinnati Main Campus, 2017
- Matthew J. Herman DMA (Music Composition), Temple University, 2003
- Lawrence J. Hill PhD (Chemistry), University of Arizona, 2014
- Joseph M. Hoffswell PhD (Communication), University of Missouri-Columbia, 2017
- Katherine E. Howell MS (Library and Information Science), University of Illinois at Urbana-Champaign, 2021
- Sungjin Im PhD (Clinical Psychology), University of Nevada, Reno, 2018
- Erin A. Jant PhD (Developmental Psychology), Loyola University New Orleans, 2011
- Andrea K. Jenkins PhD (Counseling), Old Dominion University, 2015
- Kerron T. Joseph PhD (Finance), University of Texas at San Antonio, 2022
- Hilary R. Katz PhD (Integrative Biology), University of Chicago, 2018
- Charles O. Kile PhD (Business Administration), Washington University, 1993
- Yeongsu Kim PhD (Strategic Management), University of Massachusetts, 2020
- Alysia F. Klein MFA (Film and Media Arts), University of Utah, 2017
- Eric G. Knackmuhs PhD (Leisure Behavior), Indiana University-Bloomington, 2017
- Lei Li PhD (Chemistry), University of Florida, 2018
- Daniel J. Little PhD (Rhetoric), Purdue University Main Campus, 2018
- Jeremy R. Logsdon EdD (Educational Leadership, Postsecondary Leadership), Western Kentucky University, 2016
- Kyle D. Maksuta PhD (Sociology), SUNY at Albany, 2021
- Osama E. Mansour PhD (Environmental Design), The University of Calgary, 2015
- Joseph R. Marquardt PhD (Molecular Genetics), The Ohio State University Main Campus, 2017
- Brittany T. Martin PhD (Sociology), University of Georgia, 2021
- Mark M. McAndrews PhD (Applied Linguistics), Northern Arizona University, 2020
- Allie E. McCreary PhD (Parks, Recreation, and Tourism), North Carolina State University, 2017
- Leanna Miller DNP (Nursing Practice), Western Kentucky University, 2016
- Mohsen Mollagholamali PhD (Business Administration, Finance), Oklahoma State University Main Campus, 2016
- Yaser A. Mowafi PhD (Information Systems), University of Maryland Baltimore Co, 2009
- Brian S. Myers PhD (PHYS ED: SPECIAL PHYS EDUCATION), Eastern Michigan University, 2019
- Kate A. Nicewicz PhD (Business Administration), Kennesaw State University, 2022
- Soyoung Park PhD (Special Education), University of Texas at Austin, 2020
- Anna L. Patsfall MFA (Dance), Florida State University, 2017
- Luiz H. Pereira Silva PhD (Animal Science), Foreign College/University, 2018
- Michelle R. Persich PhD (Psychology), North Dakota State University Main Campus, 2020
- Christopher S. Peters PhD (Psychology), University of Arkansas Main Campus, 2013
- Asghar Rezasoltani PhD (Mechanical Engineering), Louisiana State University & A&M College, 2016
- Stephanie M. Riehn EdD (Educational Leadership), Western Kentucky University, 2018
- Louis C. Rouanet PhD (Economics), George Mason University, 2021
- Pinky Rusli PhD (Business Administration), University of Kentucky, 2017
- Edrisa Sanyang PhD (Occupational & Environmental Health (Industrial Hygiene)), University of Iowa, 2016
- Todd J. Seguin MS (Library Science), University of Kentucky, 2019
- Fatemeh Soltani PhD (Health Leisure & Human Perf), Oklahoma State University Main Campus, 2015
- Whitley J. Stone PhD (Health Sciences), Middle Tennessee State University, 2017
- William D. Strunk PhD, University of Arkansas Main Campus, 2015
- Zachary J. Suriano PhD (Climatology), University of Delaware, 2018
- Leslee K. Tarbett EdD (Instr and Curr Leadership), University of Memphis, 2020
- Jenni B. Teeters PhD (Psychology), University of Memphis, 2017
- Jasminka Terzic PhD (Physics), University of Kentucky, 2016
- Sara R. Thomason MFA (Motion Picture Arts), Florida State University, 2016
- Jessica R. Thomsen PhD (English), Florida State University, 2021
- Timothy S. Thornberry PhD (Clinical Psychology), Auburn University, 2013
- Melissa A. Tolbert DPT (Physical Therapy), University of Evansville, 2012
- Danilo V. Toluoso PhD (Human Performance), The University of Alabama, 2019
- Jessica N. Torelli MED (Special Education), Vanderbilt University, 2015
- Truc T. Tran MA (Animation), Fairleigh Dickinson University, 2020
- Melissa K. Travelsted DNP (Nursing Practice), Western Kentucky University, 2014
- Kelsey L. Truxal JD (Law), University of Louisville, 2020
- Natalie C. Tyree MFA (Graphic Design), Indiana State University, 2013
- Pavel V. Vasiliev PhD (Sociology), University of Nevada-Las Vegas, 2013
- Alan R. White MFA (Theatre), LA State University System Office, 2021
- Lauren E. Whitham DMA (Music), University of Georgia, 2017
- Brooke B. Williams PhD (Neuroscience), Vanderbilt University, 2010
- Catherine M. Wilson PhD (Music), University of Iowa, 2013
- Kaylee Woodard PhD (Kinesiology), University of Tennessee, Knoxville, 2020
- Matthew J. Woodward PhD (Psychology), University of Memphis, 2017
- John C. Wright PhD (Special Education), Vanderbilt University, 2019
- Ruomeng Wu PhD (Business Administration), University of Cincinnati Main Campus, 2019
- Mariah D. Yates PhD (Business Administration), University of Cincinnati Main Campus, 2018
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Lori K. Fox MSN, Western Kentucky University, 2001

Leisa S. Hutchison MSED (Special Education, Speech and Communication Disorders), University of Kentucky, 1986

Neena W. Jones MSN (Nursing, Education), Walden University, 2008

Leigh Anne Roden EdD (Educational Leadership, P-12 Leadership), Western Kentucky University, 2011

Daniel J. Super EdD (Educational Leadership), Western Kentucky University, 2016

Pedagogical Professor

Jennifer A. Hanley PhD (History), University of Kentucky, 2009

Lora W. Moore DNP (Nursing Practice), Western Kentucky University, 2015

Julia F. Shadoan JD (Law), DePaul University, 1995

Pedagogical Associate Professor

Aquesha D. Daniels JD (Law), Florida Coastal School of Law, 2011

Carol W. Evans DNP (Nursing Practice), Western Kentucky University, 2015

Mary K. Green MSN (Nursing), Vanderbilt University, 2000

Kimberly W. Harris MSN (Nursing), Bellarmine University, 1994

Andrew J. Head MA (Applied Economics), Western Kentucky University, 2010

Quentin M. Hollis MA (Psychology), Western Kentucky University, 1995

Janice R. Hunt-Shepherd MHA (Health Administration), Western Kentucky University, 2005

Michelle A. Jackson MS (Mathematics, Math Education), Illinois State University, 1996

Michelle S. Jones MS (Mathematics), Western Kentucky University, 1998

Kerrie L. McDaniel PhD (Plant Biology), Southern Illinois University Carbondale, 1997

Megan K. Miller MA (English), Southern Illinois University Carbondale, 2002

Ronald A. Rhoades JD (Law), University of Florida, 1985

Mark A. Staynings MA (Economics), Western Kentucky University, 1993

Pedagogical Assistant Professor

Fabian Alvarez MA (English), California State University-Chico, 2006

Cortney S. Basham MAE (Student Affairs), Western Kentucky University, 2001

Elisa L. Berry MA (English), Western Kentucky University, 2016

Heather L. Glass MS (Accountancy), College of Charleston, 2010

Braden G. Grant MACC, Western Kentucky University, 2014

Elizabeth A. Groves DNP (Nursing Practice), Western Kentucky University, 2019

Anne L. Heintzman PhD (English Rhetoric and Composition), University of Louisville, 2010

Tracy L. Jenkins MSNED (Nursing), Aquinas College, 2014

Yuyun Lei PhD (East Asian Languages & Culture), University of Illinois Central Admin, 2021

Matthew J. McCurry DMA (Musical Arts), West Virginia University, 2019

Wren A. Mills PhD (Educational Leadership & Organizational Development), University of Louisville, 2010

Natalie J. Mountjoy PhD (Zoology), Southern Illinois University, 2014

Terry L. Obee EdD, United States Sports Academy, 2018

Will R. Perry EdD, Lipscomb University, 2017

Miranda D. Peterson DNP (Nursing Practice), Northern Kentucky University, 2016

Rheanna P. Plemons EdD (Educational Leadership, Organizational Leadership), Western Kentucky University, 2014

Sarah L. Scali PhD (Physical Education), Springfield College, 2016

Jessica L. Welsh DMA (Piano Pedagogy), Texas Christian University, 2021

Cassie M. Whitt PhD (Psychology), The University of Alabama, 2022

Instructor I

Ismail Abumuhfouz MBA (Business Administration), Sullivan University, 2009

Jonathan D. Adams MA (Photography), Ohio University Main Campus, 2012

Emily J. Adkins MA (Organizational Communication), Western Kentucky University, 2021

Jon R. Akers MA (Secondary School Counseling), Eastern Kentucky University, 1998

Matthew T. Atkinson MSN (Nursing, Nurse Educator), Western Kentucky University, 2014

Jacqueline R. Basham MPH (Public Health, Environmental Health), Western Kentucky University, 2015

Kristin H. Bennett MBA (Business Administration), Western Kentucky University, 2013

Sarah G. Berry MM (Music), Rice University, 2003

Zhuqin T. Borders PhD (Foreign Philosophy), Renmin University-China, 2017

Tiffany I. Brown DMA (Music), Louisiana State University & A&M College, 2011

Adam P. Brownlee MBA (Business Administration), Western Kentucky University, 2014

Holly B. Bryant MAE (Counseling), Western Kentucky University, 2015

Hannah G. Cady MA (Organizational Leadership), Western Kentucky University, 2021

Michael C. Catlett MA (Communication), Western Kentucky University, 2009

Pamela A. Chandler MED (Education), Indiana Wesleyan University, 2008

Manohar Chidurala PhD (Engineering & Applied Science), University of New Orleans, 2015

William S. Cole MSN (Nursing, Nursing Educator), Western Kentucky University, 2010

Alexandria T. Colovos BSN (Nursing), Western Kentucky University, 2017

John E. Conley PhD (Comparative Studies in Discourse and Society), University of Minnesota-Twin Cities, 2008

Kelley K. Coppinger BFA (Advertising Art, French), University of North Texas, 1989

Melanie D. Eaton MBA, Western Kentucky University, 2003

Austin H. Elledge MFA (Theatre Arts), University of Nebraska-Lincoln, 2021

Shaina S. Feldman MFA (Motion Picture Arts), Florida State University, 2017

Leslie M. Fox MFA (Creative Writing), Western Kentucky University, 2018

Jacqueline R. Gibbons MAE (Adult Education), Western Kentucky University, 2011

Angela G. Gott MA (Graduate Education), Georgetown College, 2003

Twyla D. Harris PhD (Curriculum and Instruction), University of Louisville, 2015

Lynn M. Hazlett MSW, Western Kentucky University, 2010

Michael J. Healy PhD (English), Florida State University, 2021

Cecelia A. Hill MFA, West Virginia University, 2016

Lynn A. Hines EdD (Educational Leadership), Western Kentucky University, 2013

Monica G. Hines MSW (Social Work), Western Kentucky University, 2010

Philip L. Holsinger MMIN (Ministry), Harding University Main Campus, 2009

Nadia F. Houchens MHA, Western Kentucky University, 2017

Seth A. Howard MR, Fashion Inst of Technology, 2015

David K. Humphreys MM (Instrumental Performance), Oklahoma State University Main Campus, 2017
 Joseph A. Hurtgen PhD (English), Ball State University, 2016
 Brian M. Janes MS (Management of Technology), Murray State University, 2003
 Jae J. Kim MS (Health), Western Kentucky University, 1987
 Tracy Lane MED (General Education), Auburn University at Montgomery, 1994
 Na Li MR (Teaching Chinese to Speakers of other Languages), Liaoning University, 2012
 Kai Liang MA (East Asian Language and Literatures), The Ohio State University Main Campus, 2015
 Kathryn M. McClurkin PhD (Public History), Middle Tennessee State University, 2019
 Kay H. Meggers PhD (Physics, Business Administration, Physics), Foreign College/University, 1995
 Jon R. Meyers MFA (Creative Writing), Western Kentucky University, 2021
 Gina M. Miller MA (Organizational Leadership), Western Kentucky University, 2020
 Steven J. Momorella MA (Strategic Communication), University of Delaware, 2021
 Kevin J. Owens MA (Applied Economics), Western Kentucky University, 2020
 Anthony L. Paganelli MM (Music), The University of Alabama, 2008
 Angel N. Parker MPH (Public Health), Western Kentucky University, 2020
 Anne D. Patterson MAE, Western Kentucky University, 1977
 Julie F. Payne MST (Mathematics), Middle Tennessee State University, 2009
 Jeffrey W. Peake MBA (Business Administration), Murray State University, 2010
 Beverly J. Phelps MS (Nursing), Western Governors University, 2015
 Roberta D. Pope MS, University of Illinois at Chicago, 2012
 Catherine G. Poteet MAE (Secondary Education, Physics), Western Kentucky University, 2002
 James R. Prather PhD (Experimental Psychology), University of Louisville, 1997
 Rhonda B. Quenzer MSN (Nursing, Nursing Educator), Western Kentucky University, 2014
 Kathryn E. Reetzke MA (History), Western Kentucky University, 2011
 Kendra N. Rigney MS (Psychology), Western Kentucky University, 2022
 Melissa I. Rudloff MAE (Math-Science Education, Secondary Education), Western Kentucky University, 1994
 Shannon M. Sales EdD (Educational Leadership), Western Kentucky University, 2013
 Mary K. Samouce MFA (Theatre Design), New York University, 1995
 Heather J. Scarborough MS (Nursing), Western Kentucky University, 2013
 Cris E. Scudder MS (Agricultural Mechanization), University of Missouri-Columbia, 1989
 David A. Serafini MA (History), Western Kentucky University, 1997
 Deborah C. Shivel MA (Textiles and Clothing), University of Kentucky, 1987
 Gregory A. Siegelman MBA (Business Administration), Cornell University, 1981
 Paige A. Smith MS (Agriculture), Western Kentucky University, 2017
 Tamara L. Strom MSA (Administration), Central Michigan University, 2003
 Leah B. Thompson MA (Administrative Dynamics), Western Kentucky University, 2010
 Kelli R. Truelove MED, Lindsey Wilson College, 2011
 Matthew E. VanSchenkof PhD, Kansas State University, 2011
 David M. Vawter BA (Germanic Studies), Indiana University-Bloomington, 2019
 Erin T. Warfel MSW (Social Work), Bryn Mawr College, 2001

Kelly A. Watson MSN (Nursing), Western Kentucky University, 2016
 Julia G. Williams MS (Architecture), University of Nebraska-Lincoln, 2012
 Samantha F. Williams MA (English), Western Kentucky University, 2021
 Jason C. Wilson MS (Engineering), University of Wisconsin-Platteville, 2016
 Dawn M. Winters MA (English), Western Kentucky University, 2009

Instructor II

Robin L. Ayers MAE (Mathematics Education, Secondary Education), Western Kentucky University, 1990
 Erica C. Billingsley MS (Mathematics), Western Kentucky University, 2008
 Jason R. Boyles PhD (Physics), West Virginia University, 2011
 Patrick T. Brown MA (Mathematics), University of Colorado at Boulder, 2006
 Bruce A. Crawley MA (Communications), University of Kentucky, 1977
 Margaret E. Crowder EdD (Educational Leadership, Postsecondary Leadership), Western Kentucky University, 2012
 Christy DeHay MSN, University of Missouri - Kansas City, 2013
 Sarah J. Edwards PhD (Chemistry), PA State University Main Campus, 2010
 Charlotte A. Elder MA (Communication), Western Kentucky University, 1998
 Chandra C. Ellis-Griffith MSN (Nursing), University of Alabama at Birmingham, 2011
 Sheila S. Flener MA (Art (Creative)), University of Louisville, 2007
 Allison Gibson MSSW (Social Work), University of Louisville, 2005
 Debra Hays MA (English), Western Kentucky University, 1987
 Wendi J. Hulsey MDH (Dental Hygiene), University of Tennessee, Memphis, 2010
 Carol Jordan MA (Theatre Education), Emerson College, 1998
 Patricia N. Kambesis PhD (Earth and Atmospheric Sciences), Mississippi State University, 2014
 Michael W. Killen PhD (Microbiology), University of Kentucky, 2011
 Julie K. Lee MBA (Marketing), University of Cincinnati Main Campus, 2002
 Ting-Hui Lee PhD (Physics and Astronomy), University of Calgary-Canada, 2004
 James H. Lindsey MS (Information Sciences and Systems), Bowie State University, 2000
 Edmund R. Martelli MS (Technology Management), Western Kentucky University, 2010
 John E. Martin MM (Music), Austin Peay State University, 1995
 Sara B. McCaslin MA (History), Western Kentucky University, 2002
 Jessica M. McClanahan MA (Communication), Western Kentucky University, 2003
 Deanna L. Melloan MSN (Nursing), Western Kentucky University, 2005
 Amy T. Nemon MS (Geoscience), Western Kentucky University, 2007
 Debra L. Noffsinger MAE (Exceptional Education), Western Kentucky University, 2011
 Leslie F. Plumlee MS (Mathematics), Western Kentucky University, 2005
 Dianna L. Ransdell MAE (Adult Education), Western Kentucky University, 2014
 Erin L. Russell MAT, University of the Cumberland, 2017
 Donna K. Schiess EdD (Educational Leadership, Organizational Leadership), Western Kentucky University, 2011
 Jennifer S. Sheffield EDS, Western Kentucky University, 2018
 Vickie L. Shoumake MSN (Nursing, Nurse Educator), Western Kentucky University, 2011
 Janice C. Smith PhD (Rehabilitation Sciences), University of Kentucky, 2015
 Jean C. Snavelly PhD (Finance), University of Cincinnati Main Campus, 1997
 Sally H. Tooley MAE, Western Kentucky University, 2009

Marya L. Turley MA (English), Western Kentucky University, 2003

Yerty M. Vandermolen MA (Spanish), University of Northern Iowa, 2012

Leigh A. Wells MST (Mathematics), Middle Tennessee State University, 1997

Patricia L. Witcher MA (Communication), Western Kentucky University, 2002

David E. Wolfgang PhD (Biochemistry), Cornell University, 1998

Senior Instructor

Gary K. Hughes PhD (Communication), University of Kentucky, 2014

Nilesh C. Sharma PhD (Science/Botany), Birhar University-India, 1992

Visiting In-Residence

Sedrik R. Newbern MBA (Business Administration), Tennessee State University, 1999

Harold G. Strange MFA (Art), Arizona State University-ALL, 1993

Part-Time Faculty

Jessica M. Hussung MS, Western Kentucky University, 2022

Calendar

The University provides a year round instructional program consisting of fall and spring semesters and a summer term. WKU also offers a winter term, three 5-week sessions in spring, summer and fall terms, and bi-term courses during the fall and spring semesters. The academic year at WKU is divided into two semesters consisting of sixteen weeks, a thirteen-week summer term, and a three-week winter term. The opening and closing dates are listed below.

Fall Semester 2022

Classes Begin (Full Semester, 1st Bi-Term, 5-Week Session 1)	Monday, August 22
Labor Day (University closed)	Monday, September 5
5-Week Session 1 Ends	Friday, September 23
5-Week Session 2 Begins	Monday, September 26
1st Bi-Term Finals	Tuesday-Wednesday, October 11-12
Fall Break (University closed)	Thursday-Friday, October 13-14
2nd Bi-Term Begins	Monday, October 17
5-Week Session 2 Ends	Friday, October 28
5-Week Session 3 Begins	Monday, October 31
Thanksgiving Holiday (University closed)	Wednesday-Friday, November 23-25
5-Week Session 3 ends	Friday, December 2
Final Examinations (Full Semester Classes)	Monday-Thursday, December 5-8
Final Examinations (2nd Bi-Term Classes)	Wednesday-Thursday, December 7-8
College Recognition Ceremonies	Friday, December 9
Final Grades Due (noon)	Tuesday, December 13

Winter Term 2023

3-Week and 5-Week Classes Begin	Monday, December 12
Winter Break (University closed / Winter Session Classes in Session)	December 19-January 2
3-Week Classes End	Friday, December 30
2-Week Classes Begin	Tuesday, January 3
2-Week and 5-Week Classes End	Saturday, January 14
Martin Luther King, Jr. Day (University closed)	Monday, January 16
Final Grades Due (noon)	Tuesday, January 17

Spring Semester 2023

Classes Begin (Full Semester, 1st Bi-Term, 5-Week Session 1)	Tuesday, January 17
5-Week Session 1 Ends	Friday, February 17
5-Week Session 2 Begins	Monday, February 20
1st Bi-Term Finals	Monday-Tuesday, March 6-7
Spring Break	Monday-Friday, March 13-17 (University closed - Wednesday-Friday, March 15-17)
2nd Bi-Term Begins	Monday, March 20
5-Week Session 2 Ends	Friday, March 31
5-Week Session 3 Begins	Monday, April 3
Final Examinations (Full Semester Classes)	Monday-Thursday, May 1-4

Final Examinations (2nd Bi-Term)	Wednesday-Thursday, May 3-4
5-Week Session 3 Ends	Thursday, May 4
Commencement	Thursday, May 4
College Recognition Ceremonies	Friday, May 5
Final Grades Due (noon)	Tuesday, May 9

Summer Term 2023

May Sessions

Classes Begin	Monday, May 8
Memorial Day (University closed)	Monday, May 29

June I Sessions

Classes Begin	Tuesday, May 30
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June II Sessions

Classes Begin	Monday, June 5
Juneteenth Holiday (University closed)	Monday, June 19

July I Sessions

Independence Day (University closed)	Tuesday, July 4
Classes Begin	Monday, July 10

July II Sessions

Classes Begin	Monday, July 17
Summer Term Ends	Thursday, August 10

The University

Welcome to Western Kentucky University (WKU), home of the Hilltoppers. Our hilltop campus is located in Bowling Green, Kentucky, a city with a population of more than 70,000 approximately 110 miles south of Louisville and 65 miles north of Nashville, and is acclaimed as one of the most beautiful campuses in the nation. Schedule a campus tour www.wku.edu/admissions/tours.php (<https://www.wku.edu/admissions/tours.php>) drop or take a virtual tour at www.wku.edu/tour (<https://www.wku.edu/tour/>). In addition to its main campus in Bowling Green, WKU has locations at South Campus, the WKU Innovation Campus, and the WKU Agriculture and Research Education Center. WKU also has regional locations in Elizabethtown/Ft. Knox, Glasgow, Owensboro, and Somerset, which extend our academic programs, continuing education and professional development programs into the communities we serve.

WKU's undergraduate division provides four-year programs leading to the Bachelor of Arts, the Bachelor of Fine Arts, the Bachelor of Interdisciplinary Studies, the Bachelor of Science, the Bachelor of Science in Nursing, the Bachelor of Music, and the Bachelor of Social Work degrees. Ninety-seven (97) academic majors lead to the baccalaureate degree and seventy-five (75) academic minors are available. A number of professional and pre-professional advising tracks provide additional options.

Four (4) associate degree programs are offered leading to the Associate of Arts degree, Associate of Science degree, Associate of Science in Nursing and Associate of Interdisciplinary Studies degree. Thirty-six (36) undergraduate certificate programs are also offered.

The Graduate School (<https://www.wku.edu/graduate/>) at WKU offers graduate education in eighty-nine (89) degree and certificate programs. The University confers the Master of Accountancy, Master of Arts, Master of Arts in Education, Master of Arts in Teaching, Master of Business Administration, Master of Fine Arts, Master of Health Administration, Master of Music, Master of Public Administration, Master of Public Health, Master of Science, Master of Science in Nursing, Master of Social Work, Specialist in Education, Doctor of Education, Doctor of Nursing Practice, Doctor of Physical Therapy, and Doctor of Psychology. WKU also offers non-degree Rank I and II and certification-only teacher education programs.

History

On March 21, 1906, the Kentucky General Assembly approved legislation to establish two teacher training institutions, or "normal schools," in the state. A locating commission chose Bowling Green as the site of one, and the Western Kentucky State Normal School was established. The new state-supported school took over the building and student body of the privately owned Southern Normal School. The owner of the Southern Normal School, Henry Hardin Cherry, had been actively involved in the campaign to establish teacher training schools and became the institution's first president. Classes began on January 22, 1907.

On February 4, 1911, the school moved to its present site on "The Hill," approximately 125 feet above downtown Bowling Green and formerly the site of the Pleasant J. Potter College. Over the next decade, the curriculum focused on teacher training and certification. In 1922, the state renamed the institution Western Kentucky State Normal School and Teachers College and authorized it to grant four-year degrees. The first such degrees were awarded in 1924.

The campus expanded in 1927 when it merged with Ogden College, a private school for young men located on the east side of The Hill. The name was shortened to Western Kentucky State Teachers College in 1930, and the following year the first graduate degree was offered.

In the 1950s and 1960s, both the curriculum and campus underwent major reorganization and expansion. In 1963, the institution merged with the Bowling Green College of Commerce. Along with The Graduate School, the Bowling Green College of Commerce became a separate college within the academic structure. In 1965, the Board of Regents approved the formation of three more colleges: the Potter College of Liberal Arts, the College of Education, and the Ogden College of Science and Technology. On June 16, 1966, Western Kentucky State College became Western Kentucky University.

More colleges and reorganization followed throughout the years as WKU continued to grow. The College of Health and Human Services was established in 2002. In 2011, the university's first doctoral degrees, the Doctor of Education in Educational Leadership, were awarded through the College of Education and Behavioral Sciences. In 2011 and 2013 two additional professional practice doctoral degrees, the Doctor of Nursing Practice and the Doctor of Physical Therapy, were established, and in 2015 the Doctor of Psychology was added.

WKU's five academic colleges are:

- College of Education and Behavioral Sciences
- College of Health and Human Services
- Gordon Ford College of Business
- Ogden College of Science & Engineering
- Potter College of Arts & Letters

In addition, the Dixie and Peter Mahurin Honors College at WKU offers high-achieving students the environment of a small, highly selective college within the framework of the larger university.

Mission, Purpose, and Core Values

Mission

Western Kentucky University (WKU) prepares students of all backgrounds to be productive, engaged, and socially responsible citizen-leaders of a global society. The University provides research, service, and lifelong learning opportunities for its students, faculty, and other constituents. WKU enriches the quality of life for those within its reach.

Statement of Purpose

WKU is engaged in internationally acclaimed, student-and-learning-centered academic programs. The WKU experience occurs on several unique campus environments and through an overarching spirit which attracts an intellectually exciting and diverse family of the nation's best students. WKU provides students of all backgrounds with rigorous academic programs in education, the liberal arts and sciences, the health sciences, and business, with emphasis at the baccalaureate and master's levels, complemented by relevant associate and doctoral level programs. The University places a premium on student learning; WKU is committed to ensuring value in a holistic learning experience through high standards for student achievement and conduct, a strong faculty, technological innovation, personalized attention, broad access, and public accountability for actions and outcomes. Out-of-the-classroom

and study abroad experiences enhance learning, promote diversity, and contribute to the success of students.

The University encourages engaged research and public service in support of economic development, quality of life, and improvement of education at all levels. WKU faculty contribute to the identification and solution of key social, economic, scientific, health, and environmental problems. An inspiring and talented faculty promotes a high level of creative activity and diverse scholarship and an entrepreneurial attitude designed to expand knowledge, improve instruction, increase learning, and provide applied solutions toward high-quality service to the state and nation. The University directly supports its constituents in its designated service areas of Kentucky with professional and technical expertise, cultural enrichment, and educational assistance.

Maintaining a campus of distinctive history and character, WKU sustains a student population of increasing quality. WKU fulfills its responsibility for access through its main and regional campuses, and through extensive distance learning opportunities. WKU recognizes that its mission continues to evolve in response to regional, national, and global changes, and the need for lifelong learning.

Core Values

Shared purposes and beliefs drive the decisions and actions of any organization or institution. The core values that undergird the foundations of WKU are reflected in the University's vision, mission, and purpose statements, and in the goals of the strategic plan (<https://www.wku.edu/strategicplan/>).

The rich heritage that is WKU's has been built upon a foundation of shared values that have withstood the test of time and the challenges of many changes. These values are deeply embedded in the words of WKU's first President, Dr. Henry Hardin Cherry, as he set forth a vision for this University:

- to be a live school and to impart to its students a burning zeal to do and be something;
- to be progressive, to use modern methods and equipment, but reject all worthless educational fads;
- to let the reputation of the school be sustained by real merit;
- to "ring the rising bell in the human soul" by inspiring all students who come in touch with the work of the institution.

This vision is further reflected in Dr. Cherry's often-quoted reminder that "It's what's above the rim that counts" and in the two University ideals expressed in the University seal: "Life More Life" and the University motto: "The Spirit Makes the Master."

Building upon these long lasting values, the following core tenets represent a reaffirmation of the shared purposes and beliefs upon which this strategic plan is built:

- Emphasis on cooperation, teamwork, and mutual respect for individual differences in scholarship, diversity, and culture.
- Expectation for all conduct to be characterized by integrity, honesty, and commitment to high moral and ethical values and principles.
- Commitment to assuring quality of programs, competence of graduates, and opportunities for lifelong learning.
- A view of scholarly endeavors that includes teaching, research, and creative activities as mutually supportive.

- Encouragement of meaningful and active partnerships among students, faculty, staff, and constituents to strengthen the learning environment.
- Nurturing of innovative and creative activities of faculty, staff, and students that advance University mission and goals.
- Dedication to the importance of achieving excellence in all programs and for adding value to the degrees and credentials of our students.
- Commitment to providing a collegiate experience that prepares students to be informed, engaged, and dedicated citizens.
- Commitment to contributing to improved quality of life and economic well-being of Kentuckians, especially those in our primary service area, as well as other constituents and stakeholders.
- Commitment to developing empowered, informed, and responsible learners who recognize both the personal and shared responsibility to actively participate in university life by upholding the principles of the University Creed.

WKU 2018-2028 Strategic Plan: *Climbing to Greater Heights*

Climbing to Greater Heights: The 2018-2028 Strategic Plan (<https://www.wku.edu/strategicplan/>) for Western Kentucky University is a carefully defined roadmap that will guide the University through 2028. It focuses on student success and ensuring that our campus environment attracts the highest quality faculty and staff, and it renews our commitment to being fully engaged in our region and the commonwealth while providing a global context to the WKU Experience.

The landscape for public higher education is ever changing and may at times feel like an uphill climb. We will prepare ourselves to meet the challenges that lie ahead by pursuing innovation in teaching and delivery, connecting what we do to the region and the commonwealth, and ensuring that the WKU Experience transforms the lives of our students, employees, alumni, and friends and elevates the communities we serve - both in our region and beyond. These are the principles that will guide us in our climb to greater heights.

Accreditations

Western Kentucky University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associate, baccalaureate, masters, specialist, and doctorate degrees. Questions about the accreditation of Western Kentucky University may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org (<https://sacscoc.org/>)).

Accounting: The Association to Advance Collegiate Schools of Business (<http://www.aacsb.edu/>) (AACSB International) (BS and MAcc)

Advertising: Accrediting Council on Education in Journalism and Mass Communications (<https://www.acejmc.org/>) (ACEJMC)

Architectural Science: The Association of Technology, Management, and Applied Engineering (<http://www.atmae.org/>) (ATMAE) (BS Program)

Art: National Association of Schools of Art and Design (<https://nasad.arts-accredit.org/>) (NASAD) Commission on Accreditation (<https://nasad.arts-accredit.org/>) (AB in Art History, AB in Visual Studies (Art Ed

and Studio concentrations); and BFA in Visual Arts (Graphic Design and Studio concentrations))

Broadcasting: Accrediting Council on Education in Journalism and Mass Communications (<https://www.acejmc.org/>) (ACEJMC)

Business: The Association to Advance Collegiate Schools of Business (<http://www.aacsb.edu/>) (AACSB International) (BS and MBA)

Civil Engineering: Engineering Accreditation Commission of ABET (<http://www.abet.org/>) (BS Program)

Computer Science: Engineering Accreditation Commission of ABET (<http://www.abet.org/>) (BS Program)

Construction Management: The Association of Technology, Management, and Applied Engineering (<http://www.atmae.org/>) (ATMAE) (BS Program)

Counseling: Council for Accreditation of Counseling and Related Educational Programs (<http://www.cacrep.org/>) (CACREP) (MAE)

Cybersecurity Data Analytics: The Association to Advance Collegiate Schools of Business (<https://www.aacsb.edu/>) (AACSB International) (MS)

Dance: National Association of Schools of Dance (<https://nasd.arts-accredit.org/>) (NASD) Commission on Accreditation (<https://nasd.arts-accredit.org/>) (AB Program)

Dental Hygiene: Commission on Dental Accreditation of American Dental Association (<https://www.ada.org/en/coda/>) (CODA-ADA) (AS and BS)

Dietetics: Accreditation Council for Education in Nutrition and Dietetics (<https://www.eatrightpro.org/acend/>) (ACEND) (BS in Hospitality Management and Dietetics with a concentration in Nutrition and Dietetics, and Graduate Dietetic Practice Certificate)

Early Childhood Education: National Association for the Education of Young Children (<https://www.naeyc.org/accreditation/>) (NAEYC) (AA Early Childhood Education, BS program and concentration in Child and Family Services with Child Development elective)

Education: Council for the Accreditation of Educator Preparation (CAEP) (<http://caepnet.org/>) (Initial and Advanced Educator Preparation, ADV), and Kentucky's Educational Professional Standards Board (<http://www.epsb.ky.gov/>) (EPSB)

Electrical Engineering: Engineering Accreditation Commission of ABET (<http://www.abet.org/>) (BS Program)

Engineering Technology Management: The Association of Technology, Management, and Applied Engineering (<http://www.atmae.org/>) (ATMAE) (MS)

Environmental and Occupational Health Science: The National Environmental Health Science and Protection Accreditation Council (<https://www.nehspac.org/>) (EHAC) (MS)

Film: National Association of Schools of Art and Design (<https://nasad.arts-accredit.org/>) (NASAD)

Healthcare Administration: Association of University Programs in Health Administration (<http://www.aupha.org/home/>) (AUPHA) (BS Program)

Health Information Management: Commission on Accreditation for Health Informatics and Information Management Education (<http://www.cahiim.org/>) (CAHIIM) (BS Program)

Interior Design: National Association of Schools of Art and Design (<https://nasad.arts-accredit.org/>) (NASAD) Commission on Accreditation (<https://nasad.arts-accredit.org/>) (BS Interior Design and Fashion Merchandising (Interior Design concentration))

Journalism: Accrediting Council on Education in Journalism and Mass Communications (<http://www.acejmc.org/>) (ACEJMC) (Undergraduate Program)

Long Term Care Administration: National Association of Long Term Care Administrator Boards (<https://www.nabweb.org/>) (NAB) (BS in Healthcare Administration with a Long-term Administration Certificate)

Manufacturing Engineering Technology: The Association of Technology, Management, and Applied Engineering (<http://www.atmae.org/>) (ATMAE) (BS Program)

Mechanical Engineering: Engineering Accreditation Commission of ABET (<http://www.abet.org/>) (BS Program)

Music: National Association of Schools of Music (<http://nasm.arts-accredit.org/>) (NASM) Commission on Accreditation (<http://nasm.arts-accredit.org/>) (AB, BM and MM)

Nursing: Commission on Collegiate Nursing Education (<https://www.aacnnursing.org/CCNE/>) (CCNE) (BSN, MSN and DNP) and Accreditation Commission for Education in Nursing (<https://www.acenursing.org/>) (ACEN) (ASN Program)

Photojournalism: Accrediting Council on Education in Journalism and Mass Communications (<https://www.acejmc.org/>) (ACEJMC)

Physical Therapy: Commission on Accreditation in Physical Therapy Education (<http://www.capteonline.org/home.aspx>) (CAPTE) (DPT)

Public Administration: Network of Schools of Public Policy, Affairs, and Administration (<http://www.naspaa.org/>) (NASPAA) (MPA)

Public Health: Council on Education for Public Health (<http://ceph.org/>) (CEPH) (BS and MPH)

Public Relations: Accrediting Council on Education in Journalism and Mass Communications (<https://www.acejmc.org/>) (ACEJMC)

Recreation Administration: Council on Accreditation of Parks, Recreation, Tourism and Related Professions (<https://www.nrpa.org/certification/accreditation/coaprt/>) (COAPRT) (BS Program)

School Psychology: National Association of School Psychologists (<https://www.nasponline.org/>) (NASP), Council for the Accreditation of Educator Preparation (<http://caepnet.org/>) (CAEP), and Kentucky's Educational Professional Standards Board (<http://www.epsb.ky.gov/>) (EPSB) (EdS)

Social Work: Council on Social Work Education (<http://www.cswe.org/>) (CSWE) (BSW and MSW)

Speech-Language Pathology: Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language-Hearing Association (<https://caa.asha.org/>) (CAA) (MS)

Theatre: National Association of Schools of Theatre (<https://nast.arts-accredit.org/>) (NAST) Commission on Accreditation (<https://nast.arts-accredit.org/>) (AB in Theatre and BFA in Performing Arts)

Approved by Professional Organizations

Chemistry: American Chemical Society (<https://www.acs.org/content/acs/en/education/policies/acs-approval-program/data-reports.html>) (ACS) (BS and MS)

Professional Legal Studies: American Bar Association (<https://www.americanbar.org/>) (ABA) (BS)

University Notices

Notification of Rights: Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records, including

1. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access. Students should submit to the University Registrar, dean, chair of the academic department, or other appropriate official, a written request that identifies the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading. Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for an amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent, including disclosure without the student's consent is permissible to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Regents; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.
4. The right to file a complaint with the U. S. Department of Education concerning alleged failures by Western Kentucky University to comply

with the requirements of FERPA. The name and address of the office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-8520

Release of student record information is generally not done at WKU without the expressed, written consent of the student; however, FERPA allows several exceptions described below:

1. FERPA allows the institution to routinely release information defined as "directory information." The following student information is included in the definition: the student's name, address, e-mail address, telephone listing, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, enrollment status (including full-time, part-time, not enrolled, withdrawn and date of withdrawal), degree and awards received, and the most recent previous education agency or institution attended by the student. When a student wants any part of the directory information to remain confidential, an official request form must be completed in the Office of the Registrar within the first five days of class of each school term.
2. Upon request, WKU may disclose education records without the student's consent to officials of another school in which a student seeks to enroll, or where the student is already enrolled as long as the disclosure is for purposes related to the student's enrollment or transfer.
3. Effective January 3, 2012, the U.S. Department of Education's FERPA regulations expanded the circumstances under which the student's education records and personally identifiable information (PII) contained in such records—including Social Security Number, grades, or other private information—may be accessed without the student's consent.
 - a. First, the U.S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or state and local education authorities ("Federal and State Authorities") may allow access to the student's records and PII without the student's consent to any third party designated by a Federal or State Authority to evaluate a federal- or state-supported education program. The evaluation may relate to any program that is "principally engaged in the provision of education," such as early childhood education and job training, as well as any program that is administered by an education agency or institution.
 - b. Second, Federal and State Authorities may allow access to the student's education records and PII without the student's consent to researchers performing certain types of studies, in certain cases even when the university objects to or does not request such research. Federal and State Authorities must obtain certain use-restriction and data security promises from the entities that they authorize to receive the student's PII, but the Authorities need not maintain direct control over such entities.
 - c. In addition, in connection with Statewide Longitudinal Data Systems, State Authorities may collect, compile, permanently retain, and share without the student's consent PII from the student's education records, and they may track the student's participation in education and other programs by linking such PII to other personal information about the student that they obtain from other Federal or State data sources, including workforce development, unemployment insurance, child welfare, juvenile justice, military service, and migrant student records systems.

Questions pertaining to the Family Educational Rights and Privacy Act may be directed to Jennifer Hammonds, University Registrar, Potter Hall Room 238, (270) 745-3351.

Student Right-to-Know Act Annual Disclosure Statement

In compliance with the federal Student Right-to-Know and Campus Security Act of 1990, the University's graduation rate is to be made available, upon request, to potential and currently enrolled students. The Act requires public disclosure beginning July 1, 1993, of this information by institutions of higher education receiving federal financial assistance.

Western Kentucky University's graduation rate was calculated using definitions established by the U. S. Department of Education. This rate is based upon the number of beginning freshmen who entered Western Kentucky University as full-time degree-seeking students during the 2015 fall semester and who completed an associate degree or a baccalaureate degree within six years (through August, 2021). For this cohort of beginning students, the graduation rate is 54%.

Kentucky Center for Education & Workforce Statistics: Post-Secondary Feedback Report

The Postsecondary Feedback Reports take a deep look into what happens to Kentucky graduates after they leave college. Each report provides in-depth data by institution about which degrees are pursued, the employment of graduates as well as information about students who go on to pursue advanced degrees, average wages for various degree categories, and some insights into what happens to students who leave without a credential and do not continue their education elsewhere. Reports are created for each of the commonwealth's public 4-year, public 2-year, and independent institutions.

For more information and to view the report please go to: <https://kcews.ky.gov/Latest/PSFR> (<https://kcews.ky.gov/Latest/PSFR/>)

Statement of Compliance

Western Kentucky University (WKU) is committed to equal opportunity in its educational programs and employment. The University is an Equal Employment Opportunity/Affirmative Action employer, and does not discriminate on the basis of race, color, ethnic origin, national origin, creed, religion, political belief, sex, sexual orientation, gender identity/expression, marital status, age, uniform service, veteran status, pregnancy, childbirth or related conditions, or physical or mental disability. On request, WKU will provide reasonable accommodations, including auxiliary aids and services, necessary to afford an individual with a disability an equal opportunity to participate in all services, programs, activities, and employment.

The University has published policies and procedures for investigating and/or addressing discrimination or harassment in its educational programs and/or employment. If you believe you have experienced discrimination or harassment in such programs, activities, or employment, policies and procedures are included on the following website: <http://www.wku.edu/policies/> (WKU Policies), in addition to the WKU Student Handbook, and Undergraduate and Graduate Catalogs. These publications, including information about University procedures, are available on the University's website (www.wku.edu (<http://www.wku.edu/>)), at:

WKU Policies: <http://www.wku.edu/policies/>
 WKU Student Handbook: <http://www.wku.edu/handbook/>
 WKU Undergraduate Catalog: <https://catalog.wku.edu/undergraduate>
 (<http://catalog.wku.edu/undergraduate/>)
 WKU Graduate Catalog: <http://catalog.wku.edu/graduate> (<http://catalog.wku.edu/graduate/>)

The following person has been designated to serve as the University's Title IX Coordinator:

Ms. Ena Demir
 Executive Director, Office of Institutional Equity / Title IX Coordinator
 Wetherby Administrative Center, Suite 101
 1906 College Heights Blvd. #11001
 Bowling Green, KY 42101-1001
 (270) 745-5398

Information regarding WKU's Title IX compliance, policies, and procedures may be found on the following website: <http://www.wku.edu/titleix/>.

In addition, information or assistance may be requested from the following:

Office of Equal Employment Opportunity/Affirmative Action/University ADA Services
 Wetherby Administration Building, Suite G33
 1906 College Heights Blvd. #11009
 Bowling Green, KY 42101-1009
 (270) 745-5121

Department of Human Resources
 Wetherby Administration Building, Suite G25
 1906 College Heights Blvd. #11003
 Bowling Green, KY 42101-1003
 (270) 745-5360

Academic Affairs & Provost's Office
 Wetherby Administration Building, Suite 239
 1906 College Heights Blvd. #11008
 Bowling Green, KY 42101-1008
 Phone: (270) 745-2297

Inquiries about alleged discrimination may also be made directly to:

The Office for Civil Rights
 U.S. Department of Education
 The Wanamaker Building, Suite 515
 100 Penn Square East
 Philadelphia, PA 19107
 (215) 656-8541

The Kentucky Commission on Human Rights
 332 W. Broadway, Suite 1400
 Louisville, Kentucky 40202
 (800) 292-5566
 (TDD) (502) 595-4084

or

The Equal Employment Opportunity Commission
 600 Martin Luther King, Jr. Place, Suite 268
 Louisville, Kentucky 40202
 (800) 669-4000

TTY (800) 669-6820

Enrolling at WKU

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Admission

Office of Admissions: Potter Hall, Office 117

Phone: (270) 745-2551; Fax: (270) 745-6133

Email: admission@wku.edu

Website: <http://www.wku.edu/admissions> (<http://www.wku.edu/admissions/>)

Policies

WKU's admission policy is designed to provide educational opportunities for students who have a serious commitment to continuing their formal education and reasonable prospects for academic achievement.

In evaluating applications for admission, factors that may be considered include: complete and accurate information listed on the application for admission; high school performance; scores achieved on the American College Test (ACT) or Scholastic Assessment Test (SAT) (Western Kentucky University does not require students to submit the optional written portion of either the SAT or the ACT for consideration in admission to the University); post-secondary academic record, if any.

By recognizing differences in interests and levels of achievement, the admissions process is the initial step in providing students with personalized counseling. An application for admission should be submitted well in advance of the term for which the student plans to enroll. Beginning freshmen should complete the application process early in their senior year in high school.

Pre-College Curriculum

The Office of Admissions checks for successful completion of the Pre-College Curriculum (PCC). Successful completion of the PCC means that:

1. The student met the KY minimum high school graduation requirements. (*Note: Students not graduating from a KY high school do not have to meet Kentucky PCC requirements. Out-of-state students are expected to meet the PCC requirements of their home states.*)
2. The student has completed two credits of a single world language. (*Admission to WKU may still be granted without the completion of two credits of a single world language.*)

Admission

The Office of Admissions evaluates whether students meet the standards for admission as determined by the University. These criteria are subject to review and revision by the University at any time. Current admissions requirements are available on the Office of Admissions' website (<https://www.wku.edu/admissions/>).

Students admitted to WKU are subject to placement in academic support programs, based on their previous academic work.

Applicants who have earned a state issued high school equivalency diploma or are graduates of a Kentucky based non-certified non-public high school, including home school, shall meet the admission criteria established by the university, which shall include taking the appropriate admissions exams to assess readiness. For additional information, see the Admissions website (<https://www.wku.edu/admissions/>) or email admission@wku.edu. To view Kentucky GED policies, visit <https://ged.com/policies/kentucky/>.

Other Admission Considerations – Special Approval Categories

Graduates of Non-Accredited High Schools - Admission may be granted on the basis of completion of the pre-college curriculum and a satisfactory high school record that has been validated through satisfactory scores on the American College Test or the Scholastic Assessment Test.

Early Admission - High school students who are within one unit of graduation and have a superior academic record may be admitted upon special approval from the Office of Admissions. Applicants should submit a high school transcript with the application. Students with a 2.50 unweighted high school GPA or greater are not required to submit ACT or SAT scores for admission purposes.

Concurrent High School-College Enrollment - Superior high school students may be admitted to enroll in courses concurrent with high school enrollment.

Dual Credit Program - WKU Academic Affairs administers a Dual Credit program at participating high schools. The Dual Credit program allows students to earn college credit as part of their high-school curriculum. Courses are offered at a substantially reduced tuition rate and provide a means of preparing college-bound students for the challenge of university coursework. <https://www.wku.edu/dualcredit> (<https://www.wku.edu/dualcredit/>).

GED Applicants - All Kentucky students who have earned a GED are also obligated to have completed the pre-college curriculum requirements for entry to Western Kentucky University (unless the applicant is 21 years of age or older). Non-resident applicants are required to fulfill their state's pre-college curriculum.

Non-Degree Applicants - Students who do not expect to become applicants for any certificate or degree may enroll upon approval of the Office of Admissions. They will not be required to follow any regular curriculum, but they will be subject to all other rules and regulations of the University.

Senior Citizens - Kentucky residents who are 65 years of age or older, on or before the day the semester begins, are granted Senior Citizen Scholarships for any college class in which they enroll for credit or to audit.

Checklist for Applying to WKU ¹

Entrance Level	Records Needed	When to Apply
Beginning Freshman	<ul style="list-style-type: none"> • Application Fee • High school transcript • ACT (or SAT) scores (unless the applicant is 21 years of age or older or has a 2.50 unweighted high school GPA or greater) 	Early in senior year
Transfer	<ul style="list-style-type: none"> • Application Fee • One official transcript from each postsecondary institution attended • High school transcript also required, if less than 24 semester hours earned • ACT (or SAT) scores also required, if less than 24 semester hours earned (unless the applicant is 21 years of age or older or has a 2.50 unweighted high school GPA or greater) 	At least one semester prior to entrance
Readmission	<ul style="list-style-type: none"> • One official transcript from each institution attended since leaving WKU 	At least one semester prior to entrance
Visitor	<ul style="list-style-type: none"> • Application Fee • Letter of good standing from home institution 	At least 30 days before term begins
International Students	<ul style="list-style-type: none"> • Contact the Office of International Admissions 	As early as possible

¹ These requirements were current at the time of publication, but may be revised at any time by the university

International Admissions

Mr. John Sunnygard

Associate Provost for Global Learning and International Affairs

Phone: (270) 745-4857; **Fax:** (270) 745-6144

Email: applyinternational@wku.edu

Website: <http://www.wku.edu/international> (<http://www.wku.edu/international/>)

International Admissions is housed within WKU Global, a unit of the Office of Global Learning & International Affairs. WKU aspires to enroll a diverse body of students who are fully prepared for a rigorous, fulfilling college experience. For prospective students who hold an F-1 Student Visa, the University's academic requirements for admission described in the preceding sections must be met. All necessary documents including academic records and proof of English language proficiency must be received before WKU International Admissions can make a decision. International Admissions will review student credentials and render the admission decision. International students must also provide financial documents in order to obtain an I-20 or DS-2019.

Decisions regarding admission and the issuance of immigration documents are made in compliance with all federal and state guidelines and in compliance with admissions standards and the policies of the University.

All official transcripts from each college or university attended must be in English. It is each student's responsibility to have the documents translated before admissibility can be determined. WKU does not provide translation services; however, students may contact the embassy/consulate of the country in which documents are issued, a certified translation service, or Education USA for translation assistance.

The following will apply:

- All information must be translated into English.
- Translation must be exactly the same as the original document including format.
- No interpretation or evaluation of information should be included.
- Translation must be typed, signed, and dated by the translator. Contact information for the translator must be listed including address, phone number(s), email address, and fax number (if available).
- Each applicant is responsible for any altered or fraudulent documents submitted; the applicant will be denied admission and the issuing board or institution will be notified.
- Western Kentucky University reserves the right to request professional credential evaluation by an independent third party.

International Undergraduate Admission Requirements

English Proficiency Requirements - All applicants from non-English speaking countries are required to take the Test of English as a Foreign Language (TOEFL), or the International English Language Testing System (IELTS) offered by the Educational Testing Service, or one of the approved methods listed below. It is the applicant's responsibility to obtain the necessary information and application forms, and to arrange to take the test by a date that assures the results are reported to the University by the required International Admissions deadlines. The test of English proficiency must be completed no more than two years before the date of receipt by WKU. English proficiency tests older than two years are invalid. Transfer students may demonstrate proof of English proficiency by completing 24 or more hours at a U.S. regionally accredited university with a minimum cumulative grade point average of 2.0.

Test	Score (minimum)
TOEFL iBT	71
IELTS (academic version)	6.0
ELS	109
Pearson Test of English – Academic 52 (PTEA)	
SAT Evidence Based Reading and Writing (March 1, 2016 and after)	460
Duolingo English Test (DET)	100

First Time Freshmen must have the equivalent of a secondary school education and meet the minimum grade point average (GPA) requirement of 2.5 (converted GPA) set forth by WKU, demonstrated financial resources, and must meet one of the minimum requirements for English proficiency as stated in the chart above.

Transfer Students must meet the academic transfer requirement set forth by WKU by completing 24 or more hours at a U.S. regionally accredited university with a minimum cumulative grade point average of 2.0, demonstrated financial resources, and must meet one of the minimum requirements for English proficiency as stated in the chart above. Transfer students without 24 credits from a U.S. institution, will be required to submit secondary school transcripts and be bound by first time freshmen requirements.

NOTE: English proficiency and GPA calculations will be determined using methods approved and published by organizations such as AACRAO, and ECE. Academic programs may require specific English proficiency tests and/or test score above the direct admission requirement. Nursing: <http://www.wku.edu/nursing/documents/approvedtoefl.pdf>.

Official Transcripts of International Students – Students who have attended any educational institution will need to request that all schools attended send official transcript(s) directly to Western Kentucky University. Some educational institutions do not issue transcripts to other schools; instead, they issue transcripts or the original certificate/mark sheet to students. In this case, students should provide a photocopy of the original document. This can be sent via email to iem@wku.edu or uploaded to (http://intranet.wku.edu/php/prod/iem_upload/index.php (http://intranet.wku.edu/php/prod/iem_upload/)). If deemed necessary by WKU, an official translated copy of the transcript(s) must be provided. Consulates and embassies often serve as a resource for the attestation of educational documents. Students on WKU's campus may bring the original transcript(s) or document(s) to International Admissions for review and verification.

College credit is acceptable if earned at a regionally accredited U.S. institution or the equivalent as determined by the academic department within the discipline. At time of application, transfer students with less than 24 total credit hours at a tertiary institution will be required to submit secondary school transcripts along with required college transcripts. Transfer students with 24+ hours of college credit are not required to submit secondary school transcripts (College transcripts are required).

International Pathway to Academic Success (IPAS) - The program includes one year of credit bearing academic courses to help successfully transition international students to university studies in the United States. Students must have a secondary school education and a minimum grade point average (GPA) of 2.25, demonstrated financial resources, and proficiency in English as determined by one of the following: a 61 on the TOEFL internet-based test, an IELTS (academic

version) of 5.5, a 45 on the Pearson Test of English – Academic (PTEA), or 90 DET (DuoLingo) Any applicant meeting these requirements will be admissible to the IPAS. Each student admitted to the IPAS will complete a learning contract, which outlines the institutional and student commitment for student success. Upon obtaining 24 credit hours in good standing, students will have completed the IPAS and transition to traditional WKU courses.

Supplemental Requirements

WKU	Application Fee(\$75)	Final High School Transcript/ Diploma	Credential Verification and In-House Evaluation	TOP
Direct Admit	Required	Required	Required	Required
Pathway	Required	Required	Required	Required
Transfer	Required	High School/ College Transcript	Required	Required

Note: TOP is a new student orientation program provided jointly with WKU Admissions. TOP helps students become more familiar with Western Kentucky University and provides an opportunity to meet with an academic advisor from your chosen major in a small group setting. You will also register for classes and receive a copy of your class schedule. Placement exams are also administered (COMPASS, MPE, ACCUPLACER), during the TOP orientation.

J-1 Non-Degree Exchange Visitors Undergraduate English Proficiency Admission Requirements – Exchange visitors must provide proof of English proficiency. A detailed description of the minimum admission requirements are outlined at: <http://www.wku.edu/international/intlreq.php>.

Joint Admissions

WKU partners with community colleges through the Joint Admissions Program. Students participating in Joint Admissions are admitted to a participating community college and WKU at the same time as they work toward completing their community college degree. WKU currently has joint admission agreements with the following KCTCS institutions: Bluegrass Community and Technical College, Elizabethtown Community and Technical College, Henderson Community College, Hopkinsville Community College, Jefferson Community and Technical College, Madisonville Community College, Owensboro Community and Technical College, Somerset Community College, and Southcentral Kentucky Community and Technical College. Additionally, WKU has joint admission agreements with Volunteer State Community College in Tennessee and Ivy Tech Community College – Southwest located in Indiana.

Readmission of Service Members

Military service is defined as service, whether voluntary or involuntary, in the armed forces, including service by a member of the National Guard or Reserve on active duty, active duty for training, or full-time National Guard duty under federal authority, for a period of more than 30 consecutive days under a call or order to active duty of more than 30 consecutive days. This does not include National Guard service under state authority.

Service members that are not able to attend courses due to military service should notify the Office of the Registrar. Students will be readmitted with the same academic status they held during their last attending semester. Students that have not attended a full semester will be readmitted with the academic standing they had when accepted to the

University. Students may contact the Office of Admissions for questions or concerns regarding readmission after military service.

Residency Determinations

Determination of residency for admission and tuition assessment is governed by state regulation 13 KAR 2:045. The regulation can be viewed on the Kentucky Council on Postsecondary Education web site <http://cpe.ky.gov/legislation/residency.html>. Information about WKU's residency policy is available at <https://www.wku.edu/registrar/residency.php>. Residency determinations are made and communicated to the student at the point of admission. It is the student's responsibility to initiate a residency reclassification review if the residency decision is thought to be incorrect. Residency determinations cannot be made retroactively.

An active member of the Kentucky National Guard who enrolls as a student in a Kentucky public university as a non-Kentucky resident shall be considered a Kentucky resident for tuition purposes per KRS 164.2844(2).

Admission Appeal Procedures

When further consideration of a WKU admission decision is desired, the University Admission Appeals Committee shall have the responsibility for reviewing the situation to determine if the decision was in keeping with existing policy.

An appeal will only be considered by this committee after a letter of appeal written and signed by the applicant has been submitted to the Office of Admissions clearly explaining the reasons the student feels an exception should be made. The letter of appeal should include details that the applicant considers appropriate. The University Admissions Appeals Committee will convene using the letter of appeal, as well as all admission materials, as the basis for decision. The applicant will be informed in writing of the decision of the committee.

For additional information concerning admission appeals, contact the Office of Admissions at admission@wku.edu.

Departments Requiring Additional Admission

Students should be aware that several academic majors require admission to the program in addition to admission to Western Kentucky University. Students should contact the specific department to determine any additional admission requirements. Baccalaureate degree programs generally accept applications for admission by the third year of study, while associate degree programs generally accept applications by the second semester of the first year. Students interested in associate degree programs are encouraged to contact the department well in advance of initial enrollment. University admission is required before departmental admission can be considered.

The Graduate School Admission

Information regarding admission to the Graduate School is published in the Graduate Catalog (<http://catalog.wku.edu/graduate/>) or can be requested at graduate.school@wku.edu or (270) 745-2446.

College Readiness

Email: college.readiness@wku.edu

Website: <http://www.wku.edu/getready/>

The Kentucky Council on Postsecondary Education (CPE), working with the universities, and the Kentucky Department of Education developed minimum qualifications for admission to state-supported postsecondary education. These standards, referenced as college readiness indicators, are identified below and posted on the CPE website (<http://cpe.ky.gov/policies/collegereadiness.html>). Students who fail to meet one or more of the standards are required to take supplemental courses.

The current **College Readiness Standards** established by the Kentucky Council on Postsecondary Education are as follows:

- **ACT scores** (taken after 10/1989)
 - **English:** 18 or higher on English
 - **Mathematics**
 - *Quantitative Reasoning:* 19 or higher on Mathematics
 - *College Algebra:* 22 or higher on Mathematics
 - *Calculus:* 27 or higher on Mathematics
 - **Reading:** 20 or higher on Reading
- **SAT scores – Prior to March 2016**
 - **English:** 430 or higher on Writing (CPE), OR 450 or higher on Critical Reading (WKU)
 - **Mathematics**
 - *Quantitative Reasoning:* 460 or higher on Mathematics
 - *College Algebra:* 510 or higher on Mathematics
 - *Calculus:* 610 or higher on Mathematics
 - **Reading:** 470 or higher on Critical Reading
- **SAT scores – Beginning March 2016**
 - **English:** 480 or higher on Evidence-Based Reading & Writing (CPE), OR 25 or higher on Writing and Language (WKU)
 - **Mathematics:**
 - *Quantitative Reasoning:* 500 or higher on Mathematics
 - *College Algebra:* 560 or higher on Mathematics
 - *Calculus:* 650 or higher on Mathematics
 - **Reading:** 480 or higher on Evidence-Based Reading & Writing or 25 on the Reading Test
- **GED College Readiness**
 - **English:** *Reasoning through the Language Arts:* 165 or higher
 - **Mathematics**
 - *Quantitative Reasoning:* 165 or higher
 - *College Algebra:* 175 or higher
 - *Calculus:* N/A
 - **Reading:** 165 or higher
- **KYOTE test scores**
 - **English:** 6 or higher on Writing
 - **Mathematics**
 - *Quantitative Reasoning:* 22 or higher on College Readiness Mathematics
 - *College Algebra:* 14 or higher on College Algebra
 - *Calculus:* 15 or higher on Calculus
 - **Reading:** 20 or higher on Reading
- **PARCC**
 - **English:** 4 or higher on English Language Arts/Literacy
 - **Mathematics**

- *Quantitative Reasoning:* 4 or higher on Mathematics
- *College Algebra:* N/A
- *Calculus:* N/A
- **Reading:** 4 or higher on English Language Arts/Literacy

• **Smarter Balanced**

- **English:** Level 4 on English/Language Arts
- **Mathematics**
 - *Mathematics (Quantitative Reasoning):* Mathematics 4 or higher
 - *College Algebra:* N/A
 - *Calculus:* N/A
- **Reading:** Level 4 on English/Language Arts

• **ALEKS PPL**

- **Mathematics**
 - *Quantitative Reasoning:* 30 or higher
 - *College Algebra:* 46 or higher
 - *Calculus:* 76 or higher

WKU emphasizes placing students in first-year courses according to their college readiness needs and declared major upon entry. Students placing into two or more supplemental courses (mathematics, reading, and writing) will be required to participate in an academic assistance program.

College Readiness Standards Placement

The College Readiness Standards are implemented through placement exams or unweighted high school GPA that provide academic advisors the additional information necessary to place students in supplemental or co-requisite courses as needed for academic success. Additional information is available on the placement exams website (<https://www.wku.edu/getready/placement-exams.php>).

The following placement exams are accepted at WKU (COMPASS, ACCUPLACER, KYOTE, WKU's Math Placement Exam, GED College Readiness, PARCC, ALEXS PPL, and Smarter Balanced).

Student in need of an Accuplacer for English and Reading placement can register for an exam using the following instructions:

FOR WKU DELO Testing in Bowling Green: Call 270-745-3628 to schedule.

FOR OFF-SITE TESTING: Administration fees vary based on testing location. For scheduling at an approved Accuplacer Remote Network testing location, please call 270-745-3628 or email testing-center@wku.edu. For scheduling at one of the WKU Regional campuses: Glasgow: Call 270-861-6969 | Owensboro: Call 270-745-5095 | Ft. Knox: Call 270-745-2626

FOR OFF-SITE TESTING LOCATION AVAILABILITY: Call 270-745-3628 and speak with a DELO Testing Staff member to review your Accuplacer Network Testing options. Testing fees vary based on testing location.

FOR VIRTUAL REMOTE TESTING VIA EXAMITY: Submit one of the following forms - Accuplacer Next Generation Reading Exam for Reading Placement (<https://app.geckoform.com/public/#/modern/22F0001fq8hyli00bvyn96lx43?field442=Accuplacer%20Reading>), Accuplacer Next Generation Writing Exam for English Placement (<https://app.geckoform.com/public/#/modern/22F0001fq8hyli00bvyn96lx43?field442=Accuplacer%20English>), Accuplacer Next Generation Reading and

Writing Exams (<https://app.geckoform.com/public/#/modern/22F0001fq8hyli00bvyn96lx43?field442=Accuplacer%20English%20and%20Accuplacer%20Reading>)

Retest Registration Instructions: Retests are at the testing candidate's expense. Testing at DELO Testing and WKU Regional Campuses retest fee will be \$10; Off-site testing locations will be \$10 plus the administration fee charged by the testing facility; Testing with Examity, retest fee will be \$20. The testing candidate MUST wait two weeks before completing a retest. The students may only complete two retests. To pay the retest fee visit: <https://www2.registerblast.com/wku/Exam/List> (<https://www2.registerblast.com/wku/Exam/List/>).

Students in need of a Math Placement Exam must work with the Math Testing Center prior to or after TOP to schedule a Math Placement Exam. For Math placement, students are permitted one retake of the Math Placement Exam (MPE once) during a one-year period. MPE retakes are administered by WKU's Mathematics Testing Center (270-745-2141) or by WKU's DELO Testing Centers (<http://www.wku.edu/testing/>).

Effective Fall 2019, all test scores expire for placement purposes four (4) years after the original test date.

Students may contact the WKU Testing Center at 270-745-3159 for more information on scheduling placement exams.

Supplemental or Co-Requisite Courses

For students who do not meet the required College Readiness Standards, supplemental or co-requisite courses are required. Supplemental/co-requisite courses are credit-bearing courses that count toward graduation and are calculated in the GPA. These courses may require additional class meetings each week (enhanced) or be a separate class. For supplemental course information, refer to the course placement website (<https://www.wku.edu/getready/course-placement.php>).

The following supplemental courses are available at WKU:

Code	Title	Hours
English		
ENG 100E & ENG 105	Introduction to College Writing and Supplemental Writing Lab	5
Mathematics (enhanced as noted in course scheduling system)		
MA 109C	General Mathematics	3
MATH 112	Problem Solving and Mathematical Skills for Teachers (Note: Certain sections of MATH 112 are restricted based on test scores)	3
MA 115C	Applied College Algebra	3
MA 116C	College Algebra	3
MA 115C & MATH 105	Applied College Algebra and Corequisite Support for Algebra	4
MA 116C & MATH 105	College Algebra and Corequisite Support for Algebra	4
MATH 123 & MATH 105	Mathematical Applications for Business and Corequisite Support for Algebra	4
Reading		
IDST 199	University Learning	3

Topper Orientation Program

Owen Posey

Coordinator, Campus Visits & Events

Potter Hall, Room 119

Phone: (270) 745-4242

Website: <https://www.wku.edu/top> (<https://www.wku.edu/top/>)
<https://www.wku.edu/toponline> (<https://www.wku.edu/toponline/>)

The Topper Orientation Program (TOP) is a required orientation for all new degree-seeking undergraduate students attending WKU. TOP helps new students become familiar with WKU, take placement exams, learn about campus programs and activities, meet with an academic advisor, and register for classes. An optional parent and guest program runs simultaneously on most TOP dates for parents and guests of students who attend. Students must be officially admitted to the university to be eligible to register for TOP. Once admitted, students will receive information via email from TOP on how to schedule a date. *There is a non-refundable fee for students and guests.*

Freshman TOP is a one-day orientation that takes place on WKU's main campus in Bowling Green. All first-year students are required to participate throughout the one-day program to be registered for classes. Students who arrive late or leave early must reschedule for another date. A variety of fall semester TOP dates are available in April, May, June, July, and August. Students planning to begin coursework in the spring semester may attend the program in late January. TOP dates are available on a first come, first served basis, and reservations must be made online at least four business days before the preferred date. Reserve space early as dates often fill to capacity.

TOP Online is a required program for transfer students with at least 24 earned hours from another accredited post-secondary institution. TOP Online provides information regarding what to expect as a transfer student. This includes policies, procedures, academic departments, student services, and more. All transfer students are **required** to complete TOP Online in order to register for classes. Once students have successfully completed the TOP process, they are able to contact an advisor and receive assistance with choosing and registering for classes via phone, email, or in person.

Students planning to attend a **regional campus location** (Elizabethtown / Ft. Knox, Glasgow, or Owensboro) are not required to participate in the programs above. Please contact your regional campus location for registration details.

An additional required orientation for newly enrolled **international students** is conducted by the Office of Global Learning and International Affairs. Contact iso@wku.edu for additional information.

Please visit <https://www.wku.edu/top> (<https://www.wku.edu/top/>) or <http://www.wku.edu/toponline> (<http://www.wku.edu/toponline/>) for more information on these programs. You may also contact us at (270) 745-4242 or top@wku.edu.

Advising and Career Development Center

Christopher Jensen, Assistant Vice President for Student Success

Downing Student Union, 2nd Floor - Room 2001 & 2141

Phone: (270) 745-5065, Fax: (270) 745-5421

Website: <http://www.wku.edu/acdc>

The Advising and Career Development Center (ACDC) is one of the most visible examples of WKU's investment in undergraduate student success. Housed in the Downing Student Union, the ACDC provides academic advising, retention services, learning resources, and career development services to support student success and persistence to graduation. The ACDC places a strong emphasis on undergraduate advising, including specialized services for transfer students, those exploring majors, and those in transition, while also offering free tutoring and programs to help undergraduate students be independent and successful learners. Training is also offered for academic advisors through the center.

Advising

Marrissa Bryant, Associate Director of Academic Advising

Downing Student Union, 2nd Floor - Room 2001 & 2141

Phone: (270) 745-5065

Website: <http://www.wku.edu/advising> (<https://www.wku.edu/advising/>)

The Advising and Career Development Center (ACDC) academic advisors are knowledgeable about every undergraduate program offered on the WKU campus. The center coordinates academic advising activities among undergraduate and academic departments for undergraduate students. All degree-seeking undergraduate students must meet with an academic advisor prior to registering for classes each semester. The academic advisor assists the student in the selection of courses that will provide appropriate preparation for career objectives and assures timely completion of degree program requirements. Academic advisors at WKU will also provide guidance regarding academic resources, internship possibilities, and key information for student success while working toward graduation.

Generally, students with fewer than 60 hours of college credit, including transfer students, will be assigned an academic advisor from the ACDC who works closely with the academic colleges. Students with a declared major and 60 hours or more will be assigned an academic advisor from the academic department that administers their specific program of study. Students can find their academic advisor's contact information on TopNet by clicking the Student Services tab – Registration – View Advisor Information, or by contacting the ACDC at (270) 745-5065.

The Exploratory Program

The Advising and Career Development Center (ACDC) specifically serves undergraduate students who have not selected a major and are exploring their options. The Exploratory Program academic advisors and/or career team lead students on a path of self-discovery, as they work to identify areas of interest, individual strengths, and career goals that align with one or more academic areas of study. Students are enabled to explore the wide array of majors and minors WKU has to offer and make well-informed decisions regarding their academic and career options. Students who utilize this program also cultivate non-academic, executive-functioning skills to support persistence to graduation.

An undergraduate student who has not selected a major (an Exploratory student) is advised by an academic advisor within the ACDC and can continue as an Exploratory student until reaching up to 60 credit hours. A student can be general Exploratory or Exploratory within one of the academic colleges.

Best Expectation Programs (BEP)

Heather Stuart, Assistant Director of Retention Programs

Downing Student Union, 2nd Floor - Room 2141

Phone: (270) 745-2327

Email: bep@wku.edu

Website: <http://www.wku.edu/bep> (<https://www.wku.edu/bep/>)

The Best Expectation Program (BEP) supports students on Academic Probation through structured workshops and meetings. BEP team members collaborate with students to identify realistic academic goals, as well as address other academic and non-academic concerns. BEP also provides students with resources and gives them the opportunity to connect with team members, peers, and campus partners. Ultimately, the efforts of BEP will encourage student persistence and assist students in successful degree completion at WKU.

The Learning Center (TLC)

James McKnight, Academic Advisor of The Learning Center

Downing Student Union, 1st Floor - Room 1082

Phone: (270) 745-5065

Email: tlc@wku.edu

Website: <http://www.wku.edu/tlc>

The Learning Center (TLC) is a service division within the Advising and Career Development Center (ACDC). TLC promotes student success, enhances student performance, and increases student persistence at WKU. TLC helps students become better learners by providing tutoring, workshops, and outreach services. All services of TLC are offered at no cost to WKU students. Students may utilize the study space for individual study needs, use the computers to complete academic coursework, or request a tutoring appointment for assistance with difficult course concepts. TLC also facilitates Peer Assisted Study Sessions (PASS) for students enrolled in challenging courses. PASS consists of bi-weekly group study sessions to reinforce key concepts and promote independent learning.

The ACDC encourages students to utilize these services as a source of academic support. TLC helps students enhance their academic performance and sharpen their skills to successfully graduate from WKU.

Transfer Center

Jarrett Murphy, Assistant Director of the Transfer Center

Downing Student Union, 2nd Floor - Room 2135

Phone: (270) 745-2178

Email: transfer@wku.edu

Website: <http://www.wku.edu/transfer>

The Transfer Center is a service division within the Advising and Career Development Center (ACDC). The mission of the Transfer Center is to assist prospective transfer students in completing the transfer process and enrolling in baccalaureate and associate degree programs on all WKU campuses. The Transfer Center serves incoming and prospective transfer students by providing them with course articulation and academic advising. The Transfer Center works with students from all institutions to provide accurate academic advising to ensure an easy transition to WKU and timely completion of their degree. In addition to helping students, the Transfer Center serves as a contact and support center for faculty and staff at WKU for all things related to transfer. International transfer students are encouraged to visit International Student & Scholar

Services on the 3rd floor of the Dixie and Peter Mahurin Honors College/ International Center or email iss@wku.edu.

Additional information on transfer policies is available in the Academic Information section of this catalog entitled "Transfer of Credits."

WKU's Transfer Center website (<http://www.wku.edu/transfer> (<https://www.wku.edu/transfer/>)) also provides excellent information, including course-by-course transfer equivalency articulations.

Career Development

Downing Student Union, 2nd Floor - Room 2001

Phone: (270) 745-3095

Website: <http://www.wku.edu/career> (<https://www.wku.edu/career/>)

The Advising and Career Development Center (ACDC) helps students and alumni identify and reach their career and employment goals. The career team assists in preparing students for an ever-changing job market through resume and cover letter reviews, mock interviews, and current event presentations. The center also assists students in gaining real world experience by helping them find internships and practical work experience. Students are able to seek employment opportunities through Handshake, an online employment management software, and network with potential employers at job fairs and events offered throughout the academic year. Furthermore, the career team is available to help students who choose to pursue graduate or professional school by assisting with the graduate school application process and interview preparation.

All students are encouraged to utilize the career development services offered throughout their entire WKU experience in order to be prepared for their post-education experience.

Registration and Student Academic Records

Dr. Jennifer Hammonds, University Registrar

Potter Hall, 2nd Floor

Phone: (270) 745-3351; Fax: (270) 745-4830

Email: registrar@wku.edu

Website: <http://www.wku.edu/registrar> (<http://www.wku.edu/registrar/>)

The Office of the Registrar provides a variety of academic services to the university community.

Degree Certification and Commencement

The Office of the Registrar is responsible for determining all degree requirements have been met.

Two commencement ceremonies are held annually. A May ceremony recognizes students who complete all degree requirements at the end of the spring semester or who demonstrate all requirements can be fulfilled during the summer term. A ceremony is held in December for students who complete all degree requirements at the end of the fall semester.

Enrollment Verification

The Office of the Registrar provides enrollment verification services to students and external agencies.

Name and Address Changes

Biographical / demographical information about each student is collected and updated through this office. It is the responsibility of each student to keep the Office of the Registrar informed of the correct local, permanent

and billing address; changes may be made on-line through TopNet. A name change will be processed based on the marriage certificate, divorce decree, court order, birth certificate, and / or passport that verifies the correct name; changes must be submitted in writing to this office.

Registration

Registration services and drop/add activities are available through TopNet. TopNet, which is accessed using a Net ID or WKU ID and password, can also be used to access the student's class schedule and to obtain grades at the end of each term. Details regarding registration policies and procedures are published in the Registration Guide each term and are available on the Office of the Registrar website at <http://www.wku.edu/registrar> (<http://www.wku.edu/registrar/>).

Student Academic Records

The Office of the Registrar is the permanent repository for the official academic record of each student. Online access to academic records is secured through the use of a Net ID or WKU ID and password and in accordance with the Family Educational Rights and Privacy Act. Electronic academic records are backed up nightly, and all permanent academic records created prior to 1990 are backed up with both microfilm and digital imaging. Official transcripts are released only upon written request from the student. Information about transcript requests is available on the Office of the Registrar website at http://www.wku.edu/registrar/transcript_request.php. A \$10.00 fee is charged for an official transcript.

Expenses and Fees

Office of the Bursar

Potter Hall, Room 208

Phone: (270) 745-6381; Fax: (270) 745-6584

Email: billings.receivables@wku.edu

Website: <http://www.wku.edu/bursar> (<http://www.wku.edu/bursar/>)

Ms. Susan Howarth, Executive Vice President for Strategy, Operations, and Finance

Potter Hall, Room 435

Phone: (270) 745-2434

Classification	Full-Time	Summer Term, Winter Term and Part-Time Per Credit Hour
Resident	\$5,556.00	\$463.00
Military Veteran/Dependent Resident	\$5,556.00	\$463.00
Non-Resident (Domestic)	\$13,500.00	\$1,125.00
International	\$13,824.00	\$1,152.00
Tuition Incentive Program		
Undergraduate	\$7,068.00	\$589.00
Distance Learning Course		
Undergraduate (Note A)		\$551.00
Active Military (Per Credit Hour)		\$250.00

Full-time students are undergraduates who enroll in 12 hours or more of coursework during Fall and Spring terms. The full-time tuition rate applies

to undergraduate students taking 12-18 credit hours (either exclusively on-campus or a combination of on-campus and distance learning). Full-time undergraduate students will be assessed an additional per credit hour fee equivalent to the per hour tuition rate for course loads exceeding 18 hours a semester.

Note A: The Distance Learning course rate is for all part-time students, regardless of residency, enrolling in on-line, web-based courses. Students enrolled exclusively in distance learning courses will be assessed the distance learning per hour rate regardless of the number of hours enrolled. There is no full-time distance learning rate.

Included within the above rates are a \$218 Student Athletic Fee, \$62 Student Centers Fee, \$70 Dero Downing Student Union renovation fee, and \$30 Parking Structure Fee, Creason. The fees are prorated to part-time undergraduate students on a per hour basis. These fees do not apply to the Distance Learning rates.

***Quoted tuition and fees are subject to change by the Kentucky Council on Postsecondary Education or Western Kentucky University. Refer to the Tuition and Fees website at <http://www.wku.edu/bursar> for current rate information.**

Other Expenses (Per Semester)

Meals

(Approximately) \$1,727 - 2,340

WKU has numerous eating facilities available. See the section on food service facilities for more information on food services and meal plans.

Textbooks/Course Materials

From delivering affordable content through Blackboard to complete choice of rental books, eBooks, or new and used materials, the WKU Store offers all the options and has worked closely with your faculty to determine which materials are required and recommended. The WKU Store offers all formats, specializing in affordable used books and custom, non-traditional formats.

Visit <http://www.wkustore.com> (<http://www.wkustore.com/>) to determine your course material needs or to reserve your course materials in advance via the WKU Store Textbook Reservation Program. Reserving your course materials allows for easy pick-up when you arrive back on campus or shipping directly to you. In-store or online, The WKU Store is your best choice for affordable options and a guarantee that you receive the exact materials required by your instructor.

Personal

Students should also make budget allowances for miscellaneous personal expenses and travel that will vary greatly depending upon individual habits and needs but are estimated to range from \$300 to \$600 per semester.

Rooms Per Semester

Throughout our 16 residence halls are a variety of living options including community bath, suite-style rooms and rooms with private baths. The majority of rooms in the residence halls are designed for double occupancy. The cost for these rooms for the 2022-2023 academic year ranges from \$2,734 to \$4,046 per semester. Rates are per student, double occupancy.

On-campus housing is also available for summer term. Rates will be set at a double occupancy rate per person for each week in residence,

and will be available on our summer housing website in April prior to the summer term.

Please contact the Department of Housing and Residence Life for additional information or visit their website at <http://www.wku.edu/housing> (<http://www.wku.edu/housing/>).

Program Expenses in College of Health and Human Services

Students enrolled in the College of Health and Human Services programs should consult with the appropriate department / school about potential expenses required for program completion; for example, some students may be required to undergo criminal background checks and drug testing and to provide proof of health insurance, liability insurance and/or immunization records prior to participating in any required experiences at selected off-campus facilities/agencies. Additionally, there may be certifications, training seminars or other requirements specified by the facility/agency that a student must meet in order to be eligible for field or practical experiences at the facility. It is the responsibility of the student to ensure that all institutional and/or facility requirements are met as a condition of participating in the on- or off-campus experiences; students may be responsible in part or in full for any costs incurred to meet such requirements. Students are also responsible for transportation to and from off-campus experiences. In some CHHS programs, the students are responsible for rental fees for clinical instruments and supplies, purchasing uniforms, equipment and possible course and program fees above the regular tuition. (For example, a per semester program fee will be assessed to students enrolled in the BSN pre-licensure program.) At the completion of the program, students may also be responsible for fees related to national and regional licensing exams. These requirements vary across programs within the college.

Course Fees

Occasionally, an additional fee is charged to a specific course. Refer to the Course Fees chart on the Tuition and Fees Website at <http://www.wku.edu/bursar/coa.php> for specific courses and related fees.

Schedule Change Fee

A \$50 schedule change fee will be assessed per course for student-initiated schedule changes. Effective dates for the fee are printed in each term's Registration Guide available online at <http://www.wku.edu/registrar> (<http://www.wku.edu/registrar/>).

Late Registration Fee

Students who register for classes beginning the first day of a term will be assessed a \$50 late registration fee.

Fees for Auditing Courses

All students who audit a course are charged the same tuition and fees they would pay if they took the course for credit.

Application for Graduation Fee

Candidates for the associate and baccalaureate degree will be charged a fee of \$50. This fee will cover the cost of cap and gown, diploma and other necessary expenses. The graduation fee must be paid and the Application for Graduation must be filed after 90 hours are earned for baccalaureate degree students and after 45 hours are earned for students pursuing associate degrees. Candidates for a certificate will be charged a fee of \$15. Contact the Office of the Registrar at registrar@wku.edu or (270) 745-3351 for additional information.

Transcript Fee

A \$10.00 fee is charged for an official transcript. Official transcripts may be ordered through the Office of the Registrar; additional information is available at: http://www.wku.edu/registrar/transcript_request.php.

Parking and Transportation Services

578 Campbell Lane

270-745-2361

<https://www.wku.edu/transportation/> or transportation@wku.edu

Parking and Transportation Services issues parking permits for vehicles on campus and provides a variety of additional transportation services. Free Topper Transit is available between locations on Main Campus, South Campus, and to various off-campus shopping destinations. PTS also provides disability para-transit services, Nextbus arrival information, airport shuttle service, discounted GO bg city bus passes, bicycle racks throughout campus, motorcycle parking, and ride matching services.

PTS encourages students to leave their cars at home as parking on Main Campus is limited. If you do have a car on campus, you will need to buy a permit. All parking lots are zoned for specific permits. Housing permits are for students living in a residence hall on campus. Commuter Permits are for students living off-campus. You will park in the zone that matches your permit. Permits may be ordered online at www.wku.edu/transportation/ (<http://www.wku.edu/transportation/>). Main Campus permits are limited and sold on a first come, first served basis. A waitlist will be available for each lot after that permit sells out. Please follow us on Facebook, Twitter, and YouTube.

Fee Payment

All tuition, housing fees, course or laboratory fees, meal charges, and other assessments are due and payable in accordance with the statements rendered by the appropriate university office.

Tuition, housing fees, meal plans and other student charges must be paid on the date a student registers or on other dates as specified by the Office of Billings and Receivables. Payment of fees will not be deferred, unless the student participates in one of the approved payment plans as described below.

The University expects the students to be financially responsible and not be delinquent in financial obligations to the University or to any department or division of the University. **If a student registers and decides not to attend, the student must withdraw from all classes prior to the first day of classes on TopNet or by notifying the Office of the Registrar in writing to ensure that the student will not owe tuition and late payment fees and receive "F" grades. The student is responsible for his or her own enrollment status.** A student who fails to meet a financial obligation by the due date of the notice from the appropriate university official will be subject to regulations promulgated by the University. If the student does not settle the obligation by the date designated on the notice, the appropriate business office shall notify the University Registrar. After the University Registrar has been notified that a student is delinquent, the University Registrar shall not allow the student to register or to obtain an official transcript or diploma until the University Registrar has been notified that the obligation has been settled.

The University expects all students to register for classes and pay tuition prior to the first day of class. A late payment charge of \$100 may be assessed for failure to pay by the designated due date. **Failure to receive a bill does not relieve the student of the obligation to pay tuition and fees by the due date.** The University does not mail printed billing statements. All billing is electronic with students receiving notifications through their

university-assigned e-mail addresses. As an added service, students can also select a billing e-mail address via TopNet so they can have their account statements sent to an additional e-mail address.

In the event that any tuition, fees and/or expenses are not paid when due, and the University undertakes collection of any unpaid portion, the student shall also be assessed and be responsible for any collection costs and/or fees associated with the collection of the debt including but not limited to: collection agency fees, which may be based on a percentage at a maximum of 33.3% of the debt, reasonable attorney's fees, court costs and all other charges allowed by law. Delinquent accounts receivable are placed with a collection agency and/or the Kentucky Department of Revenue and collection fees will be added, increasing the amount owed. Accounts will also be reported to the National Credit Bureaus.

Payment Options

Careful financial planning is crucial to affording college today. Western Kentucky University knows the importance of providing options that will help conveniently manage education expenses.

If you need additional assistance or wish to contact the University about payment options, please contact the WKU Billings and Receivables Office at (270) 745-6381 or via email at billings.receivables@wku.edu. Additional information is located at [wku.edu/bursar](http://www.wku.edu/bursar) (<http://www.wku.edu/bursar/>).

The below information provides the different payment options available at Western Kentucky University, including monthly payment plan options and credit card options (with a convenience fee) administered for us by Nelnet Campus Commerce.

1. Payment using cash, check or money order.

- In person, at the WKU Office of Billings and Receivables, Room 208 Potter Hall.
- Mail check payments to the university's bank-processing center at: Western Kentucky University, P.O. Box 890784, Charlotte, NC 28289-0784.
- Payments being sent by overnight/express (such as Fed-Ex, etc.) should be sent directly to: Billings and Receivables Office, Western Kentucky University, 1906 College Heights Blvd #11022, Bowling Green, KY 42101-1022.
- Mail the bottom portion of your invoice with your check or money order. Please make sure your student identification number is written on the check or money order. Always allow at least seven to ten business days when paying by mail. Please do not mail cash.
- Payments must be made in US dollars drawn on a US bank. All checks should be made payable to: Western Kentucky University.

2. Payment using Credit Cards or Electronic Payments from Checking or Savings Account

- Login to TopNet (https://acsapps.wku.edu/pls/prod/twbkwbs.P_WKULogin/?ret_code=5) and select the Student Services tab, click on Pay Tuition and Fees and then select Pay Now.
- Pay online at [wku.edu/bursar](http://www.wku.edu/bursar) (<https://www.wku.edu/bursar/>) and select 'Make a Payment Online'.
- Visa®, MasterCard®, Discover® and American Express® are accepted.
- If you choose to use a credit card, a fully disclosed processing fee of approximately 2.85% of the amount of payment will apply. (Fee covers administrative expenses and is not shared with WKU.)

- Free electronic debit from checking or savings is available.
- Because of high service and processing costs, the Billings and Receivables Office at WKU does not accept credit cards as a method to pay student account charges such as tuition, fees, room and board. We believe the savings realized by the University can be better utilized for academic endeavors. Credit cards will continue to be accepted at campus locations other than the Billings and Receivables Office.

3. Payment Plans

Western Kentucky University offers interest-free monthly payment plans through our partnership with Nelnet Campus Commerce. Students and their parents have the option of choosing a semester payment plan for the current semester in which the student is enrolled. Payment plans are not available for the winter or summer terms.

For the **Fall 2022 semester**, we will offer the following interest-free payment plans.

5-pay – Payments due June 1, July 1, August 1, September 1, and October 1.

4-pay – Payments due July 1, August 1, September 1, and October 1.

3-pay – Payments due August 1, September 1, and October 1.

2-pay – Payments due September 1 and October 1.

For the **Spring 2023 semester**, we will offer the following interest-free payment plans.

5-pay – Payments due November 1, December 1, January 1, February 1, and March 1.

4-pay – Payments due December 1, January 1, February 1, and March 1.

3-pay – Payments due January 1, February 1, and March 1.

2-day – Payments due February 1 and March 1.

- *\$45 enrollment fee per semester. Additional charges may apply. Please refer to your payment plan's Terms and Conditions during enrollment.*
- *To enroll, log in to TopNet (https://acsapps.wku.edu/pls/prod/twbkwbis.P_WKULogin/?ret_code=5) and select the Student Services tab, click on Pay Tuition and Fees and then select Pay Now.*
- *Automatic monthly payments from either a credit/debit card or checking/savings account are required.*
- **Students:** *If someone is paying on your behalf, you MUST first set them up as an Authorized Payer.*
- *Once your profile is set up, you can enroll in a payment plan, make a payment, or set up an authorized payer who can create a plan for your balance.*
- **Authorized Payers:** *If you are paying on behalf of the student, the student MUST set up their account first and then add you as an Authorized Payer.*
 - *If you have used Nelnet before, simply Sign in to manage your account.*
 - *If you are new to Nelnet, click on the "Create a username & password" button to create an online account.*

4. Depository (Drop Box)

Your payment may be placed in one of our two depository boxes. During regular business hours, you may place your payment in the depository box located next to the Billings Office payment window on the 2nd floor of Potter Hall. If you cannot make it during regular business hours, the other box is located outside of the second floor entrance of Potter Hall.

The depositories are emptied daily. Always include the bottom portion of your e-bill invoice statement with your check or money order when using the depository. It is important that your student identification number is written on the check or money order. Please allow two to three business days for depository payments to post to your account. Please do not place cash in the depository.

5. International Payments (Flywire)

Western Kentucky University has partnered with Flywire to offer an innovative and streamlined way to make a payment from your home country. Founded by a former international student, Flywire's mission is to save money for international students and their families that would otherwise be lost on bank fees and unfavorable foreign exchange rates.

With Flywire, international students receive the following benefits:

- excellent foreign exchange rates, allowing payments to be made in a student's home currency (generally).
- payment tracking through the transfer process via a student dashboard.
- email confirmation when payment is received by the school.
- fast and secure payments.
- assurance that the exact payment amount sent is the same amount received by the University (no hidden bank fees).
- options may include bank transfer, debit/credit card in your home currency, electronic payment, or other local options.

To initiate a payment through Flywire, please visit <https://wku.flywire.com> (<https://wku.flywire.com/>).

Flywire Customer Support Information:

Phone: (617) 207-7076

US Toll-Free: 1-800-346-9252

Email: support@flywire.com

Web: <https://www.flywire.com/help> (<https://www.flywire.com/help/>)

No matter your time zone, Flywire will have a dedicated multilingual customer support team available to you via live chat, email and phone to answer any of your questions.

Refunds via BankMobile

Western Kentucky University has partnered with BankMobile to deliver refunds and student payroll funds to students. All refunds and student payroll funds are disbursed through BankMobile. For more information about BankMobile, visit this link: <http://bankmobiledisbursements.com/refundchoicessso/>.

To choose your university refund preference, sign in at my.wku.edu (<http://my.wku.edu/>) then click on BankMobile under Campus Information.

The University will not issue refund checks, so students must choose an option for receiving any refunds due to them. The funds are sent from the university to BankMobile who then disburses the refunds according to the choice the student has made. For questions about the refund process, please contact the Refund Office at (270) 745-5551 or email refunds@wku.edu.

Tuition and Fee Refund Policy

A refund of tuition shall be made if a student officially withdraws or is dismissed from the University during the first three weeks of a regular

semester. Tuition refunds or reductions in outstanding fee liabilities for students who officially withdraw through TopNet or the Office of the Registrar, or who change their status from full-time to part-time or further reduce their part-time status through drop/add, will be made according to the following schedules:

Fall and Spring Semesters

Official Withdrawal Period	Tuition Refund Percentage
Through first 6 days of classes	100%
From the 7th day of class through the end of the second week	50%
Through the end of the third week	25%
No refund after the third week of classes	

Fall and Spring Bi-Term Classes

Official Withdrawal Period	Tuition Refund Percentage
Through first 3 days of classes	100%
4th and 5th days of classes	50%
6th and 7th days of classes	25%
No refund after the 7th day of classes	

Fall, Spring, and Winter 5-Week Session

Official Withdrawal Period	Tuition Refund Percentage
Through first 3 days of classes	100%
4th day of classes	50%
5th day of classes	25%
No refund after 5th day of classes	

Winter 3-Week Session

Official Withdrawal Period	Tuition Refund Percentage
Through first 2 days of classes	100%
3rd day of classes	50%
No refund after the 3rd day of classes	

Winter 2-Week Session

Official Withdrawal Period	Tuition Refund Percentage
Through first 2 days of classes	100%
3rd day of classes	50%
No refund after the 3rd day of classes	

Summer 13-Week Session

Official Withdrawal Period	Tuition Refund Percentage
Through first 5 days of classes	100%
6th through 8th days of classes	50%
9th through 12th days of classes	25%
No refund after the 12th day of classes	

Summer 8-Week Session

Official Withdrawal Period	Tuition Refund Percentage
Through first 3 days of classes	100%
4th and 5th days of classes	50%
6th and 7th days of classes	25%

No refund after the 7th day of classes

Summer 7-Week Session

Official Withdrawal Period	Tuition Refund Percentage
Through first 3 days of classes	100%
4th and 5th days of classes	50%
6th and 7th days of classes	25%
No refund after the 7th day of classes	

Summer 6-Week Session

Official Withdrawal Period	Tuition Refund Percentage
Through first 3 days of classes	100%
4th day of classes	50%
5th day of classes	25%
No refund after the 5th day of classes	

Summer 5-Week Session

Official Withdrawal Period	Tuition Refund Percentage
Through first 3 days of classes	100%
4th day of classes	50%
5th day of classes	25%
No refund after the 5th day of classes	

Summer 4-Week Session

Official Withdrawal Period	Tuition Refund Percentage
Through first 3 days of classes	100%
4th day of classes	50%
No refund after the 4th day of classes	

Summer 3-Week Session

Official Withdrawal Period	Tuition Refund Percentage
Through first 2 days of classes	100%
3rd day of classes	50%
No refund after the 3rd day of classes	

- The refund percentage is applied to the number of credit hours dropped, not the dollar amount of tuition and fees assessed.
- Course fees are non-refundable after the 100% refund period.
- The refund policy is subject to change based upon federal regulations or by Western Kentucky University without prior notice.

Financial Assistance

W. Bryson Davis, Director
 Department of Student Financial Assistance
 Potter Hall, Office 300
 Phone: (270) 745-2755
 Email: fa.help@wku.edu
 Website: <http://www.wku.edu/financialaid/>

The Department of Student Financial Assistance is dedicated to assisting academically capable students with sufficient resources to enable them

to meet their educational costs. The major purpose of financial aid is to supplement, rather than to replace, family and student resources.

The Financial Aid Programs listed below require the student to make satisfactory academic progress toward a degree.

Type of Aid	Qualifications	Required Forms
Grants		
College Access Program (CAP)	U.S. Citizen, Kentucky Resident, Minimum of 6 Hrs., 1st Undergraduate Degree, Financial Need	Free Application for Federal Student Aid (FAFSA)
Federal Supplement Educational Opportunity Grant (SEOG)	U.S. Citizen, Pell Grant, High Need, Minimum of 6 Hrs., Priority given to F/T students	Free Application for Federal Student Aid (FAFSA)
Federal Teacher Assistance for College and Higher Education Grant (TEACH)	U.S. Citizen, eligible for admission to WKU Teacher Education Program, minimum GPA of 3.25, sophomore, minimum of 1 hour	Free Application for Federal Student Aid (FAFSA)
Loans		
Federal Perkins Loan	U.S. Citizen, Minimum of 6 Hrs., Priority given to most needy F/T Undergraduate Note: Limited funding; program is being discontinued.	Free Application for Federal Student Aid (FAFSA)
Federal Direct Stafford Loan (subsidized)	U.S. Citizen, Minimum of 6 Hrs., Need based	Free Application for Federal Student Aid (FAFSA)
Federal Direct Stafford Loan (unsubsidized)	U.S. Citizen, Minimum of 6 Hrs., Non-need based	Free Application for Federal Student Aid (FAFSA)
Federal Direct Parent Loan for Undergraduate Students (PLUS)	U.S. Citizen, Non-need based	Free Application for Federal Student Aid (FAFSA) Separate Application
Federal Direct Grad and Grad Plus	U.S. Citizen, Non-need Based	Free Application for Federal Student Aid (FAFSA). Separate Application.
Student Employment		
Federal College Work-Study Program	U.S. Citizen, Need based, Minimum of 6 Hrs.	Free Application for Federal Student Aid (FAFSA)
America Reads Program	America Reads Eligibility, U.S. Citizen Need based, Minimum of 6 Hrs.	Free Application for Federal Student Aid (FAFSA)
Community Service Program	U.S. Citizen, Need based, Minimum of 6 Hrs.	Free Application for Federal Student Aid (FAFSA)
Institutional Work Program	Non-need based	Free Application for Federal Student Aid (FAFSA)

The FAFSA is available at <https://studentaid.gov/>.

Application Priority Filing Dates

Fall Semester - As soon after October 1 as possible

Spring Semester - October 25

Summer Term - March 20

Winter and Summer Financial Aid

Limited funds are available for winter intercession and summer sessions in the areas of grants, loans and student employment. Students will be notified of eligibility by the Department of Student Financial Assistance after registering for their classes and will be notified via email of their award. With regard to winter term, aid will be tied to spring term for financial aid purposes.

Payments of Awards

Financial aid awards are normally made on an academic year basis conditional with fulfilling academic and registration requirements. Financial aid is disbursed after the 100% drop/add period for each semester and is applied directly to tuition and fees, housing, meal plans and any other applicable charges. Awarded amounts in excess of institutional charges are made payable to the WKU Debit Card. Student employment wages are distributed every two weeks via the WKU Debit Card.

All first-time Stafford Loan recipients are required to complete an entrance counseling session and Master Promissory Note (MPN) prior to their loan funds being disbursed and an exit counseling session prior to graduation or withdrawing from the University. This can be done online at <http://studentaid.gov> (<http://studentaid.gov/>); under Complete Aid Process.

Renewal Procedures

Financial aid awards are calculated on current financial information. Therefore, a new FAFSA must be filed each year. Students may apply online at <http://studentaid.gov> (<http://studentaid.gov/>); under Apply For Aid. Students will need an FSA ID in order to sign their FAFSA electronically. Apply for a FSA ID at <https://studentaid.gov/fsa-id/create-account/launch> (<https://studentaid.gov/fsa-id/create-account/launch/>).

Academic Eligibility and Financial Aid

In the event that satisfactory academic progress is not maintained, financial aid funds must be withheld. If satisfactory academic progress has been re-established after successful completion of a semester, winter intercession or summer session, the student may be considered for re-evaluation for financial aid. A student on academic probation is not making satisfactory academic progress. The SAP policy may be viewed at: <https://www.wku.edu/financialaid/eligibility/sap-overview.php>.

Other Assistance Programs

Kentucky Educational Excellence Scholarship (KEES)

KEES is a program administered by the Kentucky Higher Education Assistance Authority. Kentucky high school students who earn 2.5 or better while in high school can qualify for KEES scholarship while enrolled in an institution of higher education. Students can retain this scholarship for 8 semesters while in college by maintaining the required GPA and remaining on track to graduate.

Dependents of War Veterans

Dependents and spouses of Kentucky Disabled War Veterans may be eligible for a Waiver of Tuition through the provisions of KRS 164:505-515 in any state-supported institution of higher education. Eligibility for the Waiver of Tuition may be determined by making application to:

Kentucky Department of Veterans Affairs
1111B Louisville Road
Frankfort, KY 40601

Veterans Educational Benefits

Most of the programs offered by Western Kentucky University have been approved by the Kentucky Approving Agency for Veterans Education for persons eligible to receive VA educational benefits. There are several categories of educational benefits for eligible students including Montgomery GI Bill, Chapter 30 (active duty), Chapter 33 (Post 9/11), Chapter 1606 (reserve/national guard), Chapter 35 (Dependents Educational Assistance Program), and Chapter 31 (Veteran Readiness and Employment VR&E). Questions regarding eligibility for Chapters 30, 33, 35, and 1606 educational benefits should be directed in writing to:

VA Regional Office
130 South Elmwood Ave
Buffalo, NY 14202

or by calling toll free (888) 442-4551. Chapter 31 questions should be directed to:

VA Regional Office
321 West Main St.
Suite 390
Louisville, KY 40202

or by calling (800) 827-1000. Contact the Veterans' Affairs Office at (270) 745-3732 for assistance in using/applying for these benefits at Western Kentucky University.

Vocational Rehabilitation

Students with a disability may qualify for assistance to help meet the costs of attending college. Students should apply for this aid through the nearest Vocational Rehabilitation Office to the student's hometown.

Note: The information presented here is accurate as of the date of publication. The University reserves the right to amend as necessary due to changes in federal, state, and/or institutional programs.

Academic Scholarships

Scholarship information indicated below pertains to the 2022-2023 academic year. Additional scholarship information can be found at <https://www.wku.edu/scholarship/>.

Beginning Freshmen

Scholarships are awarded based on academic achievement (GPA and for premier awards ACT/SAT scores), participation in extracurricular activities and leadership. To receive full consideration for University merit scholarships, students are encouraged to apply for admission to WKU and submit an official high school transcript and ACT/SAT score. Students can apply for additional scholarship opportunities at <https://www.wku.edu/topdollar/>.

Eligibility for the University's most prestigious award is the Cherry Presidential Scholarship. This scholarship is based on academic

achievement (3.8 unweighted GPA, 29 ACT) and a formal interview process. The Cherry Presidential Scholarship is renewable for up to four years or graduation, whichever occurs first.

Academic Merit awards are offered to qualifying students with a minimum 3.0 unweighted GPA. Academic Merit awards are renewable for up to four years or graduation, whichever occurs first. Additionally, only the \$8,000 Academic Merit requires a 28+ ACT score. Please visit <https://www.wku.edu/financialaid/scholarships/freshmen-2223.php> for more information on Academic Merit awards.

Scholarship awards are available for specific targeted groups. Additional information is available at <https://www.wku.edu/financialaid/scholarships/freshmen.php>.

Transfer Scholarships

Students with a minimum of 24 transfer hours from a regionally accredited institution and a minimum 3.0 cumulative GPA may qualify for WKU's Transfer Base Awards. Application information and deadlines can be found at <https://www.wku.edu/financialaid/scholarships/transfer.php>.

Returning Students

Students who are enrolled full-time at WKU may apply for an academic scholarship for the next academic year by applying online at <https://www.wku.edu/topdollar/>. The primary criterion is college academic achievement. For additional information, contact the Department of Student Financial Assistance, fa.help@wku.edu and 270-745-2755.

College Heights Foundation Scholarships

From the time the College Heights Foundation was chartered in 1923, its primary mission has been the administration of funds entrusted to its care by supportive alumni, corporations, organizations, and other friends for the purpose of helping deserving students obtain an education. CHF exists primarily to administer scholarships and aid worthy students enrolled at Western Kentucky University. The Foundation is governed by a Board of Directors made up of twelve prominent business and professional leaders who serve without remuneration. Dr. Donald Smith is President of the College Heights Foundation. It is a fully-qualified, tax-exempt organization under Section 501 (c) (3) of the Internal Revenue Code.

Please visit TOPDollar at <http://www.wku.edu/topdollar> (<http://www.wku.edu/topdollar/>), the WKU comprehensive scholarship source, to find out more about each of the scholarship funds, the donors who made them possible, and the way for current and potential students to apply for these private scholarship funds.

ROTC Scholarships

Students who are considering careers in the Army may be eligible to compete for two, three or four year scholarships offered through the Department of Military Science and Leadership. These scholarships pay for the following:

- 100% Tuition and fees
- Books - \$1200 a year
- Monthly stipend - \$420
- Room and board incentive possible for those who maintain a 3.0 GPA or higher

For further information contact Brandon Smith, GS Recruiting Operations Officer, Western Kentucky University Army ROTC at brandon.smith@wku.edu or call (270) 745-6054.

Those considering the Army ROTC and the Army National Guard, or Army Reserves, may be eligible for our Simultaneous Membership Program (SMP), which consists of:

- Tuition (50%-100%) – depending on branch of service (ARNG or USAR)
- Montgomery GI Bill (\$384)
- SMP Kicker (\$350)
- Drill Pay (E5) (\$329)
- ROTC Stipend (\$420)

For more information about KY National Guard contact Brandon Smith, GS Recruiting Operations Officer, Western Kentucky University ROTC at brandon.smith@wku.edu or call (270) 745-6054.

<https://www.wku.edu/rotc/> (<https://www.wku.edu/rotc/>)

<https://www.instagram.com/wkuarmyrotc/>

<https://www.facebook.com/WKUOTC/>

Senior Citizen Scholarships

Kentucky residents who are 65 years of age or older on or before the day the semester begins are granted Senior Citizen Scholarships for any college class in which they enroll for credit or to audit in accordance with KRS 164.284. For additional information, contact the Billings and Receivables Office at (270) 745-6381 or billings.receivables@wku.edu.

Border State Scholarship

Full-time, first-time freshmen who are residents of any state that borders Kentucky can attend WKU for the in-state tuition rate. This scholarship will lower the tuition cost by nearly 60% for most students, and students can still stack on other institutional scholarships to further reduce cost. Additional Information regarding the Border State Scholarship can be found at: <https://www.wku.edu/border/>.

Housing & Residence Life

Lana Kunkel, Director for Housing

Randall Farris, Director for Facilities

Blair Jensen, Associate Director, Housing & Residence Life

Doug Tate, Assistant Director, Housing & Residence Life

Nick Haight, Assistant Director, Housing & Residence Life

Southwest Hall

Phone: (270) 745-4359

Email: hrl@wku.edu

Website: <https://www.wku.edu/housing/> (<https://www.wku.edu/housing/>)

The Department of Housing and Residence Life, in partnership with the student and the university community, will provide a premier living/learning experience that promotes student success. We offer 15 residence halls with a variety of living options to accommodate the needs and preferences of our student population. Several of the amenities include the following: local television stations, Internet connections and wifi capability in each bedroom, and laundry facilities in each hall. Apartment living is also available to juniors, seniors, graduate students

and married students/students with children. Visit the website for more information.

Leadership is provided in each hall by live-in professional staff members. Additionally, community advisors, resident assistants, and desk assistants work to provide services in the halls that include a 24-hour information/security desk operation.

Required Housing Policy

All full-time undergraduate students are required to live on campus for two years. Students who have not lived on campus for two years who choose to live off campus will be charged the lowest residence hall rate that HRL offers. Exceptions to this policy are available and may be reviewed at our website - <https://www.wku.edu/housing/apply/requirement-exemptions.php>. Requests for exemption can be submitted online in the Housing Portal.

Housing Application and Fee Payment

A \$75.00 housing application fee is required to file this Contract. This fee is a one-time payment for applicants new to WKU Housing. Returning students continuing in housing for the next academic year through completion of a housing renewal application are not required to pay another fee. The fee does not apply toward the semester housing fee or other University obligations. The application fee is non-refundable.

Students who submit a Residence Hall Housing Application prior to the first day of classes for either fall or spring semester will be billed their appropriate housing fee by the business office. Payment must be made in full by the date specified on the bill.

Students who submit a Residence Hall Housing Application on or after the first day of classes for either the fall or spring semester agree to submit the \$75 application fee to the Department of Housing and Residence Life. The full semester, prorated semester, or full bi-term housing fee is also payable at the business office at the time the Housing Agreement is submitted and accepted.

Cancellations and Refund Policy

Cancellation Before the Beginning of the Academic Year or Spring Only Semester:

Written notice of cancellation must be made to the Department of Housing & Residence Life in order to avoid housing charges. Cancellations must be received by the Monday of the first day of classes.

Cancellation After the Beginning of the Academic Year or Spring Only Semester:

A resident who does not check into the assigned room by midnight of the first day of classes will be considered a "no show," and be canceled immediately. A late cancellation charge of \$150 will be assessed to students who are no shows.

Residents who have checked into their housing assignment must go through the official withdrawal process to cancel this Contract. Official withdrawal procedures are outlined in the University publication, "Hilltopics for Residence Hall Living." A student who is an unofficial checkout will be assessed a \$150 unofficial checkout charge.

A termination fee and any applicable housing fees (room charge through the official date of withdrawal, or assessment of the required housing fee for non-compliance with the required housing policy) will be assessed

to a student's bill. The contract termination fee is 50% of the student's semester housing charge.

Requests for exemption from the contract termination charge and appropriate documentation must be submitted in writing to the Department of Housing & Residence Life. Exemptions are not guaranteed.

A resident's date of official withdrawal from the assigned residence hall room will determine the room charge and, if applicable, the amount of housing fee refund.

An official withdrawal prior to or during the first 6 days of classes (Monday to Monday of the 1st week of the semester, including holidays if applicable) will be pro-rated by nights in room. From the 7th day of class through Sunday of the second week, and thereafter determines the number of weeks assigned, using the following schedule: second week: 50% of semester fee; third week: 75% of semester fee; after the third week, the charge is 100%.

An assigned resident who does not go through the official withdrawal process to cancel this Contract on or before the last day of finals week of the Fall Semester will be considered an assigned Spring Semester resident and will be charged a Spring Housing fee accordingly.

Hall Name	Number of Floors	Maximum Occupancy	Eligibility Requirements
Men's Halls			
McCormack	6	374	None
Women's Halls			
Pearce-Ford Tower	27	858	None
Co-Ed Halls			
Bates-Runner	3	148#	Upperclassmen
Douglas-Keen	4-7	372	None
Gilbert	4	202	None
Hilltopper	6	408#	Extended Living
Hugh Poland	9	406	None
McLean	3	126#	Upperclassmen
Meredith	3	188s	
Minton	10	406	Honors
Munday	3	300#	Upperclassmen
Normal	6	260	Freshmen Only
Regents	6	375	Freshmen Only
Rodes-Harlin	9	368	Extended Living
Southwest	3	300#	Upperclassmen-Honors
Zacharias	3	212s	Upperclassmen

s Suites

rooms with private bathrooms

12'X16' Approximate Room Size. All halls are air-conditioned.

Extended Living

For the 2022-2023 academic year, extended living is offered at Rodes Harlin Hall and Hilltopper Hall, which allows students to continue to reside on campus during the Thanksgiving break, winter sessions, and spring break periods. All other halls close for these periods which makes

this a good option for those who cannot travel during the breaks, need to work in town during breaks or need to be here for university-related activities. Summer housing is also offered for students needing year round housing; summer housing charges apply. Learn more at: <https://www.wku.edu/housing/summer/housing.php>.

Room Assignments

Room assignments are made based upon the date of receipt of the Housing Agreement and accompanying housing application fee. Returning residents who renew their housing agreement prior to the established deadline are given "priority status" and are reassigned first. Incoming freshmen and transfer students are assigned next based upon their date of completed housing contract and application fee paid.

Although there are no guarantees, special consideration is given to the indicated preferences. Roommate preferences are made based on availability and mutual requests. It is recommended that residents wishing to room together should submit their Agreements together when possible.

Residence Hall Rooms

Residence hall rooms are equipped to accommodate two students and each room is furnished with beds, chests of drawers, bookshelves, closet space, desks and chairs.

Reservations

Students should submit the completed Residence Hall Housing Agreement with their \$75.00 application fee immediately after being admitted to the University. Students may apply online through the Housing Portal (<https://www.wku.edu/housing/portal/>) with credit/debit card.

Academic Information

- Academic Requirements and Regulations (p. 39)
- Degree Requirements (p. 47)
- Colonnade Requirements (p. 49)
- Credit by Examination and Prior Learning Assessment (p. 55)
- Transfer of Credits (p. 68)
- Academic Definitions (p. 70)
- Academic Degree Types (p. 71)

Academic Requirements and Regulations

Course and Organizational Information

Division of the School Year

The academic year of Western Kentucky University is divided into two semesters consisting of sixteen weeks, a 13-week summer term, and a three-week winter term. The opening and closing dates are given in the Academic Calendar, which is published yearly. Specific information about the summer and winter terms is available at <http://www.wku.edu/delo> (<http://www.wku.edu/delo/>).

Unit of University Credit

The unit of credit is a semester hour.

Classification of Students

Beginning students are classified as freshmen; students with a minimum of 30 semester hours earned, as sophomores; 60 hours earned, as juniors; and 90 hours earned, as seniors.

Course Load

To be considered a full-time undergraduate student, one must carry a minimum of 12 hours each semester. Students who wish to enroll for 20-21 semester hours must have a cumulative grade point average of 3.3 or above.

Registration and Student Schedule Changes

After classes begin, registration for a full-time course load and / or changes in schedules may be made only within the first six class days of a semester or the first three days of a bi-term or 5-week session. Courses that do not meet at least twice during the first six class days may be added through, but not past, the day of the second class meeting.

During a term (full semester, bi-term, 5-week session, or summer session, a student may withdraw from a course with a grade of "W" or "F" under the following conditions. It is recommended faculty members inform students of this "W" period deadline.

- A student is permitted to withdraw from any course with a grade of "W" until the 70% point of the term. Refer to the Registration Guide on the Office of the Registrar's website for specific dates. See the Academic Dishonesty section for exception information.
- After the 70% point of the term, any student dropping a course receives an automatic "F." However, when there are extenuating circumstances, and at the discretion of the faculty member and the department chair, the student may be permitted to withdraw with a "W" instead of "F."

Students should refer to the Registration Guide each term for specific dates affecting schedule changes.

Attendance Policy

It is the policy of Western Kentucky University that class attendance is an important part of a student's educational experience and is a requirement for success in courses. Registration in a course obligates the student to be regular and punctual in class attendance. Students should make certain their names are on the class roll. If an error has been made in registration, it is the student's responsibility to see the error is corrected in the Office of the Registrar. Students who know of necessary absences should consult with the instructor before the absence. Students who miss classes are not excused from the work associated with the course.

Students who cease attending class are expected to report to the Office of the Registrar to initiate withdrawal procedures. Withdrawal deadlines are published each term in the Registration Guide. Non-attendance does not relieve students of the responsibility for tuition or fees. It is the responsibility of each instructor to maintain records to inform the University whether a student was present in class until the 60% point of the term. Records may be kept in the instructor's desired format. Attendance has an effect on the receipt or repayment of financial aid or scholarship.

Instructors may create guidelines for attendance in each course. The instructor must notify students of the attendance policy in writing within one week of the start of the pertinent semester/term/summer session. It is recommended that this information be included in the course syllabus.

Excessive Absenteeism

Excessive absenteeism frequently contributes to poor academic achievement. An instructor who determines a student's absenteeism is inconsistent with the instructor's stated policy should either counsel with the student or request the advising office arrange a counseling session with the student. Excessive absenteeism may result in the instructor's dismissing the student from the class and recording a failing grade, unless the student officially withdraws from the class before the withdrawal deadline. If the student withdraws from the university after the end of the official withdrawal period, excessive absenteeism may be one of the considerations in the instructor's deciding whether circumstances justify a "W" or an "F" in the course. The normal appeal process is available to the student who wants to appeal the decision of the instructor.

Medical or Bereavement Absenteeism

When a student is absent from class because of illness, death in the family, or other justifiable reasons, it is the student's responsibility to consult the instructor at the earliest possible time. Contact the advising office for guidance (270) 745-5065. The advising office provides class attendance notification services as requested by students and faculty. When requested by students, notifications of absences resulting from personal emergencies are relayed to faculty. In addition to this official notification, it is the student's responsibility to contact each professor to make arrangements to complete missed assignments and tests. The advising office also notifies students of excessive absences reported by faculty.

5th Week Check-in

The Advising and Career Development Center (ACDC) provides a 5th week check-in to all freshmen and sophomores in classes at the 200-level and below during the 5th week of each semester to help identify areas that may need improvement. Instructors shall provide information about students' class performance regarding attendance and grades.

It is recommended that instructors offer a meaningful assessment during the first five weeks to measure student performance in addition to keeping track of attendance. Students may be flagged or missing class too frequently and/or for having a D/F in the course. Course instructors, academic advisors, residence hall staff and/or the ACDC staff may follow up with flagged students to discuss potential issues the student may be facing in and out of the classroom.

Drop for Non-Attendance

Students who, without previous arrangement with the instructor or department, fail to attend the first two class meetings of a course meeting multiple times per week or the first meeting of a class that meets one time per week MAY be dropped from the course. Nonattendance for a web-based course shall be defined as failure to perform meaningful academically-related activity (including, but not limited to, the following: submitting an academic assignment, taking an exam, participating in an online discussion about academic matters) within one week of the course start date without previous arrangements with the instructor or department. Instructors have the right to drop non-attending students during the drop/add period specified in the Registration Guide to allow other students to register for the course, thus cutting down on waitlists and bottlenecks.

Failure for Non-Attendance (After Registration Period)

Students who attended a course during the first week but ceased attending up to and including the 60% point of a term will receive a failure for non-attendance grade (FN). This grade shows no semester hours earned and no quality points. Non-attendance may include either ceasing to attend the course or failing to complete any meaningful assignments up to and including the 60% point of the term. Instructors must enter the date the student last attended the course when entering the FN grade on the student's record.

Registration Requirement

No WKU student may attend a course for which he or she is not registered, either as a degree-seeking student or as a non-degree seeking student.

Attendance Notification

The advising office provides class attendance notification services as requested by students and faculty. When requested by students, notifications of absences resulting from personal emergencies are relayed to faculty. In addition to this official notification, it is the student's responsibility to contact each professor to make arrangements to complete missed assignments and tests. The advising office also notifies students of excessive absences reported by faculty.

Military Absence Policy for Official Military Duties and Veteran Administration Medical Appointments

Instructors are expected to show flexibility to Military and Veteran students who have required absences due to military duties or Veteran Administration medical appointments. These absences are mandated and beyond the students' control. Instructors should not penalize absences of this type in any way. Accommodations and specific time frames to make up all missed assignments, quizzes, and tests will be given and mutually agreed upon by the instructor and student. Students are responsible for notifying faculty members of absences as far in advance as possible, when possible, and for ensuring that their absence is documented. Absences can be verified by official orders, appointment notifications, or through the Office of Military Student Services. Students

called to duty for an extended amount of time should be referred to the Military Withdrawal policy.

Auditing of Courses

An auditor enrolls and participates in a course without expecting to receive academic credit. The same registration procedure is followed, and the same fees are charged as for courses taken for credit. An audited course is not applicable to any degree or certificate program.

Regular class attendance is expected of an auditor. Other course requirements, which may be obtained in writing from the instructor, will vary depending on the nature of the course. Students interested in auditing a course should secure permission from the instructor and discuss course requirements prior to enrolling. Failure to meet course requirements may result in the auditor being withdrawn from the course at the request of the instructor. A successful audit will be recorded on the transcript with the designation AU.

Any change from audit to credit must be done by the last day to add a class. Changes from credit to audit must be done by the last day to drop a class with a grade of "W." Refunds for withdrawals from audited courses will be prorated on the same basis as refunds for withdrawals from courses taken for credit.

Pass/Fail Grading Option: Student-Initiated Option

The Pass/Fail option encourages undergraduate students to take courses they might otherwise avoid because of lack of background or concern for lowering their grade point average (GPA). It allows students to experiment in academic disciplines without the same grading pressures incurred as in their major area of study. When undergraduates choose this option, they must adhere to the course syllabus the same way as students enrolled for a letter grade. For this reason, this policy can contribute substantially to a student's breadth of experience at WKU.

Note: Not all undergraduate courses are approved to be taken Pass/Fail. Graduate-level courses (400G-499G, 500 or higher) may not be taken under the Pass/Fail option.

1. Taking courses under the Pass/Fail student-initiated option is subject to the following restrictions:

A. The student must complete the appropriate Pass/Fail form by the deadline published in the registration guide.

B. The form can be completed at the time of registration but not later than the last day to withdraw for a class for that semester/term as listed in the appropriate registration guide.

C. The choice to receive a traditional letter grade or a Pass/Fail grade cannot be changed after the last day to withdraw from a course except by withdrawal or by repeating the course.

D. A student may not repeat a course on a Pass/Fail basis in order to replace a previously earned letter grade of A through F.

E. The student must be an undergraduate student (degree seeking or non-degree seeking). Dual credit students are excluded from this policy.

F. Courses taken Pass/Fail must be elective in nature or part of the Colonnade Connections categories and cannot be used to fulfill specific major, minor, or certificate requirements or a prerequisite requirement for admission to a degree program. If a student changes their major/minor after taking and passing the course, they may request a retroactive change to a letter grade from the department chair of the program in which the course is housed.

G. No more than 9 credit hours toward graduation may be completed through the student-initiated Pass/Fail. Format effective May 2013.

H. The grade of P will not be computed in the GPA but the credit hours associated with the course will be counted as credit hours earned and will count toward graduation under the restrictions previously mentioned.

I. The grade of F will be computed in the student's GPA as hours attempted.

2. Under the student-initiated Pass/Fail policy, the instructor will not know whether an individual is taking the course for a traditional letter grade or Pass/Fail. When the semester ends, the instructor will submit traditional letter grades for all students. For those students taking the course as Pass/Fail, grades will be converted by the registrar's office.

Global Studies Designation

WKU offers all students the opportunity to earn a Global Studies Designation as part of their undergraduate education. This designation may be combined with any major.

Students who complete the requirements outlined below will receive the "Emphasis in Global Studies" designation on their official transcript.

Requirements include:

1. Completion of a minimum of twenty-four (24) credit hours of coursework with substantial international content. More than 200 courses are approved to meet this requirement. Any of the approved courses can also be used to meet major, minor, or Colonnade requirements, as appropriate. As part of this requirement, the following conditions must also be met:
 - a. No more than nine (9) credit hours may be counted from any one discipline.
 - b. At least three (3) different departments must be represented.
 - c. Students must achieve an overall minimum GPA of 2.5 in the international content courses in order to receive the "Emphasis in Global Studies" designation.
2. Completion of a minimum of six (6) credit hours of modern language, either six hours in one language or three hours each from two languages. *This requirement must be met in addition to the twenty-four hours of international content coursework above.*
3. Completion of an approved credit-bearing international learning experience that could include study abroad, an internship abroad, service learning abroad, research abroad, or international student teaching.

More information regarding the Global Studies Designation may be found at <http://www.wku.edu/studyabroad/students/globalstudies.php>. Students are encouraged to contact the Office of Study Abroad & Global Learning at study.abroad@wku.edu or (270) 745-5334 with any questions.

Undergraduate Student Enrollment in Graduate Courses

Undergraduate students at Western Kentucky University may request to enroll in graduate courses through the Graduate School. Conditions for approval include:

- at least 75 undergraduate credit hours earned; and
- a minimum cumulative GPA of 3.0

Undergraduate students may accumulate a maximum of 12 graduate credits. In addition, undergraduate students are restricted to a maximum

of 15 hours enrollment per term, including graduate and undergraduate credits. All graduate coursework will be on the graduate transcript. To move the coursework to the undergraduate transcript students should contact the Office of the Registrar.

Schedule Changes by the University

The institution reserves the privilege at all times of canceling any course for which the enrollment is not sufficient to justify its continuation and to make any other adjustments in the schedule that seem necessary.

Changes in Offerings and Policies

The University reserves the right to make changes as required in course offerings, academic policies, and other rules and regulations affecting students to be effective whenever determined by the University.

Academic Freedom

The University desires every student experience freedom in academic pursuits. Academic freedom, however, is not irresponsibility—it is the opportunity to pursue truth.

Grade-Related Information

Grade Point Average

The overall grade point average is defined as the ratio of the total number (including transfer work) of quality points to the total number of GPA hours attempted. The WKU grade point average is defined as the ratio of the total number of quality points to the total number of GPA hours attempted for courses taken only through Western Kentucky University.

Grade Recording

Grades are recorded by the Office of the Registrar as reported by the faculty at the end of each term. No grade filed in that office may be changed except via a written statement from the instructor certifying that an error has been made. All conditions must be removed before the student will be recommended for any certificate or degree.

Grade Reports

It is recommended that some graded evaluation be accomplished by the end of the first six weeks equal to at least 20% of the student's final grade. Final grades are accessible online through TopNet.

Developmental Course Grading

Courses numbered 050-099 are developmental courses; grades earned in these courses will not count toward the student's GPA, but shall be considered in determining eligibility for financial aid and academic probation status. Credit hours earned in developmental courses are not degree applicable. **Note: In Fall 2019, WKU discontinued offering developmental courses.**

Grading and the Quality Point System

Within one week of the start of the pertinent semester/term/summer session, the instructor will provide students a written statement of the factors to be considered in determining grades and the specific weight to be assigned to each of these factors. The letters A, B, C, D, F, P and X are used by the University to indicate the student's academic proficiency. These letters have the following significance:

A	Excellent, valued at four quality points per semester hour.
B	Good, valued at three quality points per semester hour.

C	Average, valued at two quality points per semester hour.
D	Below average, unsatisfactory, valued at one quality point per semester hour. (A "D" gives credit toward a degree. The student's overall grade point average, however, must be a 2.0 or better to meet the requirements for graduation.)
F	Failure, valued at no semester hours earned and no quality points.
FN	Failure due to nonattendance, or ceasing to attend, up to and including the 60% point of a term, valued at no semester hours earned and no quality points. Nonattendance shall be defined as failure to perform meaningful academically-related activity including, but not limited to, the following: submitting an academic assignment, taking an exam, participating in an online discussion about academic matters.
P	Pass, credit is awarded toward a degree, but no quality points are assigned. The "P" designation is restricted to specific courses approved for its use.
X	Incomplete, A grade of "X" is given only when a relatively small amount of work is not completed because of illness or other reason satisfactory to the instructor. A grade of "X" will automatically become an "F" unless removed within the first twelve (12) weeks of the next full term (summer term excluded.) An incomplete must be removed within this twelve-week period regardless of whether the student is registered for additional work in the next term. A student should work with the instructor who assigned the incomplete on an independent basis in order to complete the necessary assignments. A grade of incomplete is not used under any circumstances as a substitute for "F" or "W."

The designations AU, W, NR, ER and NG are not included in the determination of grade point average and are used in the following cases:

AU	Auditor of a course, (See "Auditing of Courses" for additional information.)
W	Officially Withdrew

NR	No report, grades for an entire class were not received by the Office of the Registrar in time for processing. The designation "NR" is not to be used as a grade for individual students.
ER	Error in reporting, this designation is used by the Office of the Registrar when a grade is not reported for an individual student.
NG	No grade, a grade is not appropriate to the course. The "NG" designation is restricted to specific courses approved for its use.
IP	In Progress, the IP designation is restricted to specific courses designed to span more than one term. Unless approved otherwise, an IP designation unresolved at the end of one year after its assignment will be converted to an "F."

Transfer work submitted will be equated to our internal scale and denoted as such on your record.

Repeating Courses

An undergraduate student is permitted to repeat a maximum of six courses. Only two courses in which a grade of "C" or above has been earned may be repeated.

Credit for a course in which a grade of "F" has been received can be earned only by repeating the course in residence unless prior approval is given by the chair of the department in which the course was taken. A course in which a grade of "D" has been received may be repeated at another accredited institution.

A course that has been failed cannot be repeated by WKU On Demand (independent learning) without special permission from the department chair. A student may not repeat by proficiency testing a course that has been previously taken or failed at WKU or another accredited institution.

If a course is repeated, the higher of the two grades will be counted in computing the grade point average; if the course is repeated a second time, the two higher grades combined will be used in computing the grade point average. The grade received for each attempt will continue to appear on the student's academic record. A student may attempt a single course no more than three times.

WKU does not guarantee the right to repeat any course. Courses may be deactivated, discontinued, or offered on a different schedule.

The Committee on Credits and Graduation has the responsibility for hearing appeals from students regarding the application of these regulations.

An appeal for special permission to repeat a course in the major or minor beyond the third attempt will be considered only upon the recommendation of the chair of the department involved, and then only if special consideration is needed to raise the average in that subject to the minimum required.

Students seeking special consideration to repeat a course beyond the third attempt in the general education requirements and in free

electives must first consult with the University Registrar. If, after this conference, an appeal is deemed appropriate, the Committee on Credits and Graduation will consider the student's request.

Transcripts

Transcripts will be released at the written request of the student and in conformity with university policy and existing state and federal statutes pertaining to the release of student academic records. The official academic record is the property of the University. Consequently, the University reserves the right to withhold the release of a transcript of that record if the student has an obligation to the University. Transcript request information is available on the Office of the Registrar website at http://www.wku.edu/registrar/transcript_request.php.

Academic Standing, Probation, and Appeal

Academic Standing

To be eligible for continuous enrollment without being placed on Academic Probation, a student must maintain a 2.0 for both overall grade point average (GPA) and total institution GPA (i.e., courses taken at WKU). At the end of each academic term, students may access TopNet to view their term GPA, overall GPA, and total institution GPA.

Academic Warning

If a student's term GPA is below the 2.0 requirement, but the student satisfies the 2.0 requirement for the overall GPA and total institution GPA then the student's new academic standing is Academic Warning. Students whose academic standing falls to Academic Warning will be asked to attend an Academic Warning Workshop during the first week of classes of the term following the change in academic standing. In this workshop, students will learn what it means to be on Academic Warning, what the implications are for not raising their GPA, and what resources are available on campus to help them succeed in their coursework.

Academic Probation

If a student's overall GPA and/or total institution GPA falls below the 2.0 requirement, the student is placed on Academic Probation. A student on Academic Probation is allowed continued enrollment on a semester-by-semester probationary status, as long as the student continues to achieve a 2.0 term GPA until returning to academic Good Standing. The Advising and Career Development Center (ACDC) utilizes the Best Expectation Program (BEP) and The Learning Center (TLC) to provide students on Academic Probation with resources to achieve academic Good Standing. Students on Academic Probation, and students returning after academic dismissal or a granted academic appeal, are required to participate in the Best Expectation Program (BEP) through the ACDC.

Academic Dismissal

Any student who fails to earn a 2.0 or higher term GPA while on Academic Probation will be academically dismissed and is not eligible to enroll in WKU classes for one calendar year. Students may, however, choose to appeal the academic dismissal. For additional details, please see the Academic Dismissal Appeal information below. Academic standing for all students who complete a term is shown on TopNet. It is the student's responsibility to stay informed of academic standing and to improve academic performance until returning to academic Good Standing.

Academic Dismissal Appeal Procedure

Students who are academically dismissed may file an academic appeal with the Academic Appeals Committee through the Advising and Career Development Center (ACDC). The Academic Appeals Committee may

dismiss the student from WKU or allow the student continued enrollment under probationary status with conditions for the following term. A student academically dismissed from the University by the Academic Appeals Committee may appeal the decision to the Executive Appeals Committee. If the Executive Appeals Committee approves an appeal, the student will be permitted to enroll for an additional semester on probationary status with conditions determined by the Executive Appeals Committee at the time of approval. Detailed operational procedures followed by the Academic Appeals Committee may be obtained from the ACDC located in the Downing Student Union 2141.

Students who are either academically dismissed or who voluntarily withdraw due to academic deficiencies are eligible to apply for readmission after one calendar year of absence from WKU. Readmission will be determined according to WKU admission standards at the time of application for readmission. Applications for readmission are to be filed with the Office of Admissions by published deadlines.

Student Rights and Responsibilities

Code of Student Rights and Responsibilities

The Code of Student Rights and Responsibilities is set forth in writing to provide students general notice of their rights and responsibilities at Western Kentucky University. Further rights and responsibilities are set forth in other University rules and policies, including the Code of Student Conduct, Student Handbook, Residence Hall contracts, graduate and undergraduate catalogs, and academic unit websites. It is the students' responsibility to be aware of all University rules and policies; students should check with the Dean of Students Office or Office of Student Conduct if they have any questions about the purposes or intent of these policies.

Academic Integrity

Students are expected to pursue their studies with commitment to intellectual honesty and personal integrity. The maintenance of academic integrity is of fundamental importance to the University. Examples of academic offenses include (but are not limited to): any act of plagiarism, cheating, or falsification or misuse of academic records. Thus, it should be clearly understood that acts of plagiarism or any other form of cheating will not be tolerated and that anyone committing such acts risks punishment of a serious nature. A student who believes a faculty member has dealt unfairly with them in a course involving academic offenses such as plagiarism, cheating, or academic dishonesty, may seek relief through the Student Complaint Procedure. Questions about the complaint procedure should be directed to the Student Ombuds Officer at student.ombudsman@wku.edu.

Academic Dishonesty

Academic dishonesty is defined as engaging or attempting to engage in any activity that compromises the academic integrity of the institution or subverts the educational process. This definition applies to work submitted face-to-face or through on-line or electronic means and work submitted for face-to-face, hybrid, and on-line courses. Students who commit any act of academic dishonesty may receive from the instructor a failing grade in that portion of the coursework in which the act is detected, or a failing grade in the course without the possibility of withdrawal. The faculty member may also present the case to the Office of Student Conduct for disciplinary sanctions and the Office of the University Registrar if action by these offices are required. Students may be held responsible for committing academic dishonesty while enrolled even if the student withdraws from the course.

Cheating

No student shall receive or give assistance not authorized by the instructor in taking an examination or in the preparation of an essay, laboratory report, problem assignment, or other project that is submitted for purposes of grade determination.

Plagiarism

To represent written work taken from another source as one's own is plagiarism. Plagiarism is a serious offense. The academic work of a student must be their own. One must give any author credit for source material borrowed from them. To lift content directly from a source without giving credit is a flagrant act. To present a borrowed passage without reference to the source after having changed a few words is also plagiarism.

Multiple Submissions

Submitting the identical or substantially the same assignment or portions thereof to fulfill the requirements for two or more courses without approval of the instructors involved, including when repeating a course; or submitting the identical or substantially the same assignment or portions thereof from a previously completed course to fulfill the requirements for another course without the approval of the instructor of the latter course; or submitting the identical or substantially the same assignment or portions thereof to fulfill the requirements for two or more academic assignments within a course without the approval of the instructor.

Other Types of Academic Dishonesty

Other types of academic offenses, such as the theft or sale of tests, should be reported to the Office of Student Conduct at (270) 745-5429 for further action. <http://www.wku.edu/studentconduct/process-for-academic-dishonesty.php>.

Academic Renewal

Academic renewal allows students to void a semester of coursework or all previous coursework, if the coursework has not been used for a previous degree earned at WKU nor another accredited institution. The policy prevents voided coursework from counting toward graduation and the computation of the grade point average; however, the voided coursework will remain a part of the transcript.

In order to qualify for academic renewal, students must be admitted to WKU and enrolled or previously enrolled in coursework at WKU. In addition, qualified students must fall into one of the following categories:

1. Have at least 60 earned credit hours; or
2. Have not attended any accredited college or university for at least two previous years.

Qualified undergraduate students who have earned at least 60 credit hours should work with an advisor to determine if all coursework should be voided or the coursework for a single semester. If the student chooses to void all coursework, all coursework will be voided prior to the submission of the petition.

Qualified undergraduate students who have not attended any accredited college or university for at least two previous years must have a cumulative grade point average, since readmission, of at least 2.0 (with no grade below a "D"), computed at the end of the term in which the student completes 12 semester hours or the number of hours required for degree completion if less than 12. Students who have not attended any accredited college or university for at least two previous years should work with an advisor to determine if all coursework should be voided or

the coursework for a single semester. If the student chooses to void all coursework, all coursework will be voided prior to the readmission term.

WKU accepts transfer credit retained through academic renewal at other institutions but will use grades from those courses for the computation of the higher education grade point average.

Students requesting academic renewal are required to complete and submit the "Petition for Academic Renewal" form to their advisor and then their department chair or equivalent, indicating whether one semester or all previous coursework is to be voided. The Office of the Registrar processes the approved form. The academic renewal decision is final once it is approved by the academic department and processed by the Office of the Registrar. Students may not declare academic renewal more than once. Academic Renewal is irrevocable.

Procedures

The form shall be approved by the student's advisor and then their assigned Department Chair. The department will send the approved form to the Office of the Registrar, Potter Hall 216.

The petition should not be filed until the student has fulfilled the conditions of eligibility mentioned above. The Office of the Registrar will notify students by email when the Petition for Academic Renewal has been processed. Students who request academic renewal for a semester(s) may not use any credit earned during that period toward degree requirements. Voided courses required for the degree must be repeated.

Withdrawal from the University

For various reasons it is occasionally necessary for a student to withdraw from the University. Prior to the 70% point of the semester, students may use TopNet to withdraw. After the 70% point of the semester, the student should report to the Office of the Registrar to initiate withdrawal procedures. Students leaving the institution without an official withdrawal will receive failing grades in all courses in which they are enrolled and endanger their future status in the institution. Students withdrawing after the 70% point of the semester, a bi-term, 5-week session, or comparable period during a summer session must consult with their instructors as to the withdrawal grade. The official date of the withdrawal is the date the withdrawal is processed on TopNet or the written notice is received in the Office of the Registrar. Students wishing to return to WKU at a later date must submit an application for readmission prior to the deadline for submitting applications. Refer to the Registration Guide on the Office of the Registrar's website for deadlines.

In special circumstances, as described below, a complete withdrawal from the University after the 70% point of a term will be considered. Request forms are available on the Office of the Registrar website at <http://www.wku.edu/registrar/withdrawal.php>.

Administrative Withdrawal

A request for an administrative withdrawal is initiated by the University because of a disciplinary situation or when, in the professional judgment of a health care provider, psychologist and/or university administrator, there is reason to believe a student is a substantial threat to him/herself or interferes with the welfare of other members of the University, the education process, or the orderly operation of the University. The Vice President for Enrollment and Student Experience or the Associate Vice President for Academic Affairs, or their respective designees, will notify the student of the involuntary withdrawal, and the University Registrar will be directed to withdraw the student from all classes in which the student is currently enrolled and cancel registration that has occurred

for any future terms. The Office of the Registrar will notify the student's instructors of the withdrawal, and "W" grades will be recorded for the term in progress. A student who is administratively withdrawn will have a registration hold placed by the Vice President for Enrollment and Student Experience or the Associate Vice President for Academic Affairs to prevent the student from being readmitted or re-enrolled unless cleared by the appropriate administrator or the respective designee. A student may file a written appeal of an involuntary withdrawal through the office that administered the withdrawal. Tuition refund appeals for administrative withdrawals are handled in a separate procedure, and instructions may be obtained from the Bursar's Office.

Medical Withdrawal

A student may request and be considered for a medical withdrawal from all courses in a term when extraordinary circumstances, such as a serious physical or mental illness or injury, prevent the student from continuing his or her classes after the mid-point of a term, and incompletes or other arrangements with the instructors are not feasible or possible. A medical withdrawal must be substantiated with appropriate documentation from the attending health care provider. Once the rationale for a medical withdrawal has been validated by the Office of the Registrar, the student's instructors will be sent notification of the withdrawal, and "W" grades will be recorded for each course. A student who requests a medical withdrawal, or an individual requesting a withdrawal on behalf of the student who is physically or mentally unable to request the withdrawal, should contact the Office of the Registrar to obtain medical withdrawal procedures. Tuition refund appeals for medical withdrawals are handled in a separate procedure, and instructions may be obtained from the Bursar's Office.

Military Withdrawal

Students who are members of any branch of the United States Armed Services, including the National Guard, who are called to active duty while enrolled at WKU are entitled to the following options:

Students may work with each individual instructor to determine if an incomplete grade is appropriate, or

If an incomplete grade is not a viable option, the student will be permitted to withdraw either from individual courses or from the entire schedule of classes. A full refund of tuition and fees will be issued for those courses from which the student has withdrawn.

Students who are called to active duty while enrolled should contact the Office of the Registrar to initiate the withdrawal process. An official copy of the military orders must be presented to invoke this special withdrawal and refund process.

Retroactive Withdrawal

A student who leaves the University for extenuating circumstances without an official withdrawal during the term of departure may apply for a retroactive withdrawal. The student must present supporting documentation that demonstrates serious and compelling reasons justifying the withdrawal and extenuating circumstances justifying its retroactive nature; poor academic performance that is not attributed to non-academic extenuating circumstances is not a consideration for retroactive withdrawal. A student may appeal for a retroactive withdrawal within two calendar years following the end of the term for which withdrawal is requested. A student need not be enrolled at WKU at the time the application for retroactive withdrawal is submitted. An appellate board will review the request for a retroactive withdrawal. The board will consider the following factors, including, but not limited to:

1. Documentation of extenuating circumstances
2. Written letter of support from an academic administrator, faculty member, advisor or other university professional who is familiar with the student's situation.

If a retroactive withdrawal is approved, the Office of the Registrar will notify the student's instructors and department chairs of the request for a retroactive withdrawal, and they will be given 14 calendar days to raise objections if the student's classroom performance was such that a withdrawal (W) would not be appropriate. If objections are raised by the instructor or department chair, the Office of the Registrar will be informed of the objection, and the student will not receive a "W" in the class. A tuition refund is not granted for a retroactive withdrawal.

Student Academic and Grade Complaint Procedure

The student complaint procedure for resolving an academic or grade complaint:

Step 1 (Faculty Member)

- The student must attempt to discuss the academic issue with the faculty member involved within 15 workdays after the issue has occurred or the grade within the first 15 workdays of the first regular semester (fall; spring) following the assignment of the grade.
- If the faculty member is no longer employed by the university, the student should go directly to that faculty member's department chair, who will attempt to contact the former faculty member concerning the academic issue or grade assigned. If the department chair is unable to facilitate communication between the former faculty member and the student, the student may proceed to step 2.
- If the faculty is employed by the university and declines to discuss the academic issue or grade with the student, the student may proceed to step 2.

Step 2 (Department Level)

- If the student and the faculty member are unable to resolve the complaint, the student may take the complaint to the faculty member's department chair. Written notification of the complaint must be given to the department chair within two weeks after the meeting with the faculty member. If the faculty member is also the department chair, proceed to Step 3.
- The written notification to the department chair should clearly state what the student believes are the faculty member's unreasonable and/or unfair practices or procedures, and include any available documentation.
- The department chair may attempt to resolve the complaint by meeting with the student and faculty member separately to mediate the issue.
- If the department chair is unable to resolve the complaint in this way, a meeting will be arranged where the student, faculty member, and the department chair will be present for discussion.
 - Neither the faculty member nor the student will be allowed representation at the meeting.
 - The department chair shall hear both sides of the complaint and attempt to resolve the matter.
 - If the department chair is unable to bring about an agreed upon resolution between the student and the faculty member, the department chair will issue a recommendation.
 - The department chair shall create a written record of the meeting, including his/her recommendation. A copy of this record shall be

provided to the student and the faculty member at the time the department chair's recommendation is issued to them.

- If the faculty member is no longer with WKU or refuses to participate, the decision of the department chair shall be followed.

Step 3 (College Level)

- Should the student remain dissatisfied with the outcome of the academic issue or grade complaint at the departmental level, the student may continue the complaint to the college level.
- The student should notify the Dean of the College, or the Dean's designee, in writing, within two weeks following issuance of the department chair's recommendation, that the complaint remains unresolved.
- The written notification to the Dean of the College should include a copy of the department chair's record and recommendation, and clearly state what the student believes are the faculty member's unreasonable and/or unfair practices or procedures, and include any available documentation.
- The dean or dean's designee may attempt to resolve the complaint by meeting with the student, faculty member, and department chair.
- If those meetings do not resolve the student's concern(s), the Dean or Designee shall notify the College Complaint Committee:
 - It is expected that a meeting will be scheduled to take place within two weeks after the submission of a written notification to the Dean of the College.
 - The committee shall be composed of at least three faculty members and two student representatives and shall not include representation from the department of the faculty member mentioned in the complaint.
 - If the notification is submitted at the end of a semester and convening the committee is not feasible within the stipulated two weeks period, the committee must be convened within the first two weeks of the first regular semester (fall; spring) following the Dean's receipt of the written complaint.
 - Neither the faculty member nor the student will be allowed representation at the conference.
 - All material presented at the meeting is considered subject to FERPA and confidential.
 - The College Complaint Committee shall hear both sides of the complaint, and shall create a written record of the meeting. The student and faculty member may elect to remain in the meeting while the other presents his or her side of the complaint. The decision and its rationale shall be reduced to writing, with copies sent to the Dean of the College, the student, faculty member, and the faculty member's department chair.
 - If neither party has appealed the Committee's decision after two weeks, the decision will be final. The Dean's office will be responsible for taking action required by the decision, if any.

Step 4 (University Level)

- Should the student or the faculty member be dissatisfied with the decision of the College Complaint Committee, either may appeal the decision to the University level.
- The appealing party should deliver a written appeal to the Office of the Provost within two weeks following issuance of the College Committee's decision.
- The written appeal should include a copy of the College Committee's decision, and clearly state the basis for the appeal, including but not

limited to, any unreasonable and/or unfair practices or procedures, and include any available documentation. Copies of the appeal should be delivered by the appellant to the party not appealing the College Committee decision.

- The Office of the Provost will coordinate and convene the University Complaint Committee.
 - The student and faculty member will be provided with a copy of the University Complaint Committee's procedural guidelines.
 - The University Complaint Committee will secure copies of the recommendations rendered by the department chair and the College Complaint Committee.
 - The University Complaint Committee will schedule a conference where the faculty member and the student are present and will discuss the issue.
 - Neither the faculty member nor the student will be allowed representation at the conference.
 - All material presented at the meeting is considered subject to FERPA and confidential, and no new materials may be presented at this meeting. If new material is presented, the appeal will be referred back to the College Complaint Committee.
 - The University Complaint Committee shall hear both sides of the complaint, and shall create a written record of the meeting. The decision and its rationale shall be reduced to writing, with copies sent to the Provost, the Dean of the College, the student, faculty member, and the faculty member's department chair.
 - The Office of the Provost will see that decisions of the University Complaint Committee are carried out. **The University Complaint Committee's decision is final.**

Out of State Distance Learners

Students enrolled in distance learning courses at WKU will follow the university complaints procedure outlined in this policy and may access additional resources through WKU Online <https://www.wku.edu/online/srp/studentcomplaint.php>. Students may also review information in the WKU Student Handbook. If the issue is not resolved at the institution level, distance students may file a complaint with the Kentucky Council for Postsecondary Education http://cpe.ky.gov/campuses/consumer_complaint.html. (http://cpe.ky.gov/campuses/consumer_complaint.html) For out-of-state distance learning students, the next level in the complaint process is with the National Council for State Authorization Reciprocity Agreements (NC-SARA) <https://nc-sara.org/student-complaints> (https://nc-sara.org/student-complaints/). Additionally, students may file a complaint with WKU's accrediting body, The Southern Association of Colleges and Schools Commission on Colleges (SACS) by downloading the SACS Complaint Procedures Form (<https://sacscoc.org/app/uploads/2020/01/ComplaintPolicy-1.pdf>). Student complaints related to grades or student conduct may not be appealed to Kentucky Council for Postsecondary Education.

Supplements

Supplements to this procedure may be issued during the school year to keep the University community advised of newly adopted programs and policies.

Important Complaint Exceptions:

- Student Disability regarding denial of accommodations, report to Student ADA Compliance Officer and follow WKU policy #6.1010
- Discrimination and Harassment concerns, see below reporting process and follow WKU policy #0.2040 and #0.2070

- Discrimination is always reported to the Office of Equal Opportunity Employment (EEO)
- Student-to-student harassment is reported to Office of Student Conduct or the WKU Title IX Coordinator
- Student-to-faculty/employee harassment is reported to the Office of Equal Opportunity Employment (EEO).

Degree Requirements

Curriculum Requirements

All candidates for a degree must complete one of the academic programs offered by the University. A candidate for an associate degree must complete a minimum of 60 unduplicated undergraduate semester hours; however, some associate degree programs may require more than the minimum 60 semester hours. A candidate for the baccalaureate degree must complete a minimum of 120 unduplicated undergraduate semester hours; however, some baccalaureate degree programs may require more than the minimum 120 semester hours. Students should be aware that some academic programs may require additional scholastic regulations and standards not specified in the catalog. To obtain these regulations, students should contact the appropriate department chair.

Catalog Term and Student Catalog Rights

The student's initial term of entry is identified as the student's "catalog term." Catalog term rights include the following:

- A student shall be entitled to follow Colonnade and major / minor degree requirements contained in the catalog current when first enrolled at WKU as a degree-seeking student. This does not preclude the addition of requirements arising from action of the Commonwealth of Kentucky.
- A student will be allowed seven consecutive years from his / her catalog term to complete degree requirements. The college dean may grant an extension to this deadline.
- A student who drops out and re-enrolls after an absence of seven consecutive years or more will be assigned the catalog term of the readmission term.
- A student's catalog term will be changed to a more recent term if the student, in consultation with the advisor and with approval by the department chair, agrees to follow more recent degree requirements.

Academic departments reserve the right to authorize appropriate course substitutions for earlier versions of major / minor requirements in which required courses have been discontinued.

Academic Standing

A candidate for an undergraduate degree must have a GPA of at least 2.0 (1) in all credits presented for graduation whether earned at WKU or elsewhere, (2) in all credits completed at WKU, (3) overall in the major subjects and in the minor subjects, and (4) in the major subjects and in the minor subjects completed at WKU. Students desiring teacher certification must fulfill all GPA requirements for teacher certification in the major and minor, in addition to meeting the requirements for graduation.

Students should be aware that some academic programs require a "C" or higher in each course applicable toward a major or minor. Refer to the departmental descriptions in this catalog or contact the department chair to determine the specific grade requirements for each major.

Change of Major, Minor, Concentration, and/or Advisor

Changes in majors, minors, concentrations, and advisors can be made upon request. Students must submit a *Major, Minor, Concentration, Advisor Change Form* to the academic department that administers the student's chosen program. The form is available online for students in TopNet (Student Services, Student Records, Change of Major, Minor, Concentration, Advisor). Changes in majors, minors, concentrations, and advisors are provisional until the receiving department has reviewed and accepted the request.

Course Requirements

At least one-third of the course requirements in each major and minor must be earned through instruction at WKU.

At least one-half of the semester hours required for each major and minor must be earned in undergraduate courses numbered 300 and above (except minors in business administration and computer information systems, and majors in dental hygiene, social studies, art education, and middle grades education; refer to the specific program description for details).

A minimum of 42 undergraduate semester hours must be completed in upper division courses (courses numbered 300 or above) by students earning a baccalaureate degree. Students transferring with an applied associate degree (e.g., Associate in Applied Science or its equivalent) into the following majors must complete a minimum of 30 undergraduate semester hours in upper division courses: computer information technology, dental hygiene, health sciences, nursing, organizational leadership, technology management, and workforce administration; refer to each specific major description for more details.

Double Majors

Students with diverse or multiple areas of interest might consider adding breadth to their academic program by choosing to pursue double majors. Students pursuing double majors must fulfill all of the requirements for both majors and all baccalaureate degree requirements, and the requirements may be completed with a minimum of 120 semester hours. Completion of two majors results in the receipt of one degree, and the specific degree is determined by the student's choice of the first or primary major.

Certificate Programs

Only undergraduate courses may be used to fulfill undergraduate certificate program requirements. A minimum GPA of 2.0 must be earned in total course work required for the certificate program, in addition to a minimum cumulative 2.0 GPA and a minimum 2.0 GPA earned in WKU coursework. For more information about undergraduate certificate programs, please refer to the Definitions and Programs sections of the undergraduate catalog.

Residence Requirements

The minimum residence requirement for the bachelor's degree is 25% of the minimum number of semester hours required in the student's degree program through instruction at WKU. The minimum residence requirement for an associate degree is 25% of the minimum number of semester hours required in the student's degree program through instruction at WKU. One-third of the hours in the specialty must be earned

at WKU. For undergraduate certificates, a minimum of 50% of hours toward the certificate must be earned at WKU.

Residence Credit for Graduation

Undergraduate residence credit is any academic credit for which WKU provides the instruction and awards credit placed on the students' transcript. Nonresidence credit is academic credit which WKU accepts as transfer credit from another college or university, including credit earned through examinations, such as, AP, Cambridge, CLEP, Departmental Exam, Military Service, ACT, SAT, or IB.

Concurrent and Subsequent Degrees

Students may pursue two or more degrees either concurrently or subsequently, as specified below.

1. Concurrent (Dual) Associate Degrees

- A minimum of 75 semester hours must be earned to complete the requirements of two associate degrees concurrently.
- Courses taken toward fulfilling one associate degree may also count toward fulfilling requirements in the other, provided that a minimum of 15 semester hours of coursework in the additional major – not including general education – applies exclusively to the additional concurrently earned associate degree.
- A minimum of 15 semester hours must be earned through instruction at WKU.
- A minimum 2.0 grade point average must be earned for all coursework presented in completion of both degrees; in all coursework completed at WKU; and in all coursework in the major.
- Students may pursue concurrent degrees that lead to the same degree type (e.g., two Associate of Science degrees)
- Students must file a separate Application for Graduation and pay the graduation fee for each degree. Two diplomas will be awarded upon simultaneous completion of the two degrees.

2. Subsequent Associate Degree

- Students must have earned an acceptable associate or higher degree from a fully accredited college or university.
- The approved program must include a minimum of 15 semester hours in a new major earned after completion of the student's first degree.
- A minimum of 12 semester hours must be earned through instruction at WKU.
- A 2.00 grade average must be earned for all coursework presented in completion of the program; in all coursework completed at WKU; and in all coursework in the major.

3. Concurrent (Dual) Baccalaureate Degrees

- A minimum of 150 semester hours must be earned to complete the requirements of two baccalaureate degrees concurrently.
- A minimum of 57 upper division hours must be earned (courses numbered 300 or above).

- A minimum of 30 hours must be earned through instruction at WKU.
- A minimum 2.0 grade point average must be earned in all coursework presented in completion of the degrees; in all coursework completed at WKU; and in all coursework in each major and minor.
- Students may pursue concurrent degrees that lead to the same degree type (e.g., two Bachelor of Science degrees).
- Students are not permitted to pursue the Bachelor of Interdisciplinary Studies (BIS) and another baccalaureate degree concurrently.
- Students must file a separate Application for Graduation and pay the graduation fee for each degree. Two diplomas will be awarded upon simultaneous completion of the two degrees.

4. Subsequent Baccalaureate Degree

- Students must have earned an acceptable baccalaureate degree from a fully accredited college or university.
- The approved program must include a minimum of 30 semester hours earned after completion of the student's first degree. A minor may be declared as part of the subsequent degree, but is not required.
- A minimum of 24 semester hours must be earned through instruction at WKU.
- Fifteen semester hours must be earned in completion of a new major.
- One-half of the new semester hours presented in completion of each major and minor must be earned at the upper division level (courses numbered 300 or above).
- A minimum 2.00 grade average must be earned for all coursework presented in completion of the program; in all coursework completed at WKU; and in all coursework in each major and minor.
- Students are not permitted to pursue the Bachelor of Interdisciplinary Studies (BIS) as a subsequent baccalaureate degree.

Degree Conferral

Degrees are conferred in May, August and December. All forms must be completed, all incompletes must be removed, all transfers of credit received, and all WKU On Demand (independent learning) courses completed by the last day of the month in which the degree is to be awarded. Failure to comply could result in postponement of the graduation date. Students completing degree requirements during any of the summer sessions (i.e., May, June, July) will receive an August degree conferral. Students completing degree requirements during the winter term will receive a May degree conferral.

Students with outstanding obligations to the University will not be awarded a diploma until the University Registrar has been notified by the appropriate office that the obligation has been settled. The student must, in all cases, be primarily responsible for meeting the requirements for graduation.

Application for Graduation

All candidates for a baccalaureate degree are expected to apply for graduation immediately after attaining senior status (i.e., 90 hours

earned). Associate degree candidates are expected to apply for graduation after earning 45 hours. The Application for Graduation is available on TopNet under Student Records.

Culminating Assessment

Students are required to show evidence of knowledge in their major field(s) prior to degree completion. Each program will require students to provide evidence that standards have been met through portfolio, examination, capstone course, juried performance, or other culminating experiences.

Recognition of Academic Achievement

The University provides a system through which students with outstanding academic records are appropriately recognized. Students are recognized according to the following categories each semester:

Dean's Scholars

Undergraduate students enrolled full-time whose grade point average for the preceding semester ranged between 3.40 - 3.79.

President's Scholars

Undergraduate students enrolled full-time whose grade point average for the preceding semester ranged between 3.80 - 4.00.

Students who maintain superior cumulative grade point averages are recognized at graduation according to the following designations:

With Distinction

The graduation honor given to students who have completed their associate degree with both cumulative overall and cumulative WKU grade point averages of 3.4 - 3.69 and a minimum of 27 semester hours earned through instruction at WKU.

With High Distinction

The graduation honor given to students who have completed their associate degree with both cumulative overall and cumulative WKU grade point averages of 3.7 - 4.0 and a minimum of 27 semester hours earned through instruction at WKU.

Cum Laude

The graduation honor given to students who have completed their baccalaureate study with both cumulative overall and cumulative WKU grade point averages of 3.40 - 3.59 and a minimum of 45 semester hours earned through instruction at WKU.

Magna Cum Laude

The graduation honor given to students who have completed their baccalaureate study with both cumulative overall and cumulative WKU grade point averages of 3.60 - 3.79 and a minimum of 45 semester hours earned through instruction at WKU.

Summa Cum Laude

The graduation honor given to students who have completed their baccalaureate study with both cumulative overall and cumulative WKU grade point averages of 3.80 - 4.00 and a minimum of 45 semester hours earned through instruction at WKU.

Scholar of the College

This award is presented at commencement to the baccalaureate degree recipient in each college with the highest overall cumulative grade point

average who has earned a minimum of 60 semester hours through instruction at WKU. The Scholar of the College award is presented to recipients of first baccalaureate degrees only.

Ogden Foundation Scholar

The Ogden Foundation Scholar Award is presented to one graduating baccalaureate degree senior who has demonstrated exceptional academic achievement and outstanding university and civic engagement. Student(s) with the highest GPA in each college (based upon the GPA at the beginning of the semester in which degree requirements will be completed) who have earned at least 60 hours through instruction at WKU will be invited to apply for the award. The application will consist of an application form, an essay and two letters of recommendation. A committee comprised of a representative of each baccalaureate college and a member of the Ogden Foundation Board of Trustees will select the top three candidates to be interviewed and will select the award recipient. The recipient will receive a plaque and a monetary award provided by the Ogden Foundation.

Exceptions to Degree Requirements

No substitution for requirements prescribed by the Kentucky Council on Postsecondary Education may be made. Substitutions for departmental requirements may be made under certain conditions when recommended by the department chair concerned and approved by the dean's office.

Appeals regarding degree requirements may be submitted to the Office of the Registrar for consideration by the Committee on Credits and Graduation. This committee is the body responsible for hearing undergraduate students' appeals of university academic requirements and regulations. Appeals must be submitted by the student in typed form to the Office of the Registrar. The request should include the statement of the problem, statement of request, and justification of circumstances supporting the request. Statements of support or clarification from the student's academic advisor are encouraged if the problem resulted from the advisement process. When a request pertains to an exception in a major or minor, the student should consult with the appropriate department chair for a written recommendation to the committee. Decisions of the committee shall be made by a simple majority of the voting members in attendance. Detailed information regarding the submission of an appeal is available from the Office of the Registrar and on the Office of the Registrar website at <http://www.wku.edu/registrar> (<http://www.wku.edu/registrar/>).

Colonnade Requirements

The WKU Colonnade Program (General Education) seeks to embody the following goals and learning outcomes:

1. **Intellectual and Practical Skills, including**
 - a. The capacity for critical and logical thinking;
 - b. Proficiency in reading, writing, and speaking;
 - c. The ability to understand and apply mathematical skills and concepts.
2. **Knowledge of Human Cultures and the Physical and Natural World, including**
 - a. An informed acquaintance with major achievements in the arts and the humanities;
 - b. An appreciation of the complexity and variety of the world's cultures;

- c. An understanding of the scientific method and a knowledge of natural science and its relevance in our lives;
- d. A historical perspective and an understanding of connections between past and present.

3. Personal and Social Responsibility, including

- a. An understanding of society and human behavior;
- b. An understanding of factors that enhance health, well-being, and quality of life.

4. Integrative Learning, including

- a. Synthesis and advanced accomplishments across general and specialized studies.

All coursework is categorized as General Education coursework and consists of courses in 3 categories.

Note: Courses with a "C" suffix will fulfill the appropriate requirement.

Associate Degree Seeking Students must complete a minimum of 15 hours of Colonnade coursework chosen from: 3 hours of College Composition (WC); 3 hours of Arts and Humanities (AH); 3 hours of Social and Behavioral Sciences (SB); 3 hours of either Quantitative Reasoning (QR) or Natural and Physical Sciences (NS); and another 3 hours from the Foundations or Explorations categories.

Baccalaureate Degree Seeking Students must complete 39 hours of Colonnade coursework as outlined on the following pages, and on the Colonnade website (which includes newly approved courses): <http://www.wku.edu/colonnade/>.

I. Foundations: Intellectual and Practical Skills (18 hours)

Code	Title	Hours
College Composition		3
Students with an English ACT score ≥ 29 , or an SAT score ≥ 650 on Critical Reading (prior to March 2016), or SAT score ≥ 35 on Writing and Language (March 2016 and after) will receive credit for this requirement.		
ENG 100/100E	Introduction to College Writing	
Writing in the Disciplines		3
ENG 300, or 200-level or higher writing in the discipline course		
COMM 200	Communication Foundations	
ENG 300	Writing in the Disciplines	
GEOG 300	Writing in the Geosciences	
PSYS 300	Writing in the Psychological Sciences	
Human Communication		3
COMM 145	Fundamentals of Public Speaking and Communication	
Quantitative Reasoning		3
Students with a Math ACT score ≥ 26 or an SAT Math score ≥ 590 (prior to March 2016) or SAT score ≥ 630 (March 2016 and after) will receive credit for Math 116		
CS 146	Introduction to Programming	
MATH 109/MA 109C	General Mathematics	
MATH 112	Problem Solving and Mathematical Skills for Teachers	

MATH 115/MA 115C	Applied College Algebra	
MATH 116/MA 116C	College Algebra	
MATH 117/MA 117C	Trigonometry	
MATH 123	Mathematical Applications for Business	
MATH 136	Calculus I	
MATH 142	Calculus with Applications for Life Sciences	
MATH 183	Introductory Statistics	
PHIL 215	Symbolic Logic	
Literary Studies		3
ENG 200	Introduction to Literature	
MLNG 200	Introduction to Global Literature	
RELS 200	World Religious Literature	
World History		3
HIST 101	World History I	
HIST 102	World History II	
Total Hours		18

II. Explorations: Knowledge of Human Cultures and the Physical and Natural World (12 hours)

Code	Title	Hours
Arts & Humanities		3
ARBC 200	Introduction to Arab Studies (AH)	
ARC 100	Introduction to Asian Studies (AH)	
ART 100	Art Appreciation (AH)	
ART 102	Introduction to Making Art & Making Meaning	
ART 105	History of Art to 1300 (AH)	
ART 106	History of Art Since 1300 (AH)	
AS 180	Introduction to Architecture (AH)	
DANC 110	Dance Appreciation (AH)	
FILM 105	Film Appreciation	
FILM 201	Introduction to the Cinema (AH)	
FLK 275	Supernatural Folklore (AH)	
FLK 276	Introduction to Folklore (AH)	
MUS 120	Music Appreciation (AH)	
PHIL 101	Enduring Questions: Truth and Relativism (AH)	
PHIL 102	Enduring Questions: The Good and the Beautiful (AH)	
PHIL 103	Enduring Questions: The Committed Life (AH)	
PJ 101	Influence of the Photograph	
PJ 131	Fundamentals of Photography (AH)	
PJ 261	Mobile Media Storytelling (AH)	
POP 201	Introduction to Popular Culture Studies (AH)	
RELS 100	The New Testament (AH)	
RELS 101	The Old Testament/ Hebrew Scriptures (AH)	
RELS 102	World Religions (AH)	

THEA 151	Theatre Appreciation (AH)
Social & Behavioral Sciences 3	
AFAM 190	African American Experience (SB)
AGRI 108	Rural Sociology (SB)
ANTH 120	Introduction to Cultural Anthropology (SB)
ANTH 130	Introduction to Archaeology (SB)
BUS 100C	Introduction to Business (SB)
CNS 110	Human Relations (SB)
COMM 154	New Media Literacy (SB)
CRIM 101	Introduction to Criminal Justice (SB)
CSJ 200	Introduction to Social Justice (SB)
ECON 150/ECO 150C	Introduction to Economics (SB)
ECON 202/ECO 202C	Principles of Economics (Micro) (SB)
ECON 203	Principles of Economics (Macro) (SB)
ENV 120	Introduction to Occupational Safety and Health (SB)
FIN 161	Personal Finance (SB)
GEOG 110	World Regional Geography (SB)
GERO 100	Introduction to the Aging Experience (SB)
GWS 200	Introduction to Gender And Women's Studies (SB)
HCA 120	Health Literacy for Consumers
LEAD 200	Introduction to Leadership Studies (SB)
NURS 102	Introduction to Professional Nursing (SB)
PH 100	Personal Health (SB)
PS 110	American National Government (SB)
PS 250	International Politics (SB)
PS 260	Introduction to Comparative Politics (SB)
PSY 100	Introduction to Psychology (SB)
PSY 220	Introduction to Lifespan Developmental Psychology (SB)
PSYS 100	Introduction to Psychology (SB)
PSYS 220	Introduction to Lifespan Developmental Psychology (SB)
REC 200	Recreation in Society (SB)
SMED 101	Step 1: Introduction to Inquiry-Based Approaches to Teaching (SB)
SMED 102	Step 2: Introduction to Inquiry-Based Lesson Design (SB)
SOCL 100	Introductory Sociology (SB)
SWRK 101	Foundations of Human Services (SB)
Natural & Physical Sciences 6	

Minimum of 6 hours, including one course with an essential applied/lab component (SL). Courses must be taken from 2 different disciplines.

AGRI 280	Introduction to Environmental Science (NS)
ASTR 104	Astronomy of the Solar System (NS/SL)
ASTR 106	Astronomy of Stellar Systems (NS/SL)
ASTR 108	Descriptive Astronomy (NS)
BIOL 113	General Biology (NS)
BIOL 114	General Biology Laboratory (SL)
BIOL 120	Biological Concepts: Cells Metabolism and Genetics (NS)
BIOL 121	Biological Concepts: Cells, Metabolism, and Genetics Lab (SL)
BIOL 122	Biological Concepts: Evolution, Diversity, and Ecology (NS)
BIOL 123	Biological Concepts: Evolution, Diversity, and Ecology Lab (SL)
BIOL 131	Human Anatomy and Physiology (NS/SL)
BIOL 207	General Microbiology (NS)
BIOL 208	General Microbiology Laboratory (SL)
CHEM 101	Introduction to Chemistry (NS/SL)
CHEM 105	Fundamentals of General Chemistry (NS)
CHEM 106	Fundamentals of General Chemistry Laboratory
CHEM 109	Chemistry for the Health Sciences (NS)
CHEM 111	Introduction to Forensic Chemistry (NS/SL)
CHEM 116	Introduction to College Chemistry (NS)
CHEM 120	College Chemistry I (NS)
CHEM 121	College Chemistry I Laboratory (SL)
ENV 280	Introduction to Environmental Science (NS)
GEOG 103	Our Dynamic Planet (NS)
GEOG 280	Environmental Science and Sustainability (NS/SL)
GEOL 103	Our Dynamic Planet
GEOL 111	The Earth (NS)
GEOL 113	The Earth Laboratory
GEOL 112	Earth's Past and Future (NS)
GEOL 114	Earth's Past and Future Lab (SL)
GEOL 250	Environmental Geology (NS/SL)
METR 121	Meteorology (NS/SL)
PHYS 100	Energy (NS)
PHYS 101	Concepts of Motion (NS/SL)
PHYS 103	Light, Color and Vision (NS/SL)
PHYS 130	Acoustics of Music and Speech (NS/SL)
PHYS 180	Introductory Modern Physics (NS)
PHYS 181	Introductory Modern Physics Laboratory (SL)

PHYS 201	College Physics I (NS/SL)
PHYS 231	Introduction to Physics and Biophysics I (NS)
PHYS 232	Laboratory for Physics and Biophysics I (SL)
PHYS 255	University Physics I (NS)
PHYS 256	University Physics I Lab (SL)
PSYS 160	Introduction to Biopsychology (NS)
PSYS 161	Introduction to Biopsychology Laboratory (SL)

Total Hours 12

III. Connections: Understanding Individual and Social Responsibility (9 hours)

Students should complete 21 hours or have junior status before enrolling, since content builds on Explorations and Foundations courses. Courses must be from 3 separate disciplines.

Code	Title	Hours
Social & Cultural		3
AFAM 329	Black Intellectual History (SC)	
ANTH 360	Applied Anthropology – Understanding and Addressing Contemporary Human Problems (SC)	
ART 395	A Cultural History of Alcohol (SC)	
ART 407	Islamic Art and Architecture (SC)	
ASL 302	Deaf Culture in America (SC)	
COMM 365	Intercultural Communication (SC)	
CSJ 435	Reimagining Citizenship (SC)	
DANC 360	Dance in Culture: Moving History (SC)	
DCS 360	Place, Community, and Resilience (SC)	
ECON 375	Moral Issues of Capitalism (SC)	
EDU 385	Climate, Resources, & Society (SC)	
ENG 295	Popular Culture and Gender: Signs & Narratives (SC)	
ENG 320	American Studies I (SC)	
FLK 280	Cultural Diversity in the U S (SC)	
FLK 330	Cultural Connections and Diversity (SC)	
GEOG 200	Latin American Society: Past and Present (SC)	
GEOG 330	Introduction to Cultural Geography (SC)	
GEOG 385	Climate, Resources, & Society (SC)	
HIST 200	Latin American Society: Past and Present (SC)	
HIST 316	The American Civil War in Film (SC)	
HIST 317	Renaissance Europe (SC)	
HIST 320	American Studies I (SC)	
HIST 324	Modern Britain Since 1688 (SC)	
HIST 325	Blacks in the Civil War and Reconstruction (SC)	

HIST 329	Black Intellectual History (SC)
HIST 340	History of Popular Culture Since 1500 (SC)
HIST 364	Colonial Latin America, 1400-1825 (SC)
HIST 390	Blacks in the American South (SC)
HIST 395	A Cultural History of Alcohol (SC)
HIST 420	History of Sexuality (SC)
HIST 447	History of American Popular Culture (SC)
IDFM 431	Clothing and Human Behavior (SC)
IDST 390	Applications of Interdisciplinary Studies (SC)
MUS 320	Rock and Roll: Music for a New Generation (SC)
MUS 322	The Blues-Music from the Delta to Chicago (SC)
MUS 323	Music and Drama: From Opera to Musical Theatre and Film (SC)
MUS 327	The History of Music II (SC)
NURS 415	Complementary Health Care (SC)
PH 365	Human Sexuality (SC)
PH 447	Human Values and the Health Sciences (SC)
PHIL 211	Why Are Bad People Bad? (SC)
PHIL 212	Philosophy and Gender Theory (SC)
PHIL 323	Social Ethics (SC)
PHYS 363	Science Controversies: Historical and Contemporary (SC)
PLS 324	Women and the Law (SC)
PS 200	Latin American Society: Past and Present (SC)
PS 320	American Studies I (SC)
PS 373	Minority Politics (SC)
PS 374	Women and Politics (SC)
PS 377	Politics of the American South (SC)
PS 457	Theories of War and Peace in International Relations (SC)
PSY 350	Social Psychology (SC)
PSYS 350	Social Psychology (SC)
RELS 211	Jesus in Film (SC)
RELS 222	Christians, Jews, and Pagans in the Greco-Roman World (SC)
RELS 305	Christianity (SC)
RELS 318	Daoism (SC)
RELS 331	Islam in America: Hope & Hip Hop (SC)
RELS 333	Women and Religion (SC)
SOCL 220	Marriage and Family (SC)
SOCL 375	Diversity in American Society (SC)
SOCL 389	Stigma and Society (SC)
SOM 310	Media Diversity (SC)
SPAN 200	Latin American Society: Past and Present (SC)

THEA 323	Period Styles in Design (SC)		
THEA 341	Culture and Performance (SC)		
Local to Global		3	
AD 240	Advertising in a Digital World (LG)		
AFAM 343	Communities of Struggle (LG)		
ANTH 316	The Archaeology of Environmental Change (LG)		
ANTH 388	Foodways (LG)		
ART 318	Art and Landscape (LG)		
ASL 303	International Deaf Studies (LG)		
BIOL 372	Causes and Consequences of Human-Wildlife Conflict (LG)		
BIOL 380	Challenges of a Changing Biosphere (LG)		
CIS 205	Technology in Society and Business (LG)		
CRIM 434	Organized Crime (LG)		
CSJ 380	Our Future: Local and Global (LG)		
ECON 385	Economic Development (LG)		
ECON 430	Environmental and Resource Economics (LG)		
EDFN 310	Global Issues in Education Policy and Practice (LG)		
EDU 276	Displaced Persons & Civic Engagement (LG)		
ENG 388	Postcolonial Studies (LG)		
FLK 373	Folklore and the Media (LG)		
FLK 388	Foodways (LG)		
GEOG 378	Food, Culture, and Environment (LG)		
GEOG 380	Global Sustainability (LG)		
GEOG 386	Geography of Potent Potables: Brewing, Distilling, and Wine Making (LG)		
GEOG 452	Applied Geoscience Field Experiences (LG)		
GISC 216	Geotech in a Global Community (LG)		
HCA 347	International Comparisons of Health Care Systems (LG)		
HIST 300	Contemporary Chinese Society and Culture (LG)		
HIST 304	Ancient Identities (LG)		
HIST 365	Modern Latin America, 1800-Present (LG)		
HIST 379	Gandhi: The Creation of a Global Legacy (LG)		
HIST 380	Human Rights in History (LG)		
HIST 407	The Crusades: West Meets East (LG)		
HIST 430	History of the Civil Rights Movement in America (LG)		
HIST 462	History of the Middle East (LG)		
HIST 463	The Atlantic World (LG)		
HMD 271	Tourism Planning and Development (LG)		
LEAD 450	Leadership in Global Contexts (LG)		
LME 448	Technology Applications in Education (LG)		
MUS 277	World Music (LG)		
PH 410	Global Perspectives on Population Health (LG)		
PJ 390	Cultural History of Photography (LG)		
PS 357	U S Foreign Policy (LG)		
PS 361	Government and Politics of Western Europe (LG)		
PS 365	Government and Politics of the Middle East (LG)		
PS 367	Government and Politics of Russia and Eastern Europe (LG)		
PS 369	Central European Politics (LG)		
REC 338	Parks, Recreation, and Quality of Life (LG)		
RELS 242	The Meaning of Life; Atheism to Zen (LG)		
RELS 302	Buddhism (LG)		
RELS 306	Islam (LG)		
RELS 309	Global Christianity (LG)		
RELS 322	Pilgrimage, Islam and Modernity (LG)		
RELS 340	Popular Culture and the Religious Marketplace (LG)		
RELS 341	Religion and the Environment (LG)		
RELS 455	Saints, Monsters and Superheroes (LG)		
SOCL 240	Global Social Problems (LG)		
SOCL 270	Introduction to Community, Environment, & Development (LG)		
SOCL 372	Causes and Consequences of Human-Wildlife Conflict (LG)		
SOCL 376	Sociology of Globalization (LG)		
SPS 400	Foundations of Global Citizenship (LG)		
SUS 276	Displaced Persons & Civic Engagement (LG)		
SWRK 300	Diversity and Social Welfare (LG)		
Systems		3	
AGEC 471	Agribusiness Entrepreneurial System (SY)		
ANTH 305	Paleoanthropology: Human Origins and Evolution (SY)		
ANTH 342	Peoples and Cultures of the Caribbean (SY)		
ART 317	Art and Power (SY)		
ASTR 305	Introduction to Astrobiology (SY)		
BIOL 390	Ethnobiology-Peoples, Plants & Animals (SY)		
CHIN 208	Chinese Calligraphy (SY)		
COMM 349	Small Group Communication (SY)		
CRIM 430	Comparative Systems of Juvenile Justice (SY)		

DATA 301	Big Data with its Applications (SY)
DCS 300	Public Problem Solving (SY)
DCS 363	Narrative, Discourse, and Prison Systems (SY)
ENG 404	History of the English Language (SY)
ENT 312	Entrepreneurship (SY)
FLK 342	Peoples and Cultures of the Caribbean (SY)
GEOG 225	Visualizing Geography (SY)
GEOG 226	Our Dangerous Planet (SY)
GEOG 227	Our Vulnerable Planet (SY)
GEOL 301	Geology and Climate: Past and Future (SY)
GEOL 315	Energy, Climate and Carbon (SY)
HIST 305	Ancient Greece (SY)
HIST 306	Ancient Rome (SY)
HIST 307	The Middle Ages (SY)
HIST 308	Conflict, Culture and Commerce in the Medieval Mediterranean (SY)
HIST 310	Comparative Slavery (SY)
HIST 391	History of Sport (SY)
HMD 211	Human Nutrition (SY)
HUM 240	Geometry in Art and Architecture (SY)
MATH 240	Geometry in Art and Architecture (SY)
METR 322	Global Climate Systems (SY)
MFGE 303	Food Laws and Regulations (SY)
MUS 321	Country Music (SY)
PH 412	Health Disparities and Health Equity
PHIL 330	Philosophy of Science (SY)
PHIL 332	Philosophy of Mind: Minds and Machines (SY)
PLS 375	Comparative Legal Systems (SY)
PS 220	Judicial Process (SY)
PS 304	State Government (SY)
PS 311	Public Policy (SY)
PS 340	Principals of Public Administration (SY)
PS 352	International Relations of the Middle East (SY)
PS 370	American Political Parties and Interest Groups (SY)
PSY 250	Adjustment and Personal Growth (SY)
PSYS 353	Psychology of Prejudice and Stereotyping (SY)
PSYS 423	Psychology of Adult Life and Aging (SY)
PSYS 482	Psychology of Sexuality (SY)
RELS 317	Confucianism (SY)
SEAS 368	Problem Solving (SY)
SOCL 322	Religion in Society (SY)

SOCL 342	Aging in Society (SY)
SOCL 362	Social Institutions: Race, Class, and Gender (SY)
SOCL 363	Population, Society, and Development (SY)
SPS 300	Systems Thinking and Problem-Solving in Complex Organizations (SY)
SWRK 305	Environmental Justice: Theory, Policy, and Practice (SY)
SWRK 330	Human Behavior in the Social Environment (SY)

International Experience

BIOL 351	Indian Himalayas - Biogeography, Ganges & Culture (IE)
HMD 476	Global Hospitality and Cuisine (IE)

Total Hours

9

World Language Proficiency

All entering students must demonstrate proficiency in a world language at the Novice High level before completing 60 credit hours. Novice High is the ability to communicate in writing and speaking on familiar topics in simple sentences. To meet this requirement, students can do one of the following:

1. All degree-seeking students with two credits (or equivalent) of high school world language are considered to have fulfilled the world language proficiency requirement at WKU. A high school transcript is required to verify coursework.
2. Enroll in a new language not previously studied and complete the language course at the 101 and 102-level (or higher, excluding SPAN 200 and SPAN 105 courses of any language prefix) with a grade of C or better. Language options include Arabic (ARBC), Chinese (CHIN), French (FREN), German (GERM), Italian (ITAL), Japanese (JAPN), Korean (KORE), Russian (RUSS), Spanish (SPAN), or Swahili (SWAH). The following languages offered outside the Modern Languages Department also fulfill this requirement: American Sign Language (ASL 102 or higher), Chinese Flagship (CHNF 101 or higher), Greek (RELS 155/BLNG 155), Hebrew (RELS 153/BLNG 153), Latin (RELS 151), and Pali II (RELS 157).
3. Continue a language taken previously and complete the 102-level of the language with a grade of C or better. See the list of courses mentioned above, the course descriptions in the back of this catalog, or the website for a comprehensive listing (which includes newly approved courses): <http://www.wku.edu/colonnade/>.
4. Successfully complete a proficiency test; such as the AP, CLEP, IB, AAPPL, Avant STAMP, BYU FLATS, or departmental exam. Information on the AP, CLEP, IB, and departmental exams are available in the "Credit by Exam" section of the undergraduate catalog. The AAPPL, Avant STAMP, and BYU FLATS information is found on the <http://www.wku.edu/colonnade/> (<http://www.wku.edu/colonnade/>) site.

For more information about the World Language Proficiency Requirement, visit <http://www.wku.edu/modernlanguages/placement/>.

The general education world language requirements will be waived for students whose first language is not English. To demonstrate non-English proficiency students can do one of the following:

1. International students from non-English speaking countries can receive the waiver from the International Student Office (request at https://www.wku.edu/international/istart_help.php).
2. Domestic students, and international students from English speaking countries, have several options to demonstrate proficiency in a language other than English:
 - Successfully complete one of the proficiency exams mentioned above (#3).
 - Provide evidence of the completion of the 8th grade, or equivalent, or higher in which the primary language of instruction was not English.
 - Other documentation (tests, diplomas, other official documents) that demonstrate language abilities.

NOTE: The waiver form at <http://www.wku.edu/colonnade> (<http://www.wku.edu/colonnade/>) should be utilized to document school attendance or other documentation.

World Language for Returning Students

Students who begin their college career as degree-seeking students during the 2004 summer term and thereafter will be required to take the second semester level or higher foreign language course.

Students who begin their college career as degree-seeking students before the 2004 summer term are required to take one level of a foreign language.

Kentucky General Education Transfer Policy

The revised Kentucky General Education Transfer Policy (2012) outlines the purpose and guidelines for the transfer of general education across Kentucky's public postsecondary institutions. WKU supports the policy. For more details see: <http://cpe.ky.gov/policies/>. In accordance with KRS 164.2951 an appeal process regarding statewide general education transfer credit is available. The transfer credit petition can be found here: <https://www.wku.edu/transfer/transferpetition.php> and more details on the transfer appeal process can be found here: cpe.ky.gov/policies/academicaaffairs/transferappealsprocess.pdf (https://www.google.com/url/?sa=t&rct=j&q=&esrc=s&source=web&cd=1&ved=2ahUKEwiv9zV0ajjAhUILs0%3A%2F%2Fcpe.ky.gov%2Fpolicies%2Facademicaaffairs%2Ftransferappealsprocess.pdf&usq=AOvVaw0pQ3Jl5Q6eMhRvE26_8H10).

Credit by Examination and Prior Learning Assessment

The credit hours earned through these examinations will count toward graduation, but will not apply to WKU residence credit or be used to compute grade point averages since a letter grade will not be given. Additional information about the exams may be obtained by clicking on the underlined course title in the charts below.

Although students may receive credit hours through any of these seven programs, duplicate credit may not be earned. For example, a student who earns credit hours for English 100 through the AP program may not receive additional credit for English 100 on the ACT exam, on a departmental exam, or on the CLEP exams.

High school seniors should take CLEP and ACT or SAT examinations by February at the latest so the results may be available for use in selecting courses during the March or June Topper Orientation Program.

The Office of the Registrar notifies students of their eligibility for credit upon receiving an application for admission and the official test score report. Students will receive the credit during the first semester of enrollment.

Credit awarded for these exams will apply toward the WKU General Education categories as indicated. For detailed information refer to the General Education section of the catalog. Credit for these exams will also apply toward the Kentucky Statewide General Education categories as indicated. The categories are: Written Communications (WC) and Oral Communications (OC), Arts and Humanities (AH), Social and Behavioral Sciences (SB), Natural Sciences (NS), Natural Sciences Lab (SL) and Quantitative Reasoning (QR).

Advanced Placement Program (AP)

Students may earn college credit through the Advanced Placement Program of the College Board upon attaining the minimum score on the AP examination. AP credit will not count toward WKU residence credit.

Official scores may be obtained on-line at <http://www.collegeboard.com> or by contacting:

AP Exams,
PO Box 6671
Princeton, New Jersey 08541-6671
Telephone (888) 225-5427

The following code number should be used to have scores sent to WKU: AP-1901. Students will receive the credit during the first semester of enrollment.

AP Subject Examinations

AP Course	Minimum Score	Credit Hours	Equivalent WKU Course	Colonnade Program	Kentucky Statewide GEN ED Category
Art					
Art History (https://apcentral.cc/courses/ap-art-history/course/)	3	3	ART 105 or ART 106	E-AH	AH
	4+	6	ART 105 and ART 106	E-AH	AH
Studio Art - Drawing (https://apcentral.cc/courses/ap-drawing/?course=ap-drawing)	3	3	ART 140		
	4+	6	ART 130 and ART 140		

Studio Art - 3D (https://apcentral.cc/courses/ap-2-d-art-and-design/?course=ap-2-d-art-and-design)	3	ART 130
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4+ 6 ART 130 and ART 140

Studio Art - 3+ 3D (https://apcentral.cc/courses/ap-studio-art-3-d-design/portfolio/)	3	ART 131
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Biology

Biology (https://apcentral.cc/courses/ap-biology/exam/)	3	3	BIOL 113	E-NS	NS
	4	4	BIOL 113 and BIOL 114	E-NS, SL	NS, SL
	5	6	BIOL 120 and BIOL 122	E-NS	NS

Capstone

Seminar (https://apstudent.cccoursecourse/ap-seminar/)	3+	3	Lower level elective
Research (https://apstudent.collegeboard.org/apcourse/ap-research/)	3+	3	Lower level elective

Chemistry

Chemistry (https://apcentral.collegeboard.org/courses/ap-chemistry/exam/)	3	3	CHEM 116 or	E-NS	NS
			CHEM 101	E-NS, SL	NS, SL

4+ 5 CHEM 120 E-NS, SL NS, SL and CHEM 121 or

4 CHEM 105 E-NS, SL NS; SL and CHEM 106

Computer Science

Computer Science A (https://apcentral.cc/courses/ap-computer-science-a/exam/)	3+	4	CS 180
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Computer Science Principles (https://apstudent.collegeboard.org/apcourse/ap-computer-science-principles/)

Economics

Macroeconomics (https://apcentral.collegeboard.org/courses/ap-macroeconomics/exam/)	3	ECON 203	E-SB	SB
Microeconomics 3+ (https://apcentral.cc/courses/ap-microeconomics/exam/)	3	ECON 202	E-SB	SB

English

English Language and Composition (https://apcentral.cc/courses/ap-english-language-and-composition/exam/)	3+	3	ENG 100	F-WI	WC
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English Literature and Composition (https://apcentral.collegeboard.org/courses/ap-english-literature-and-composition/exam/)	3	3	ENG 100	F-WI	WC
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4+	6	ENG 100 and ENG 200	F-WI F-AH	WC AH
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Environmental Science

Environmental Science (https://apcentral.collegeboard.org/courses/ap-environmental-science/?course=ap-environmental-science)	3	3	ENV 280 or	E-NS	NS
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5	4	PH 280 GEOG 280	E-NS, SL
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Foreign Language¹

Chinese Language and Culture (https://apcentral.collegeboard.org/courses/ap-chinese-language-and-culture/exam/)	3	9	CHIN 101, ✓ CHIN 102, and CHIN 201
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4	12	CHIN 101, ✓ CHIN 102, CHIN 201, and CHIN 202
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5	15	CHIN 101, ✓ CHIN 102, CHIN 201, CHIN 202, and CHIN 301
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French Language and Culture (https://apcentral.collegeboard.org/courses/ap-french-language-and-culture/exam/)	3	9	FREN 101, ✓ FREN 102, and FREN 201
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4	12	FREN 101, ✓ FREN 102, FREN 201, and FREN 202
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5	15	FREN 101, ✓ FREN 102, FREN 201, FREN 202, and FREN 320
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German Language and Culture (https://apcentral.collegeboard.org/courses/ap-german-language-and-culture/exam/)	3	9	GERM 101, ✓ GERM 102, and GERM 201
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4	12	GERM 101, ✓ GERM 102, GERM 201, and GERM 202
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5	15	GERM 101, ✓ GERM 102, GERM 201, GERM 202, and GERM 330
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Italian Language and Culture (https://apcentral.collegeboard.org/courses/ap-italian-language-and-culture/exam/)	3	9	ITAL 101, ✓ ITAL 102, and 3 hour Italian lower level elective
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	4	12	ITAL 101, ITAL 102, and 6 hours Italian lower level electives	✓
	5	15	ITAL 101, ITAL 102, and 6 hours Italian lower level and 3 hour Italian upper level electives	✓
Japanese Language and Culture (https://apcentral.collegeboard.org/courses/ap-japanese-language-and-culture/exam/)	3	9	JAPN 101, JAPN 102, and JAPN 201	✓
	4	12	JAPN 101, JAPN 102, JAPN 201, and JAPN 202	✓
	5	15	JAPN 101, JAPN 102, JAPN 201, JAPN 202, and 3 hour Japanese upper level elective	✓
Latin (https://apcentral.cc/courses/ap-latin/exam/)	3	9	RELS 150 and RELS 151, and 3 hour lower level elective	✓
	4	12	RELS 150 and RELS 151, and 6 hours lower level electives	✓

	5	15	RELS 150 and RELS 151, and 6 hours lower level electives, 3 hours of upper level electives	✓
Spanish Language and Culture (https://apcentral.collegeboard.org/courses/ap-spanish-language-and-culture/exam/)	3	9	SPAN 101, SPAN 102, and SPAN 201	✓
	4	12	SPAN 101, SPAN 102, SPAN 201, and SPAN 202	✓
	5	15	SPAN 101, SPAN 102, SPAN 201, SPAN 202, and SPAN 371	✓
Spanish Literature and Culture (https://apcentral.cc/courses/ap-spanish-literature-and-culture/exam/)	3	9	SPAN 101, SPAN 102, and SPAN 201	✓
	4	12	SPAN 101, SPAN 102, SPAN 201, and SPAN 202	✓
	5	15	SPAN 101, SPAN 102, SPAN 201, SPAN 202, and SPAN 374	✓

Geography

Human Geography (https://apcentral.cc/courses/ap-human-geography/exam/)	3+	3	GEOG 110	E-SB	SB
Government					
Government3+ and Politics: Comparative (https://apcentral.cc/courses/ap-comparative-government-and-politics/exam/)	3+	3	PS 260	E-SB	SB
Government3+ Politics: United States (https://apcentral.collegeboard.org/courses/ap-united-states-government-and-politics/exam/)	3+	3	PS 110	E-SB	SB
History					
European History (https://apcentral.collegeboard.org/courses/ap-european-history/exam/)	3	3	HIST 102	F-SB	SB
	4+	6	HIST 102 and 3 hour History lower level elective	F-SB	SB

United States History (https://apcentral.cc/courses/ap-united-states-history/exam/)	3	3	HIST 240 or HIST 241		
	4+	6	HIST 240 or HIST 241 and 3 hour History lower level elective		
World History: Modern (https://apcentral.cc/courses/ap-world-history/exam/)	3+	3	HIST 102	F-SB	SB
	4+	6	HIST 101 and HIST 102	F-SB	SB
Mathematic					
Calculus AB (https://apstudent.collegeboard.org/apcourse/ap-calculus-ab/)	3+	4	MATH 136	F-QR	QR
Calculus BC (https://apcentral.cc/courses/ap-calculus-bc/exam/)	3	4	MATH 136	F-QR	QR
	4+	8	MATH 136 and MATH 137	F-QR	QR
	AB Subscore 4+	4	MATH 136	F-QR	QR
Statistics (https://apcentral.cc/courses/ap-statistics/exam/)	3+	3	MATH 183 or	F-QR	QR

ECON 206

Music					
Music Theory (https://apcentral.collegeboard.org/courses/ap-music-theory/exam/)	3	2	MUS 100		
	4+	4	MUS 100 and MUS 101		
Physics					
Physics I (https://apcentral.collegeboard.org/courses/ap-physics-1/exam/)	3	3	PHYS 101	E-NS, SL	NS, SL
	4	3-4	PHYS 101 or PHYS 201	E-NS, SL	NS, SL
	5	4	PHYS 231 and PHYS 232; or PHYS 201	E-NS, SL	NS, SL
Physics II (https://apcentral.collegeboard.org/courses/ap-physics-2/exam/)	3	4	PHYS 202		
	4+	4	PHYS 332 and PHYS 233; or PHYS 202		
Physics C - Mechanics (https://apcentral.collegeboard.org/courses/ap-physics-c-mechanics/exam/)	3	3	PHYS 101	E-NS, SL	NS, SL
	4	4	PHYS 231, PHYS 232	E-NS, SL	
	5	5	PHYS 255 and PHYS 256	E-NS, SL	NS, SL

Physics C - Electricity and Magnetism (https://apcentral.collegeboard.org/courses/ap-physics-c-electricity-and-magnetism/exam/)	3-4	4	PHYS 332 and PHYS 233		
	5	5	PHYS 265 and PHYS 266		

Psychology					
Psychology (https://apcentral.collegeboard.org/courses/ap-psychology/exam/)	3+	3	PSY 100 or PSYS 100	E-SB	SB

¹ ✓ A minimum score of 3 in a Foreign Language exam will fulfill the World Language Proficiency requirement of the Colonnade Program.

Accounting, Pilot and Bridge Project (APBP)

Students may earn three hours of proficiency non-residence credit for successful completion of the high school Accounting Pilot and Bridge Project (APBP) course. Students who earn credit from the APBP exam will meet the prerequisite for the second introductory accounting course, ACCT 110. Contact the Department of Accounting at Acct@wku.edu or (270) 745-3895 for more information.

ACT or SAT English and Math Proficiency Credit

The WKU course below and 3 credit hours are received with an American College Testing Program (ACT) or Scholastic Assessment Test (SAT) score in the designated test category. WKU does not require the written component on either exam. A student who earns credit for ENG 100 or MATH 116 on the ACT or SAT may not receive additional credit for ENG 100 or MATH 116.

WKU Course	ACT	SAT (Prior to March 2016)	SAT (March 2016)
ENG 100	≥ 29 English	≥ 650 Critical Reading	≥ 35 Writing and Language
MATH 116	≥ 26 Math	≥ 590 Math	≥ 630 Math

Official ACT or SAT scores should be sent by the testing company to the Office of Admissions as part of the admissions process. ACT scores may be obtained by contacting: ACT Records, P.O. Box 451, Iowa City, Iowa 52243, phone (319) 337-1313, or accessing on-line information at <http://www.act.org>.

The following code number should be used to have scores sent to WKU: ACT-1562. SAT score information can be obtained by calling 1-866-756-7346 or on-line at <http://www.collegeboard.com>. The following code number should be used to have scores sent to WKU: SAT-1901. The Office of Admissions will notify applicants who qualify for academic credit on the basis of ACT/SAT scores.

Cambridge International Examinations (AICE)

Cambridge International Examinations provide curriculum for High Schools at advanced levels that offer learners a broad range of AS-level & A-level subjects. Students who participated in the Cambridge Advanced (AICE) program may be awarded Colonnade general education or other WKU credit. An official certifying AICE transcript is required. Evaluation of credit and recommendations are determined by the appropriate WKU academic department.

The grade necessary to earn WKU credit, the corresponding course, and the credit hours which may be earned appears below. The acceptable grade for credit may vary between courses and the level of the exam taken. Credit hour equivalencies are reviewed annually by academic units.

AICE Exam	Exam Grade	WKU Course	WKU Credits	Colonnade Gen Ed
Business (AS-Level)	A, B, or C	BA 110	3	
Business (A-Level)	A, B, or C	BA 110 and MGT 210	6	
Chemistry (AS-Level)	A or B	CHEM 101 or (CHEM 105/ CHEM 106 and CHEM 107/ CHEM 108) or CHEM 120/ CHEM 121	3-8	E-NS & E-SL
Chemistry (A-Level)	A or B	CHEM 101 or (CHEM 105/ CHEM 106 and CHEM 107/ CHEM 108) or (CHEM 120/ CHEM 121 and CHEM 222/ CHEM 223)	3-10	E-NS & E-SL
Computer Science (A-Level)	A, B, or C	CS 146	3	F-QR
Divinity (AS-Level)	A, B, or C	RELS 100 or RELS 101	3	E-AH
Divinity (A-Level)	A, B, or C	RELS 100 and RELS 101	6	E-AH
Economics (AS-Level)	A, B, or C	ECON 150	3	E-SB
Economics (A-Level)	A, B, or C	ECON 202 and ECON 203	6	E-SB

English Language (AS-Level)	A, B, or C	ENG 100	3	F-WI
English Language (A-Level)	A, B, or C	ENG 100	3	F-WI
English Literature (AS-Level)	A, B, or C	ENG 200	3	F-AH
English Literature (A-Level)	A, B, or C	ENG 200	3	F-AH
French Language (AS-Level)	A-E	FREN 201 and FREN 202	6	✓
French Language (A-Level)	A-E	FREN 320 and FREN 321	6	✓
Further Mathematics (AS-Level)	A, B, or C	MATH 136	4	F-QR
Further Mathematics (A-Level)	A, B, or C	MATH 136 and MATH 183	7	F-QR
Geography (AS-Level)	A, B, or C	GEOG 110	3	E-SB
Geography (A-Level)	A, B, or C	GEOG 110	3	E-SB
Global Perspectives and Research (AS-Level)	A-E	SPS 400	3	K-LG
Global Perspectives and Research (A-Level)	A-E	SPS 400	3	K-LG
Information Technology (AS-Level)	A, B, or C	CIS 141	3	E-SB
Information Technology (A-Level)	A, B, or C	CIS 141	3	E-SB
Law (A-Level)	A-D	PLS 225	3	
Media Studies (AS-Level)	A, B, or C	SOM 101	3	
Media Studies (A-Level)	A, B, or C	SOM 101 and SOM 102	6	
Mathematics (AS-Level)	A, B, or C	MATH 116	3	F-QR
Mathematics (A-Level)	A, B, or C	MATH 116 and MATH 117	6	F-QR
Music (AS-Level)	A, B, or C	MUS 120	3	E-AH

Physics (A-Level)	A, B, or C	PHYS 201 and PHYS 202 or PHYS 231 and PHYS 332	8-6	E-NS
Psychology (A-Level)	A, B, or C	PSY 100	3	E-SB
Psychology (AS-Level)	A, B, or C	PSY 100	3	E-SB
Sociology (AS-Level)	A, B, or C	SOCL 100	3	E-SB
Sociology (A-Level)	A, B, or C	SOCL 100	3	E-SB
Spanish Language (AS-Level)	A-E	SPAN 201 and SPAN 202	6	✓
Spanish Language (A-Level)	A-E	SPAN 370 and SPAN 371	6	✓

NOTE: ECON 150 fulfills general education requirements does not apply toward Gordon Ford College of Business majors.

College Level Examination Program (CLEP)

The CLEP examinations may be taken each month at any national testing center, including the testing center at WKU. Information about CLEP may be obtained by writing: CLEP, CN 6600, Princeton, New Jersey 08540-6600, or accessing on-line information at <http://www.collegeboard.com>, or by contacting: DELO Testing Center, Western Kentucky University, Bowling Green, Kentucky 42101, (270) 745-5122. The following code number should be used to have scores sent to WKU: CLEP-1901.

Students may register for CLEP examinations at WKU by contacting the DELO Testing Center or by going online to <http://www.registerblast.com/wku> (<http://www.registerblast.com/wku/>).

Students applying to WKU should have their scores sent to the Office of Admissions. Students currently enrolled at WKU should request their scores be sent to the Office of the Registrar. The appropriate office will then notify applicants who qualify for academic credit.

Policies

1. A student who has completed a course or has received credit by examination at WKU or at another accredited college or university may not receive credit for a CLEP examination of similar content.
2. A student may not take a CLEP examination for credit after having taken a college course at a higher level in the same department (subject matter area).
3. A student may establish credit in all courses or areas in which he/she is able to demonstrate proficiency, provided he/she meets the University's residence requirements for graduation. The credit earned will not count toward WKU residence.
4. A student who fails to earn credit on a CLEP examination may not repeat the same examination within three months of the initial testing date.

5. A student may not repeat by proficiency testing a course which has been previously taken or failed at WKU or another accredited institution.

CLEP Subject Examinations

AP Course	Minimum Score	Credit Hours	Equivalent WKU Course	Colonnade Program	Kentucky Statewide GEN ED Category
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Composition and Literature

American Literature (https://clep.collegeboard.org/composition-and-literature/american-literature/)	50-74	3	Lower level elective		
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American Literature (https://clep.collegeboard.org/composition-and-literature/american-literature/)	75+	3	ENG 391 or ENG 392		
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(<https://clep.collegeboard.org/composition-and-literature/american-literature/>)

Analyzing and Interpreting Literature (https://clep.collegeboard.org/composition-and-literature/analyzing-and-interpreting-literature/)	50+	3	Lower level elective ¹		
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College Composition (https://clep.collegeboard.org/composition-and-literature/college-composition/)	50+	3	ENG 100	F-WI	WC
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(<https://clep.collegeboard.org/composition-and-literature/college-composition/>)

College Composition Modular (https://clep.collegecompositionand-literature/college-composition)	50+	3	Lower level electives		
English Literature (https://clep.collegeboard.org/composition-and-literature/english-literature/)	50-74	3	Lower level elective		
	75+	3	ENG 381 or ENG 382		
Humanities (https://clep.collegeboard.org/composition-and-literature/humanities/)	50+	3	Arts and Humanities lower level elective	E-AH	AH
World Languages					
French Language (https://clep.collegeboard.org/world-languages/french-language/)	50-55	6	FREN 101 and FREN 102	✓	
	56-59	9	FREN 101, FREN 102, and FREN 201	✓	
	60+	12	FREN 101, FREN 102, FREN 201, and FREN 202	✓	
German Language (https://clep.collegeboard.org/world-languages/german-language/)	50-55	6	GERM 101 and GERM 102	✓	
	56-59	9	GERM 101, GERM 102, and GERM 201	✓	

	60+	12	GERM 101, GERM 102, GERM 201, and GERM 202	✓	
Spanish Language (https://clep.collegeboard.org/world-languages/spanish-language/)	50-57	6	SPAN 101 and SPAN 102	✓	
	58-62	9	SPAN 101, SPAN 102, and SPAN 201	✓	
	63+	12	SPAN 101, SPAN 102, SPAN 201, and SPAN 202	✓	
Spanish with Writing (https://clep.collegeboard.org/pdf/spanish-writing-fact-sheet.pdf)	50-64	6	SPAN 101, and SPAN 102	✓	
	65+	12	SPAN 101, SPAN 102, SPAN 201, and SPAN 202	✓	
History and Social Sciences					
American Government (https://clep.collegeboard.org/history-and-social-sciences/american-government/)	50+	3	PS 110	E-SB	SB
History of the United States I (https://clep.collegeboard.org/history-and-social-sciences/history-of-the-us-1/)	50+	3	HIST 240		

History of the United States II (https://clep.collegeboard.org/history-and-social-sciences/history-of-the-us-2/)	50+	3	HIST 241		
Human Growth and Development (https://clep.collegeboard.org/history-and-social-sciences/human-growth-and-development)	50+	3	PSY 220 or PSYS 220	E-SB	SB
Introductory Educational Psychology (https://clep.collegeboard.org/history-and-social-sciences/introduction-to-educational-psychology/)	50+	3	Elective (lower level)		
Introductory Psychology (https://clep.collegeboard.org/history-and-social-sciences/introductory-psychology/)	50+	3	PSY 100 or PSYS 100	E-SB	SB
Introductory Sociology (https://clep.collegeboard.org/history-and-social-sciences/introductory-sociology/)	50+	3	SOCL 100	E-SB	SB

Social Sciences and History (https://clep.collegeboard.org/history-and-social-sciences/social-sciences-and-history/)	50+	3	Social and Behavioral Science lower level elective	E-SB	SB
Western Civilization I (to 1648) (https://clep.collegeboard.org/history-and-social-sciences/western-civilization-1/)	50+	3	HIST 101	F-SB	SB
Western Civilization II (1648-present) (https://clep.collegeboard.org/history-and-social-sciences/western-civilization-2/)	50+	3	HIST 102	F-SB	SB
Science and Mathematics					
Biology (https://clep.collegeboard.org/science-and-mathematics/biology/)	50+	3	BIOL 113	E-NS	NS
Calculus (https://clep.collegeboard.org/science-and-mathematics/calculus/)	50-54	4	MATH 136	F-QR	QR
	55+	4	MATH 137		
Precalculus (https://clep.collegeboard.org/science-and-mathematics/prec calculus/)	50-59	3	MATH 116	F-QR	QR
	60+	4	MATH 136	F-QR	QR

Chemistry 50+ 5 CHEM 120 E-NS, SL NS, SL
(<https://clep.collegeboard.org/science-and-mathematics/chemistry/>)
CHEM 121

College Algebra 50-51 3 MATH 116 F-QR QR
(<https://clep.college-science-and-mathematics/college-algebra/>)

52+ 3 MATH 117 F-QR QR

College Mathematic 50+ 3 MATH 109 F-QR QR
(<https://clep.college-science-and-mathematics/college-mathematics/>)

Natural Sciences 50-59 3 ENV 280 or PH 280 E-NS NS
(<https://clep.collegeboard.org/science-and-mathematics/natural-sciences/>)

60+ 4 GEOG 280 E-NS, SL

Business

Financial Accounting 50+ 3 ACCT 220
(<https://clep.college-business/financial-accounting/>)

Information Systems 50-57 3 Elective
(<https://clep.collegeboard.org/business/information-systems/>)

58+ 3 CIS 141 E-SB SB

Introductory Business Law 50+ 3 MGT 301

(<https://clep.collegeboard.org/business/introductory-business-law/>)

Principles of Macroeconomics 50+ 3 ECON 203 E-SB SB
(<https://clep.college-history-and-social-sciences/principles-of-macroeconomics/>)

Principles of Microeconomics 50+ 3 ECON 202 E-SB SB
(<https://clep.collegeboard.org/history-and-social-sciences/principles-of-microeconomics/>)

Principles of Management 50+ 3 MGT 210
(<https://clep.college-business/principles-of-management/>)

Principles of Marketing 50+ 3 MKT 220
(<https://clep.collegeboard.org/business/principles-of-marketing/>)

¹ Students may earn English 200 credit by passing a departmental exam; go to <https://www.wku.edu/testing/students.php>.

International Baccalaureate

Western Kentucky University recognizes the International Baccalaureate (IB) program completed in high school. Credit will be awarded by earning the required score in a specific subject, and awarded as non-residence credit. To receive credit the student must furnish an official IB transcript to the Office of Admissions issued directly from the New York office of the International Baccalaureate Organization. Specific information about

required scores and credit may be obtained from the Office of Admissions website (<http://www.wku.edu/international/ib.php>).

IB Subject	IB Level	Minimum Score	Credit Hours	WKU Equivalent Course
Language and Literature				
Language A: Literature	SL	5	3	ENG 200
	HL	5	3	ENG 200
Language A: Language and Literature	SL	5	3	ENG 100
	HL	5	3	ENG 100
Language Acquisition (ab initio is for beginners)				
Arabic	SL	4	9	ARBC 101, ARBC 102 & ARBC 201
	SL	5	12	ARBC 101, ARBC 102, ARBC 201 & ARBC 202
	HL	4	12	ARBC 101, ARBC 102, ARBC 201 & ARBC 202
	HL	5	15	ARBC 101, ARBC 102, ARBC 201, ARBC 202, & ARBC 301
Chinese	SL	4	9	CHIN 101, CHIN 102 & CHIN 201
	SL	5	12	CHIN 101, CHIN 102, CHIN 201 & CHIN 202
	HL	4	12	CHIN 101, CHIN 102, CHIN 201 & CHIN 202
	HL	5	15	CHIN 101, CHIN 102, CHIN 201, CHIN 202 & CHIN 301
French ab initio	SL	4+	6	FREN 101 and FREN 102
French	SL	4	9	FREN 101, FREN 102 & FREN 201

	SL	5	12	FREN 101, FREN 102, FREN 201 & FREN 202
	HL	4	12	FREN 101, FREN 102, FREN 201 & FREN 202
	HL	5	15	FREN 101, FREN 102, FREN 201, FREN 202 & FREN 321
German ab initio	SL	4	6	GERM 101 and GERM 102
German	SL	4	9	GERM 101, GERM 102 & GERM 201
	SL	5	12	GERM 101, GERM 102, GERM 201 & GERM 202
	HL	4	12	GERM 101, GERM 102, GERM 201 & GERM 202
	HL	5	15	GERM 101, GERM 102, GERM 201, GERM 202 & GERM 330
Latin	SL	5	6	RELS 150 and RELS 151
	HL	5	6	RELS 150 and RELS 151
Spanish ab initio	SL	4	6	SPAN 101 and SPAN 102
Spanish	SL	4	9	SPAN 101, SPAN 102 & SPAN 201
	SL	5	12	SPAN 101, SPAN 102, SPAN 201 & SPAN 202
	HL	4	12	SPAN 101, SPAN 102, SPAN 201 & SPAN 202
	HL	5	15	SPAN 101, SPAN 102, SPAN 201, SPAN 202 & SPAN 370
Individuals and Societies				
Business Management	SL	5	3	MGT 210

	HL	5	3	MGT 210
Global Politics	SL	5+	3	PS 250
	HL	5+	3	PS 260
History	SL	4	3	Lower division elective in history major or lower division general elective
	HL	4	3	Lower division elective in history major or lower division general elective
Information Technology in a Global Society	SL	4	3	CIS 141
	HL	4	3	CIS 141
Psychology	SL	4	3	PSY 100
	HL	4	3	PSY 100
Social and Cultural Anthropology	SL	4	3	ANTH 120
	HL	4	3	ANTH 120
Sciences				
Biology	SL	5+	3	BIOL 113
	HL	5+	3	BIOL 120
General Chemistry	SL	5+	4	CHEM 105 and CHEM 106
Chemistry	HL	5+	5	CHEM 120 and CHEM 121
Computer Science	SL	4	3	Lower division elective
	HL	5	3	Lower division elective
Environmental Systems and Societies	SL	4	3	ENV 280
	SL	5+	4	GEOG 280
Physics	SL			
	HL	5	3	ASTR 108
Mathematics				
Further Mathematics	HL			
Mathematical Studies	SL	5	3	MATH 116

Mathematics	SL			
	HL	5	8	MATH 136, MATH 137
Arts				
Film	SL	4+	3	FILM 201
	HL	4+	3	FILM 201
Theatre	SL	4	3	THEA 151
	HL	4	3	THEA 151
Visual Arts	SL	4	3	ART 130
	HL	5	6	ART 130, ART 140

Departmental Credit By Examination

Students enrolled at WKU may also receive credit on the basis of departmental examinations, also called departmental comprehensive proficiency assessments. A student may take a departmental comprehensive proficiency assessment in any course listed as satisfying a requirement in any of the categories of general education. Departments may offer departmental comprehensive proficiency assessments in other courses at their discretion.

To assess student proficiency, a department may adopt either a standardized examination available from outside the University or develop an appropriate comprehensive proficiency examination within the department by means of a faculty committee. Departmental comprehensive proficiency assessments may be written, oral or both.

To be eligible to take a departmental comprehensive proficiency assessment, a student must be fully matriculated, in good standing, and regularly enrolled at WKU. Credits earned in this manner will be recorded on the student's official transcript as non-residence credit but will not be considered as a part of the normal semester load in the term in which the examination is taken. A student may not register for a departmental comprehensive proficiency assessment for a course while he or she is enrolled in that course. A student may not take a departmental comprehensive proficiency assessment in a course which has been previously taken at WKU or at another accredited institution.

A student desiring to take a departmental comprehensive proficiency assessment must complete an appropriate request form in the Office of the Registrar. A fee of \$25 per credit hour must be paid at the time the form is submitted. The form must be submitted to the Registrar prior to the end of the third week of classes in either the fall or spring semesters. The Registrar will notify the appropriate department of the student's request. The department will administer the comprehensive proficiency assessment during the seventh week of classes. The student must obtain the specific time and place for testing from the department chair.

After the assessment has been completed, the department chair will notify the Registrar in writing as to whether or not the student demonstrated acceptable proficiency. If the department recommends credit be granted, the semester hours earned will be recorded on the official transcript. However, the credit will not be used in computing the grade point average since letter grades will not be assigned.

Military Service Credit

WKU strives to be a military friendly institution that will provide military personnel the ability to attend WKU and receive college credit for formal courses and primary occupations offered while in the military. WKU awards college credit based on the American Council on Education

(ACE) Guide recommendation, and the credit will count as non-residence credit. Active duty soldiers or military veterans are required to submit official military transcripts prior to admission. Any soldier who is retired or discharged from the military will be required to submit their official military transcripts and a copy of the DD form 214 (Certificate of Release or Discharge from Active Duty of Service) member copy 4. The DD 214 must have characterization of service listed on the form. The DD 214 Form may be requested at <http://www.archives.gov/veterans/military-service-records/>. Official military transcripts may be requested at <https://jst.doded.mil/>. (<https://jst.doded.mil/>)

Prior Learning Assessment

Students who have acquired extensive college-level knowledge and skills in academic areas including but not limited to employment, military experience, civic activities, volunteer service, organizational training or workshops, or other non-traditional means may be granted credit for the knowledge and skills they have gained through nationally standardized exams (AP, CLEP, IB, ACE, etc.), departmental assessments, or portfolio development and evaluation. This policy focuses on portfolio development and evaluation. This policy focuses on portfolio development and evaluation, while referencing national and departmental assessments when appropriate.

Prior learning by portfolio evaluation is considered an opportunity for students to demonstrate their knowledge and is not a guarantee of credit for experience. Students will complete a portfolio of their prior learning as a part of a portfolio development course, IDST 250, taught by an instructor who has undergone training by the Council for Adult and Experiential Learning (CAEL). Please note: the three credits earned in IDST 250 will count toward residence, while the prior learning credit awarded will be treated as non-residence credit. The portfolio, with varying forms of documents, will tie content learning outcomes to the knowledge and skills students have acquired through experiential learning. Credit earned will depend upon the student's ability to produce a portfolio that communicates learning outcomes consistent with the WKU mission on the level expected for the credit sought. Before registering for this course, students will consult with the instructor to evaluate the feasibility of seeking credit in a particular area.

The student will identify a maximum of two content areas for which credit is being sought, and his or her portfolio will be submitted to two full-time WKU faculty members, at least one from each area for which the student is seeking credit, upon successful completion of the course. These faculty experts will review the portfolio and determine if and how much academic credit is to be granted, as well as whether the credit should be given for a specific course, or for non- course-specific credit. The consensus recommendation of the reviewers must be approved by the department chair(s) and dean(s) of the college(s) concerned, and then will be forwarded to the Office of the Registrar to transcript recommended credit.

The portfolio development course, IDST 250, may be repeated for a maximum of three credits. The total number of Prior Learning credits applied toward a WKU credential cannot exceed a quarter of the total hours in the credential. For additional information, please contact: the School of Professional Studies at (270) 745-8973 or visit www.wku.edu/pla (<http://www.wku.edu/pla>).

Articulated Credit Pathways

WKU has an articulation agreement with the Kentucky Department of Education, Office of Career and Technical Education (KDE) to allow students who complete a career pathway and who meet designated

criteria to earn college credit at WKU. Students may earn college credit through the Articulated Credit Pathways upon attaining the required score on the CTE End-of-Program Assessment. Earned credit will not count toward WKU residence credit. There will be no charge to students for any articulated credit covered in this agreement. To be eligible for credit, a student must:

- complete a minimum of 3 high school credits for courses aligned with the Secondary (K-12) State-Approved Career Pathway in the subject area with a GPA of 3.0 or higher or letter grade of B or higher,
- pass the aligned CTE End-of-Program Assessment, inform WKU that they were part of the articulation agreement with their secondary school by supplying appropriate documentation from that school's designated personnel,
- and enroll at WKU within 5 years of graduation.
- Additionally, some departments may require a student to complete credit hours in their particular major at WKU before credit may be awarded i.e., Early Childhood Education, Interior Design and Fashion Merchandising, and Hospitality Management and Dietetics.

Evaluation of credit and recommendations are determined by the appropriate WKU academic department. The corresponding course and the credit hours which may be earned appears below. Credit hour equivalencies are reviewed as needed by academic units.

Articulated Credit Pathway	WKU Course Equivalency	Credit Hours
Agricultural Power, Structural, Technical Systems	AGRI 269	3
Agribiotechnology Systems	AGRI 269	3
Agribusiness Systems	AGRI 269	3
Animal Science Systems	AGRI 269	3
Early Childhood Education	FACS 191	3
Environmental Science	AGRI 269	3
Fashion and Interior Design	IDFM 100	3
Food Science and Processing Systems	AGRI 269	3
Horticulture and Plant Science Systems	AGRI 269	3
Hospitality, Travel, Tourism & Recreation	HMD 171	3
Production Crop	AGRI 269	3

Transfer of Credits

Undergraduate students transferring to WKU are required, as a part of the admission process, to provide the Office of Admissions with official transcripts from all previously attended institutions.

Credits earned at other accredited American institutions of higher education may be transferred to WKU and applied toward a degree. The "Transfer Credit Practices" report published by the American Association

of Collegiate Registrars and Admissions Officers will be the reference used for the evaluation of such credits.

Students who previously earned course credit from a non-regionally accredited institution may petition for recognition of that credit. Consideration will be given to courses whose content suggests competencies at least equivalent to courses offered by WKU. For more information see: <http://www.wku.edu/admissions/transfer/transfercredit.php>.

Courses completed at a baccalaureate degree granting institution will be accepted for transfer credit at the level of the equivalent WKU course. Courses completed at a community or junior college will transfer to WKU as lower division credit only, even if WKU offers a comparable course at the upper division.

Acceptance of transfer credits for a particular major, minor, or certificate is subject to approval by the appropriate academic department.

WKU accepts transfer grades, and those grades will be recorded onto the WKU transcript and computed into the student's overall GPA. Transfer work submitted will be equated to our internal scale and denoted as such on your record. Some academic departments require a minimum grade of "C" in each course applicable toward a major. Refer to the departmental descriptions in this catalog or contact the department chair to determine the specific requirements for each major. Credit for a course in which a failing grade has been received can be earned only by repeating the course in residence unless prior written approval is granted by the chair of the department in which the course is offered.

When a transcript from an accredited institution records credit granted for educational experiences, the credit will generally be accepted in transfer. Approved educational experiences include: credit by exam, advanced placement, prior learning credit, and dual credit high school work. WKU does not accept developmental coursework for degree credit. The student's academic department will decide how and whether the credit applies to degree requirements for a particular major, minor, or certificate. WKU supports the CPE policy which outlines acceptable AP and CLEP scores. The complete CPE policy is available at <http://cpe.ky.gov/policies> (<http://cpe.ky.gov/policies/>). A list of WKU AP/CLEP equivalencies is available at <http://catalog.wku.edu/undergraduate/academic-information/credit-examination> (<http://catalog.wku.edu/undergraduate/academic-information/credit-examination/>).

Graduation honors (e.g., *cum laude*) are based upon students earning a minimum of 45 hours in residence for baccalaureate degrees and a minimum of 27 hours in residence for associate degrees.

The minimum residence requirement for the baccalaureate degree and associate degree is 25% of the minimum number of semester hours required in the student's degree program, earned through instruction at WKU. At least one-third of the hours in the major and minor must be earned at WKU.

Kentucky General Education Transfer Policy

The Kentucky General Education Transfer Policy (2012) provides guidelines for the transfer of general education coursework between Kentucky public postsecondary institutions. The policy guarantees that if a student completes an associate (AA or AS) degree or some general education coursework at a KCTCS college, any Kentucky public university

will accept their general education credits as meeting lower-division general education requirements.

The transfer of general education credits is predicated on the acquisition of competencies in broad academic areas, rather than a comparison of individual courses taken at one institution or another.

The five broad categories are: 1) Arts and Humanities (AH), 2) Communications: Written Communication (WC) and Oral Communication (OC), 3) Natural Sciences: (NS), plus Science Lab (SL), 4) Quantitative Reasoning (QR), and 5) Social and Behavioral Sciences (SB).

The sending institution will indicate, either on the transcript or as an attachment to the transcript, whether the student is Fully Certified, Core Certified, or Category Certified in general education, or if they have completed any of the coded general education courses (i.e., AH, NS, OC, QR, SB, SL, and WC) at their institution.

- **Fully Certified** - All general education requirements are completed (AA and AS degrees guarantee full certification).
- **Core Certified** - The 30 hours of core general education is completed, and remaining general education requirements of the receiving institution are still required.
- **Category Certified** - One or more of the above categories is complete (e.g., AH Category Certified is interpreted as no additional courses are required in the AH category).
- **Course Certified** - The category is not complete, but a course in that category applies to that category.

Questions pertaining to the Kentucky General Education Transfer Policy should be directed to the Transfer Center, Downing Student Union 2135, (270) 745-2178, transfer@wku.edu (transfer@wku.edu). The full CPE General Education Transfer policy can be viewed at the following link: <http://cpe.ky.gov/policies> (<http://cpe.ky.gov/policies/>).

General Education Transfer Policy from States other than Kentucky

Students who complete an associate degree containing 30 unduplicated semester credit hours of General Education (typically an Associate of Arts [AA] or an Associate of Science [AS]) from a regionally accredited institution outside Kentucky are considered to have fulfilled all WKU Colonnade General Education requirements. In addition, students who have fully completed the general education requirements at a regionally accredited four-year institution outside Kentucky are considered to have fulfilled all WKU Colonnade General Education requirements if, and only if, the general education program contains 30 or more unduplicated semester credit hours. In both cases, these credit hours are to be drawn from and include at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural science/mathematics.

General Education Transfer Policy for Institutions that Close

Students who complete all General Education requirements containing 30 unduplicated semester credit hours toward a Bachelor's degree from a regionally accredited institution that is closing or has closed are considered to have fulfilled all WKU Colonnade General Education requirements. These credit hours are to be drawn from and include at least one course from each of the following area: humanities/fine arts, social/behavioral sciences, and natural science/mathematics.

Transfer Student Services

Upon admission and receipt of all transcripts, the student's transfer credit will be recorded into the university's student information system and will be available online at <http://www.topnet.wku.edu> (<http://www.topnet.wku.edu/>) and in WKU's automated degree audit system. Students and academic advisors may view course articulation (or equivalency) on their degree audit prior to the student's participation in the Topper Orientation Program (TOP). The degree audit serves as the official assignment of credits to WKU Colonnade General Education Requirements; however, acceptance of transfer credits for a particular major, minor, or certificate is subject to approval by the appropriate academic department. Students may petition WKU departments to determine if a course should be equivalent to a WKU course. The petition form may be obtained online at http://www.wku.edu/transfer/transfer_petition.pdf.

Transfer Academic Plans

To assist associate degree recipients in understanding the courses needed to complete a baccalaureate degree at WKU, a variety of Transfer Academic Pathway Plans have been established. A list of the specific degree programs and pathway plans are available at <https://www.wku.edu/transfer/plans.php>.

Formal Articulation Agreements

Formal articulation agreements are mutually beneficial partnerships with colleges and universities developed to match coursework between institutions to help students make a smooth transition from other institutions. These agreements specify how transfer credit will be applied toward general education or other degree requirements. WKU's formal articulation agreements are available at <http://www.wku.edu/academicaffairs/pd/articulation.php>.

International Transfer Credit

Transfer credit from foreign educational institutions may be granted after a determination of the type of institution involved, its recognition by the educational authorities of the foreign country, and an evaluation of the content and level of the courses. Extensive use is made of professional references which describe the educational systems and programs of individual countries.

Students who have attended an educational institution located outside of the United States will need to request all schools attended to send the official transcript(s) directly to Western Kentucky University. Some educational institutions do not issue transcripts to other schools; instead they issue transcripts or the original certificate/mark sheet to students. In this case, students must make a photocopy of the original transcript/certificate/mark sheet and have the school attended (or a certified translation service firm) certify/attest that the photocopy is a true copy of the original document. Consulates and embassies often serve as a resource for the attestation of educational documents. Students on WKU's campus may bring the original transcript(s) or document(s) to the International Admissions Office for review and verification. For more information, contact iss@wku.edu.

WKU Students who Study Abroad

Transfer credit is awarded upon receipt of an official transcript from an international institution, only if the study abroad experience was pre-approved by the Office of Study Abroad and Global Learning. Transfer credit will be converted to semester hours, and all courses and grades are

transferred. Additional information is available at http://www.wku.edu/studyabroad/academic_credit.php.

WKU Students who Enroll Elsewhere

WKU students occasionally enroll in courses at other institutions, usually during the summer term or through the "Study Away" program. Prior to such enrollment, students should access the online transfer equivalency guide available through the Transfer Center website (see View Transfer Credit Equivalencies at <http://www.wku.edu/transfer/transferhow.php>.) This site provides the exact equivalency by course between institutions, if the course has been articulated. Approval for credits to be applied to WKU Colonnade General Education Requirements is provided by the Analyst for Transfers within the Transfer Center, and will appear on TopNet and the degree audit. Approval for transfer courses to be applied to a major, minor, or other programs should be obtained from the appropriate academic department.

Questions pertaining to transfer policies, services or procedures should be directed to the Transfer Center, Downing Student Union 2135, (270) 745-2178, transfer@wku.edu.

Academic Definitions

Academic Program – is a combination of courses and related activities organized for the attainment of broad educational objectives that lead to a certificate or diploma or an associate's, bachelor's, master's, specialist, or doctoral degree (CPE, 2011).

Degree – is an award conferred by a postsecondary education institution as official recognition for the successful completion of an academic program (CPE, 2011).

Associate's Degree – is an award that normally requires at least 60 semester credit hours or the equivalent (CPE, 2011).

Bachelor's Degree – is an award that normally requires at least 120 semester credit hours or the equivalent. This includes all bachelor's degrees conferred in a five-year cooperative (work-study) program and degrees in which the normal four years of work are completed in three years (CPE, 2011).

Undergraduate (pre-baccalaureate) Certificate – is a sub-baccalaureate credential granted upon satisfactory completion of a coherent course of study that is compatible with the stated mission and goals of WKU and appropriate to the field of higher education (SACSCOC). Certificates should lead to the acquisition of a defined set of skills or expertise that will enhance employability or meet a professional development need. A certificate may be earned as a standalone credential. Please refer to the Degree Requirements and Programs sections of the undergraduate catalog to learn more about undergraduate certificate programs at WKU.

Major – is a primary area of study defined by a set of course and / or credit hour requirements within a specified discipline or with a clearly defined multi-disciplinary focus (CPE, 2011). Minors are only available to students seeking a baccalaureate degree.

Minor – is a secondary area of study that is separate from the major and is defined by a set of course and / or credit hour requirements within a specified discipline or with a clearly defined multi-disciplinary focus (CPE, 2011).

Concentration – is a set of courses designed to develop expertise within a major (CPE, 2011). The Kentucky Council on Postsecondary Education

(CPE) defined specific terminology for a set of courses designed to develop expertise within a major, and the term varies by degree level. Track is the specified term at the undergraduate level, Concentration at the master's level, and Specialization at the doctoral level. Tracks, Concentrations, and Specializations are noted in the WKU catalog, TopNet, degree audit, and on the WKU transcript as "Concentration."

The Kentucky Council on Postsecondary Education approves new academic programs and in 2011 developed New Academic Programs: Policy and Procedures (<http://cpe.ky.gov/policies/academicprograms.html>). Within the new policy are definitions noted above.

Academic Degree Types

Baccalaureate Degrees

Western Kentucky University confers seven baccalaureate degrees: Bachelor of Arts, Bachelor of Science, Bachelor of Interdisciplinary Studies, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Science in Nursing, and Bachelor of Social Work. To determine the degree awarded upon the completion of a specific program of study, consult the chart found under "Major Programs of Study" on the following pages.

AB (Artium Baccalaureus/Bachelor of Arts) degrees typically emphasize the social sciences, arts, humanities, and foreign languages. The degree is intended to advance student understanding of human culture through examination of historical, social, religious and political contexts; analysis of ideas; appreciation of art and creative endeavors; knowledge of philosophical theories; and achievement of language competency. AB requirements typically promote broad preparation within a discipline.

BS (Bachelor of Science) degrees typically emphasize the natural sciences, mathematics and technology. The degree is intended to advance student preparation in reasoning, analysis, experimentation and the application of scientific principles in problem-solving consistent with professional or technical preparation. BS requirements typically promote depth of preparation within a discipline.

BIS (Bachelor of Interdisciplinary Studies) provides an alternative baccalaureate degree program for students who do not need or desire the academic specialization involved in traditional major or major/minor programs. This degree program allows considerable latitude and flexibility to satisfy individual interests and needs.

BFA (Bachelor of Fine Arts) is the initial professional degree in fine arts. It prepares students for a professional studio practice through an intensive artistic and academic experience. Students develop strong personal concepts along with technical proficiency creating a cohesive body of work on which to base an individual, sustainable studio practice.

BM (Bachelor of Music) provides intensive study in music leading to three distinct P-12 teaching certifications (vocal, instrumental, integrated) or a performance degree that supports private studio teaching or graduate study.

BSN (Bachelor of Science in Nursing) is an entry-level degree for professional nursing. It prepares the graduate to be a professional nurse who can practice in a variety of settings and who has the knowledge base to pursue graduate study in nursing.

BSW (Bachelor of Social Work) is the only undergraduate major that educates students to be professional social workers. BSW graduates are prepared for immediate entry into direct human service professional

positions. They possess the intellectual, practical and professional skills needed to promote beneficial change in the lives of their clients.

A baccalaureate degree requires a minimum of 120 unduplicated semester hours, according to one of the following options:

- Students with a major that is 48 hours or more are not required to declare a second major or minor, unless specified by the department.
- Students with a major below 48 hours must select a second major or minor. Students who select a major and minor combination must have 54 hours total between the major and minor and 48 hours unduplicated.
- Students pursuing the Bachelor of Interdisciplinary Studies are required to select an emphasis of study and may also select a minor. No hours may be duplicated between the emphasis and minor.
- A certificate of 12 or more semester credit hours may substitute for "minor" in all the above

Associate Degrees

Western Kentucky University confers four associate degrees: Associate of Arts, Associate of Science, Associate of Science in Nursing, and Associate of Interdisciplinary Studies. To determine the degree awarded upon the completion of a specific program of study, consult the program information within the undergraduate catalog.

Certificate Programs

A certificate program is a coherent course of study that is compatible with the stated mission and goals of WKU and appropriate to the field of higher education (SACSCOC). Certificates should lead to the acquisition of a defined set of skills or expertise that will enhance employability or meet a professional development need. A certificate may be earned as a standalone credential.

To create a certificate at WKU, the certificate must demonstrate demand (student or market) in a field and meet one of the following criteria:

- Includes collaboration with area businesses or industries
- Provides training in a specific marketable skill, continuing education, or licensure/ certification/accreditation
- Complements multiple programs
- Responds to a state mandate

Creation of new certificate programs requires internal approval, as well as approval from the Council for Postsecondary Education. In addition, SACSCOC approval may be required. Consultation with the WKU Provost's Office is necessary to determine if a new certificate program reflects a substantive change and must undergo SACSCOC review. Internal approvals are the same as those for new degree programs.

An undergraduate certificate program must meet the following criteria:

- Consist of a minimum of 12 undergraduate credit hours
- Must include an upper level component of at least 3 hours*
- Must not include hidden pre-requisites or co-requisites
- Certificate programs may be substituted for a minor. Beginning fall 2021, certificate programs can be counted in place of a minor if (a) the major and certificate combination consists of at least 50% upper level hours, and (b) the two programs consist of at least 48 unduplicated hours.

- All courses earned toward the certificate must be letter graded except for those courses exclusively offered as pass/fail, which can encompass no more than 25% of the certificate program
- Academic certificate programs eligible for federal financial aid are subject to the United States Department of Education (DOE) Gainful Employment regulations. Academic units wishing to offer such certificate programs must first consult with the WKU Office of the Provost to ensure that all DOE Gainful Employment regulations are met.

Students may achieve an undergraduate certificate if the following requirements are met:

- A minimum of 50% of hours earned toward the certificate are earned at WKU
 - A minimum GPA of 2.0 must be earned in total course work required for the certificate program, in addition to a minimum cumulative 2.0 GPA and a minimum 2.0 GPA earned in WKU coursework
 - Students should apply for the certificate the semester prior to completion
 - Only hours appearing on the undergraduate transcript may be counted toward undergraduate certificates
- * Current certificate programs that don't meet this standard will be grandfathered in.

University Libraries

University Libraries

Cravens Library, Office 101

Phone: 270-745-2904

Website: www.wku.edu/library (<https://www.wku.edu/library/>)

Susann deVries, Dean

Email: Susann.deVries@wku.edu

The University Libraries of WKU invites you to discover success with outstanding personnel, facilities, support services, and information resources to foster a dynamic learning and research environment through which our community can effectively explore, access, and use information.

The University Libraries serves as a regional lighthouse by:

Creating Environments

Swing by and check out the [new](#) Commons at Helm Library! Multiple collaborative and independent spaces are available for all to use and gather in an environment that harnesses active learning and creates a culture of innovation to power the intellectual. University Libraries offers both physical and electronic collections and support services to meet the needs of each student whether on campus, at home or on-the-go. Helm Library is currently undergoing renovations, expected to re-open in 2021, to transform its facility into an innovative, intellectual hub with a modern, multipurpose, student-centered space.

Connecting People

The library faculty and staff are committed to helping individuals achieve their academic goals. Through individual consultation, classroom instruction, online chatting, and phone conversations, University Libraries professionals connect with all so individuals may become independent thinkers, lifelong learners and global citizens.

Collaborating with All

The Libraries are continuously challenged to balance the resources of the present, while preserving the past, and preparing for the future. Technology, digital resources, and the plethora of information have transformed library services. The Special Collections Library houses a wealth of primary research materials in physical and digital format, most relating to the university and the state of Kentucky. TopSCHOLAR® –the open, scholarly and creative database of WKU – provides access of WKU intellectual assets to researchers from around the world. Our University Libraries also collaborates with institutions across Kentucky and globally to effectively deliver Interlibrary Loan resources.

Find us online at [wku.edu/library](https://www.wku.edu/library) (<https://www.wku.edu/library/>) for research guides, news and information.

Potter College of Arts & Letters

Ivan Wilson Center for Fine Arts, Office 200

Phone: (270) 745-2344; Fax: (270) 745-5734

Website: <http://www.wku.edu/pcal> (<http://www.wku.edu/pcal/>)

Dr. Terrance Brown, Dean

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(lawrence.snyder@wku.edu)

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Dr. Jeff Budziak, Associate Dean

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Mission

Potter College of Arts & Letters takes as its primary area of scholarly concern the study of humanity—its past, present, and future, as well as its aesthetic expression, metaphysical concerns, and social interaction. Potter College is proud to prepare students to enter a wide range of careers as well as programs of advanced study. More than 200 faculty members provide instruction in eleven schools and departments. Potter College, in cooperation with the Graduate School, offers MA, MFA, MM, and MPA degrees as well as graduate certificates.

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Department of Art & Design

Kristina Arnold, Chair

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Department of Art & Design Mission Statement

To complement the mission of the University, the Department of Art & Design dedicates its efforts toward the following mission: *The WKU Department of Art & Design offers paths to explore, experience, and expand the possibilities of artistic expression, an indispensable part of human society.* It seeks to accomplish this mission through creativity, research, and effective use of its multiple resources.

The Department of Art & Design offers three undergraduate degree programs: the Bachelor of Fine Arts in Visual Arts with concentrations in Studio, Graphic Design, Animation, and UX Design; the Bachelor of Arts in Visual Studies with either a concentration in Art Education or a Studio concentration and a Bachelor of Arts in Art History. In addition, the department offers undergraduate minors in Art History, Computer Animation, Graphic Design, and Studio Art; and Certificates in Graphic Design, Game Design, and User Experience. A broad outline of purposes and suggested programs of study are listed below for each major and minor. WKU is a NASAD (National Association of Schools of Art and Design) accredited institution.

Individuals or groups interested in touring the department's facilities may make an appointment through the Office of Admissions (270) 745-2551, or the Department of Art & Design (270) 745-3944. Please visit the department's website, www.wku.edu/art (<http://www.wku.edu/art/>), for further details.

Through the University Gallery, the department presents exhibitions, lectures, and workshops by nationally recognized artists designed to enhance the education of art students while serving the entire university and larger community. Faculty exhibitions, juried student shows, and graduating senior exhibitions are scheduled annually.

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Faculty

Professor

Kristina E. Arnold MFA (Art, Painting), University of Tennessee, Knoxville, 2003

Miwon Choe PhD (Curriculum and Instruction), Indiana University-Bloomington, 2001

Michael A. Nichols MFA (Fine Arts, Painting), Fontbonne College, 2000

Yvonne Petkus MFA (Art, Painting), University of Washington, 1996

Joon G. Sung MFA (Computer Graphics), Syracuse University Main Campus, 2001

Matthew L. Tullis MFA (Visual Design), Temple University, 1991

Associate Professor

Ingrid A. Cartwright PhD (Art History), University of Maryland College Park, 2007

Guy D. Jordan PhD (Art History), University of Maryland College Park, 2007

David M. Marquez MFA (Art), University of Iowa, 2003

Marilee D. Salvator MFA (Art Studio), University of New Mexico Main Campus, 2004

William M. Simpson MA (Art), Marshall University, 1982

Assistant Professor

Kara E. Glenn MFA (Fine Arts), Full Sail Real World Education, 2019

Truc T. Tran MA (Animation), Fairleigh Dickinson University, 2020

Natalie C. Tyree MFA (Graphic Design), Indiana State University, 2013

Instructor I

Kelley K. Coppinger BFA (Advertising Art, French), University of North Texas, 1989

David M. Vawter BA (Germanic Studies), Indiana University-Bloomington, 2019

Visiting In-Residence

Harold G. Strange MFA (Art), Arizona State University-ALL, 1993

Art History, Bachelor of Arts (613)

Program Coordinator

Guy D. Jordan, guy.jordan@wku.edu, (270) 745-8865

The Bachelor of Arts in Art History provides WKU students with a broad and thorough understanding of the history and function of the visual arts from ancient times to the present day. Majors will critically analyze paintings, prints, sculpture, architecture, and other visual media to investigate a range of historical and philosophical issues with which the arts have been deeply involved. As such, majors will gain an understanding of how visual practices proactively articulate and motivate rather than simply illustrate, record, or reiterate history.

With an emphasis on reading, writing, research, and critical analysis the AB in Art History contributes experiences useful to a broad range of possible careers, including museum, gallery, and auction house curatorial duties, art appraisal, conservator and registrar positions, docent roles, archiving, and grant writing interests.

Program Requirements (36 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major requires courses to be taken across a range of chronological periods, ensuring that graduates possess a broad understanding of the field, yet it also allows students to focus their studies on particular historical periods or geographical regions that interest them. A minor or second major is required. No more than 6 hours in the art history major may count toward a student's minor. No grade of "D" or below may be counted toward the major.

The program requires two introductory courses (ART 105 and ART 106) that provide foundational knowledge of the history of global art, one course (ART 130, ART 131, or ART 140) that familiarizes students with the fundamental concepts of art making, and a course in contemporary art that ensures students have a strong grounding in current trends. The two other required courses are a theory and methodology class (ART 405), and a capstone seminar (ART 494). To ensure significant breadth, among the six electives required for the major, at least one must be chosen from each of the five chronological categories. The remaining elective may be customized to accord with the research interests of the student, and allows for a significant degree of expansion into visually oriented coursework in other disciplines.

Code	Title	Hours
ART 105	History of Art to 1300	3
ART 106	History of Art Since 1300	3
Select one of the following:		3
ART 130	Two-Dimensional Design	
ART 131	Three-Dimensional Design	
ART 140	Drawing	
ART 405	Art Theory and Criticism	3
ART 494	Seminar in Art History	3
ART 390	Contemporary Art	3
ART 325 or ART 407	Art of Asia, Africa, and the Americas Islamic Art and Architecture	3
ART 305 or ART 316	Ancient Greek and Roman Art Medieval Art & Architecture	3
Select one of the following:		3
ART 314	Southern Baroque Art	
ART 315	Northern Baroque Art	
ART 401	Art of the Italian Renaissance	
ART 403	Northern Renaissance Art	
Select one of the following:		3

ART 312	Art of the United States to 1865	
ART 408	European Art, 1700-1848	
ART 409	European Art, 1848-1900	
ART 313 or ART 410	Art of the United States Since 1865 European Art, 1900-1945	3
Select one of the following:		3
ANTH 130	Introduction to Archaeology	
ANTH 432	Field Course in Archaeology	
ANTH 434	Graveyard Archaeology	
ANTH 448	Visual Anthropology	
ANTH/FLK 470	Museum Procedures and Preservation Techniques	
ART 334	Survey of Graphic Design	
ART/FLK 445	American Architectural History	
ENG 465	Film Genres	
ENG 466	Film Theory	
FLK 434	Historic Preservation	
FLK 445	American Architectural History	
FLK 464	Vernacular Architecture	
FREN 450	Topics in Francophone Cinema	
GERM 437	German Literature and Film	
IDFM 151	Survey of Architecture and Interiors I	
IDFM 152	Survey of Architecture and Interiors II	
IDFM 332	History of 20th Century Fashion	
IDFM 424	Historic Textiles	
IDFM 434	History of Costume	
IDFM 446	Restoration of Historic Interiors	
PHIL 102	Enduring Questions: The Good and the Beautiful	
PHIL 305	Aesthetics	
SPAN 490	Hispanic Cinema	
Total Hours		36

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
ART 105 or ART 106		3 ART 105 or ART 106	3
ART 130, ART 131, or ART 140		3 HIST 101 or HIST 102	3
ENG 100		3 MATH 109	3
COMM 145		3 ENG 200	3
Colonnade - Social & Behavioral		3 Colonnade - Natural & Physical Sciences w/ lab	3
		15	15
Second Year			
Fall	Hours	Spring	Hours
ART 305 or ART 316		3 ART 314, ART 315, ART 401, or ART 403	3
Colonnade - Social & Cultural		3 ENG 300	3
Colonnade - Natural & Physical Sciences w/ no lab		3 Colonnade - Local to Global	3

World Language Requirement or Elective Course	3 World Language Requirement or Elective Course	3
2nd Major/Minor/ Elective Course	3 2nd Major/Minor/ Elective Course	3

15

15

Third Year

Fall	Hours	Spring	Hours
Art History Restricted Elective		3 ART 312, ART 408, or ART 409	3
Colonnade - Systems		3 ART 313 or ART 410	3
ART 325 or ART 407		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3

15

15

Fourth Year

Fall	Hours	Spring	Hours
ART 390		3 ART 405	3
ART 494		3 World Language Requirement or Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3

15

15

Total Hours 120

Art History, Minor (316)

Program Coordinator

Guy D. Jordan, guy.jordan@wku.edu, (270) 745-8865

Program Requirements (21 hours)

Code	Title	Hours
ART 105	History of Art to 1300	3
ART 106	History of Art Since 1300	3

Select three of the following: 9

ART 305	Ancient Greek and Roman Art
ART 312	Art of the United States to 1865
ART 313	Art of the United States Since 1865
ART 314	Southern Baroque Art
ART 315	Northern Baroque Art
ART 316	Medieval Art & Architecture
ART 325	Art of Asia, Africa, and the Americas
ART 334	Survey of Graphic Design
ART 390	Contemporary Art
ART 401	Art of the Italian Renaissance
ART 403	Northern Renaissance Art
ART 407	Islamic Art and Architecture
ART 408	European Art, 1700-1848
ART 409	European Art, 1848-1900
ART 410	European Art, 1900-1945
ART 445	American Architectural History

ART 405	Art Theory and Criticism	3
ART 494	Seminar in Art History	3

Total Hours 21

See course descriptions for further details.

Computer Animation, Minor (352)

Program Coordinator

Kristina E. Arnold, kristina.arnold@wku.edu, (270) 745-3944

Program Requirements (21 hours)

The computer animation minor is dedicated to the creation of time-based artistic productions by means of emerging computer technologies and processes.

Code	Title	Hours
Select one of the following introductory courses:		3
ART 130	Two-Dimensional Design	
ART 131	Three-Dimensional Design	
ART 140	Drawing	
Required:		12
ANIM 210	Introduction to Computer Animation	
ANIM 220	3D Modeling I: Environment	
ANIM 310	Computer Animation I	
ANIM 344	Computer Animation II	
Select two of the following restricted electives:		6
ANIM 320	3D Modeling II: Character Design and Development	
ART 444	Computer Animation III	
ANIM 330	Sound and Image	
ART 497	Special Topics in Animation	
BCOM 394		
CS 301	Game Programming	
Total Hours		21

Game Design, Certificate (1761)

Program Coordinator

Kristina E. Arnold, kristina.arnold@wku.edu, (270) 745-3944

Program Requirements (18 hours)

Game Design is an interdisciplinary certificate including departments from PCAL (Art, Communication) and OCSE (Computer Science). It is open to all students with an interest in computer game design.

Students who successfully complete the certificate will:

- Design and build a functioning game.
- Demonstrate practical skills in at least one industry-standard programming language.
- Explore at least one industry-standard game design engine.
- Demonstrate the ability to successfully use the elements and principles of design to visually communicate ideas.
- Demonstrate logical thinking, critical thinking skills, and problem-solving.

This 6-course, 18-hour Game Design Certificate includes one basic Computer Science course (to be selected from CS 146 or CS 170 or CS 180 or CS 239), one required Computer Science course (CS 301), one foundations-level art course (to be selected from ART 130 or ART 131 or ART 140), one required art course (ANIM 310), one Communication course (UX 380), and one restricted elective to be selected from: ANTH 448; ART 105; ART 106; ANIM 344; ART 390; ART 405; ART 431; ART 436; BCOM 264; CS 270; CS 290; ENG 203; ENT 312; MUS 120; POP 201; THEA 101; THEA 303; SOCL 245; UX 330; or an additional selection from the basic computer science courses (CS 146; CS 170; CS 180; CS 239). Within Computer Science, courses must be taken in numerical sequence, no other specific course sequences are necessary. This flexibility allows for multiple entry points into the program.

Code	Title	Hours
Required Courses (18 hours)		
CS 301	Game Programming	3
ANIM 310		3
UX 380	Gaming, Culture, Theory and Practice	3
Select one course from the following Computer Science courses (3 hours):		3
CS 146	Introduction to Programming	
or CS 170	Problem Solving and Programming	
or CS 180	Computer Science I	
or CS 239	Problem Solving with Computational Techniques	
Select one course from the following Art courses (3 hours):		3
ART 130	Two-Dimensional Design	
or ART 131	Three-Dimensional Design	
or ART 140	Drawing	
Elective Course (3 hours)		3
ANTH 448	Visual Anthropology	
ART 105	History of Art to 1300	
ART 106	History of Art Since 1300	
ANIM 344		
ART 390	Contemporary Art	
ART 405	Art Theory and Criticism	
ART 431	Illustration	
ART 436	Electronic Illustration	
BCOM 264	Digital Video Production and Distribution	
CS 270	Introduction to Web Programming	
CS 290	Computer Science II	
ENG 203	Creative Writing	
ENT 312	Entrepreneurship	
MUS 120	Music Appreciation	
POP 201	Introduction to Popular Culture Studies	
THEA 101	Acting I	
THEA 303	Acting for the Camera	
SOCL 245	Sociology of Popular Culture	
UX 330	Interactive Design	
Or select from the following Computer Science courses:		
CS 146	Introduction to Programming	

or CS 170	Problem Solving and Programming
or CS 180	Computer Science I
or CS 239	Problem Solving with Computational Techniques

Total Hours**18**

Graphic Design, Certificate (1762)

Program Coordinator

Natalie C. Tyree, natalie.tyree@wku.edu

Program Requirements (18 hours)

This 6-course, 18-hour Graphic Design Certificate includes four required courses and two restricted electives, all taught in the Department of Art. Required courses are ART 130 OR ART 140 ; ART 243; ART 231; and ART 334 (an art history course). Electives can be selected from ART 330; ART 331; ART 430; ART 431; ART 432; ART 433; ART 436 and ART 438. 100-level courses are prerequisites for 200-level courses; 200-levels are prerequisites for 300-levels; and 300-levels are prerequisites for 400-levels. If no 400-level courses are selected, the certificate can be completed in three semesters, or two semesters and a summer / winter session.

This certificate will teach students to become more effective visual communicators. Students will learn the basic tenets, strategies and tools of visual communication and graphic design, including how to generate and edit images and visually-based multimedia content. Students will learn industry-standard tools and software for both analog and computer-aided design for digital, print and web applications; including page layout, image editing, and illustration. Students will gain experience in creating assets for use in book and scientific illustration and layout, advertising or marketing campaigns, and infographics. Elective courses allow students to cater to more specific interests (for example illustration) if desired. This certificate can be paired with any major that would benefit from an enhanced ability in visual communication, including studio art, professional writing, marketing, advertising, journalism, broadcasting, film, entrepreneurship, and biology, among others.

Code	Title	Hours
Required Courses (12 hours)		
ART 130	Two-Dimensional Design	3
or ART 140	Drawing	
ART 243	Digital Media	3
ART 231	Graphic Design	3
ART 334	Survey of Graphic Design	3
Restricted Electives (6 hours)		6
Select two courses from the following Art courses:		
ART 330	Graphic Design	
ART 331	Visual Thinking	
ART 430	Graphic Design	
ART 431	Illustration	
ART 432	Portfolio	
ART 433	Package Design	
ART 436	Electronic Illustration	
ART 438	Advanced Media Design	

Total Hours**18**

Graphic Design, Minor (385)

Program Coordinator

Natalie C. Tyree, natalie.tyree@wku.edu

Program Requirements (24 hours)

Code	Title	Hours
Foundation Courses:		
ART 130	Two-Dimensional Design	3
ART 140	Drawing	3
ART 105 or ART 106	History of Art to 1300 History of Art Since 1300	3
ART 231	Graphic Design	3
ART 330	Graphic Design	3
Select three of the following graphic design elective courses:		9
ART 331	Visual Thinking	
ART 334	Survey of Graphic Design	
ART 430	Graphic Design	
ART 431	Illustration	
ART 433	Package Design	
ART 436	Electronic Illustration	
ART 438	Advanced Media Design	
Total Hours		24

See course descriptions for further details.

Studio Art, Minor (312)

Program Coordinator

Marilee D. Salvator, marilee.salvator@wku.edu, (270) 745-3944

Program Requirements (30 hours)

Code	Title	Hours
Foundation Courses:		
ART 130	Two-Dimensional Design	3
ART 131	Three-Dimensional Design	3
ART 140	Drawing	3
Select two of the following studio courses:		6
ART 220	Ceramics	
ART 231	Graphic Design	
ART 240	Drawing	
ART 243	Digital Media	
ART 250	Printmaking	
ART 260	Painting	
ART 270	Sculpture Survey I	
ART 280	Weaving	
Select five courses in upper-level studio elective courses		15
Total Hours		30

See course descriptions for further details.

User Experience, Certificate (1747)

Program Coordinator

William M. Simpson, mark.simpson@wku.edu, (270) 745-5838

Program Requirements (18 hours)

Code	Title	Hours
Introductory Course (Pick 1):		3
AD 210	Software Studio	
ART 243	Digital Media	
Required Courses		12
UX 220	Introduction to User Experience Design	
UX 330	User Interface Design	
UX 340	Introduction to Developing and Prototyping for Interactive Design	
UX 400	User Experience Advanced Studio I	
Restricted Electives (Pick 1)		3
UX 300	User Experience Strategy & Content Creation	
ART 331	Visual Thinking	
UX 430	Advanced User Interface Design	
UX 440	Advanced Developing and Testing for Interactive Design	
Total Hours		18

Visual Arts, Bachelor of Fine Arts (514P, 514)

Program Coordinator

Kristina E. Arnold, kristina.arnold@wku.edu, (270) 745-3944

The Bachelor of Fine Arts degree is the initial professional degree sought for careers in visual arts and design. The Department of Art & Design offers four concentrations. The BFA in Studio concentration prepares students for a professional studio practice through rigorous artistic and academic experience. It is also the standard requirement for entrance into Masters of Fine Arts degree programs, the most common route to teaching studio art at the college level. The BFA Graphic Design concentration prepares students for careers in the visual communications field, including web design, print design, illustration, and new media. The Animation concentration prepares students for careers in fields such as animation and game design, and for professional arts practices in time-based media. The UX Design concentration prepares students for fields that incorporate interactive platform design and function.

Concentrations begin with a foundation of drawing, 2-D design, 3-D design, and art history surveys. Students then focus on a specific curricular sequence of interest to them: animation, graphic design, studio art (ceramics, printmaking, painting, sculpture, weaving), or UX design. Portfolio and seminar classes serve as the capstone experiences for BFA students in each concentration, where personal concepts and technical proficiency typically yield a cohesive body of work or competitive professional portfolio. In each concentration, the goal for the BFA student is to forge a professional practice in their chosen area.

Concentrations

- Graphic Design (ARGD)
- Studio (ARST)

- Animation (ARAN)
- User Experience Design (ARUX)

Program Requirements (79 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major requires 79 semester hours of study. Entry into the BFA in Visual Arts program may be accomplished in one of two ways: have a minimum overall GPA of 3.0 in art and art history courses to include: ART 105 or ART 106, ART 130, ART 131, ART 140, a basic studio course at the 200-level, and an upper-level 300 studio course, or have a minimum GPA of 2.5 for these same courses and pass a department portfolio review conducted by a faculty committee. Transfer students will be required to meet the second of these two options. Any student denied entrance in their initial portfolio review and having less than 36 hours in art and art history, while maintaining a 2.5 GPA in the continuing art courses, may reapply once. Prior to meeting these standards, students pursuing the BFA will be designated as reference number 514P.

The major offers four concentrations, Animation, Graphic Design, Studio, and UX Design. All concentrations require the following Art & Design Foundations courses:

Code	Title	Hours
Required Courses		
ART 105	History of Art to 1300 ¹	3
ART 106	History of Art Since 1300 ¹	3
ART 130	Two-Dimensional Design ¹	3
ART 131	Three-Dimensional Design ¹	3
ART 140	Drawing ¹	3
Total Hours		15

¹ Students may have no more than one "D" for a final grade.

Additionally, students must take the following courses for each concentration:

Studio Concentration

Code	Title	Hours
Beginning-Level Studio Courses		
Select four of the following:		12
ANIM 210 or ANIM 220	Introduction to Computer Animation 3D Modeling I: Environment	
ART 220	Ceramics	
ART 231	Graphic Design I: Typography	
ART 243	Digital Media	
ART 250	Printmaking	
ART 260	Painting	
ART 270	Sculpture Survey I	
ART 280	Weaving	

Required Drawing Courses

ART 240	Drawing	3
ART 340	Drawing	3
ART 341	Drawing	3

Studio Area of Focus

Choose seven upper-level studio focus courses	21
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Studio Upper-Level Electives

Choose three upper-level elective studio courses	9
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Art History Upper-Level Electives

Select three of the following (either ART 405 or ART 390 is required):	9
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ART 305	Ancient Greek and Roman Art
ART 312	Art of the United States to 1865
ART 313	Art of the United States Since 1865
ART 314	Southern Baroque Art
ART 315	Northern Baroque Art
ART 316	Medieval Art & Architecture
ART 317	Art and Power
ART 318	Art and Landscape
ART 325	Art of Asia, Africa, and the Americas
ART 334	Survey of Graphic Design
ART 390	Contemporary Art
ART 401	Art of the Italian Renaissance
ART 403	Northern Renaissance Art
ART 405	Art Theory and Criticism
ART 407	Islamic Art and Architecture
ART 408	European Art, 1700-1848
ART 409	European Art, 1848-1900
ART 410	European Art, 1900-1945
ART 445	American Architectural History
ART 494	Seminar in Art History

Portfolio and Capstone Requirement:

ART 432	Portfolio	3
ART 434	Capstone Seminar	1

Total Hours	64
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Animation Concentration

Code	Title	Hours
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Basic Studio Courses

Select two of the following:	6
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ART 220	Ceramics
ART 250	Printmaking
ART 260	Painting
ART 270	Sculpture Survey I
ART 280	Weaving

Required Basic Course	3
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ART 243	Digital Media
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Required Drawing/Illustration Courses (select two of the following):	6
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ART 240	Drawing
ART 340	Drawing
ART 431	Illustration

Select 2 upper-level elective studio courses	6
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Animation Concentration Focus:

Basic Animation Courses		12
FILM 100	Film Industry and Aesthetics	
FILM 202	Basic Film Production	
ANIM 210	Introduction to Computer Animation	
ANIM 220	3D Modeling I: Environment	
Advanced Animation Requirements		18
ANIM 310	Computer Animation I	
ANIM 320	3D Modeling II: Character Design and Development	
ANIM 344	Computer Animation II	
ART 444	Computer Animation III	
ANIM 330	Sound and Image	
ART 497	Special Topics in Animation	
Animation Restricted Electives (select 2 of the following)		6
ART 340	Drawing	
ART 341	Drawing	
ART 431	Illustration	
ART 436	Digital Illustration	
ART 497	Special Topics in Animation	
UX 330	User Interface Design	
BCOM 394	Film Animation	
CS 301	Game Programming	
FILM 355	Film Sound	
Final Semester		
ART 434	Capstone Seminar	1
Upper-Level Art History Requirements		
Select two of the following:		6
ART 305	Ancient Greek and Roman Art	
ART 312	Art of the United States to 1865	
ART 313	Art of the United States Since 1865	
ART 314	Southern Baroque Art	
ART 315	Northern Baroque Art	
ART 316	Medieval Art & Architecture	
ART 317	Art and Power	
ART 318	Art and Landscape	
ART 325	Art of Asia, Africa, and the Americas	
ART 390	Contemporary Art	
ART 401	Art of the Italian Renaissance	
ART 403	Northern Renaissance Art	
ART 405	Art Theory and Criticism	
ART 407	Islamic Art and Architecture	
ART 408	European Art, 1700-1848	
ART 409	European Art, 1848-1900	
ART 410	European Art, 1900-1945	
ART 445	American Architectural History	
ART 494	Seminar in Art History	
Total Hours		64

Graphic Design Concentration

Code	Title	Hours
Basic Studio Courses		
Select two of the following:		6
ANIM 210	Introduction to Computer Animation	
or ANIM 220	3D Modeling I: Environment	
ART 220	Ceramics	
ART 250	Printmaking	
ART 260	Painting	
ART 270	Sculpture Survey I	
ART 280	Weaving	
Required Basic Course		3
UX 300	User Experience Strategy & Content Creation	3
Required Drawing/Illustration Courses (select two of the following)		6
ART 240	Drawing	
ART 340	Drawing	
ART 431	Illustration	
Select 2 upper-level elective studio courses		6
Graphic Design Concentration Focus:		
Basic Graphic Design Courses		6
ART 243	Digital Media	
ART 231	Graphic Design I: Typography	
Intermediate Graphic Design Courses		9
UX 330	User Interface Design	
ART 330	Graphic Design II: Layout & Information Design	
ART 331	Visual Thinking	
Advanced Graphic Design Requirements		6
ART 430	Graphic Design III: Advanced Graphic Design	
ART 438	Advanced Media Design	
Final Semester		4
ART 432	Portfolio	
ART 434	Capstone Seminar	
Restricted Electives (select three of the following)		9
ART 340	Drawing	
ART 343	Digital Media: Time-Based	
ART 377	Design to Prototype I	
ART 399	Professional Work	
ART 431	Illustration	
ART 433	Package Design	
ART 436	Digital Illustration	
ART 498	Special Topics in Graphic Design	
ART 499	Career Experience in Art	
UX 340	Introduction to Developing and Prototyping for Interactive Design	
Upper-Level Art History Requirements		
ART 334	Survey of Graphic Design	3
Select two of the following:		6
ART 305	Ancient Greek and Roman Art	
ART 312	Art of the United States to 1865	

ART 313	Art of the United States Since 1865
ART 314	Southern Baroque Art
ART 315	Northern Baroque Art
ART 316	Medieval Art & Architecture
ART 317	Art and Power
ART 318	Art and Landscape
ART 325	Art of Asia, Africa, and the Americas
ART 390	Contemporary Art
ART 401	Art of the Italian Renaissance
ART 403	Northern Renaissance Art
ART 405	Art Theory and Criticism
ART 407	Islamic Art and Architecture
ART 408	European Art, 1700-1848
ART 409	European Art, 1848-1900
ART 410	European Art, 1900-1945
ART 445	American Architectural History
ART 494	Seminar in Art History

Total Hours 67

UX Design Concentration

Code	Title	Hours
Basic Studio Courses		
Select two of the following:		6
ANIM 210	Introduction to Computer Animation	
or ANIM 220	3D Modeling I: Environment	
ART 220	Ceramics	
ART 250	Printmaking	
ART 260	Painting	
ART 270	Sculpture Survey I	
ART 280	Weaving	
Required Basic Course		3
ART 243	Digital Media	
Required Drawing/Illustration Courses		9
ART 240	Drawing	
ART 436	Digital Illustration	
ART 340	Drawing	
or ART 431	Illustration	
Select 2 upper-level elective studio courses		6
UX Design Concentration Focus:		
Basic UX Design Courses		6
UX 220	Introduction to User Experience Design	
UX 300	User Experience Strategy & Content Creation	
Intermediate UX Design Courses		9
UX 330	User Interface Design	
UX 340	Introduction to Developing and Prototyping for Interactive Design	
ART 331	Visual Thinking	
Advanced UX Design Requirements		12
UX 400	User Experience Advanced Studio I	
UX 430	Advanced User Interface Design	

UX 440	Advanced Developing and Testing for Interactive Design
UX 450	User Experience Advanced Studio II

Final Semester

ART 434	Capstone Seminar	1
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Restricted Electives (select two of the following) 6

ART 340	Drawing
ART 377	Design to Prototype I
ART 399	Professional Work
ART 431	Illustration
ART 432	Portfolio
ART 499	Career Experience in Art
ART 498	Special Topics in Graphic Design
PSYS 333	Cognitive Psychology
PSYS 350	Social Psychology
PSYS 363	Sensory and Perceptual Systems
PSYS 433	Judgment and Decision Making

Upper-Level Art History Requirements

Select two of the following: 6

ART 334	Survey of Graphic Design
ART 305	Ancient Greek and Roman Art
ART 312	Art of the United States to 1865
ART 313	Art of the United States Since 1865
ART 314	Southern Baroque Art
ART 315	Northern Baroque Art
ART 316	Medieval Art & Architecture
ART 317	Art and Power
ART 318	Art and Landscape
ART 325	Art of Asia, Africa, and the Americas
ART 390	Contemporary Art
ART 401	Art of the Italian Renaissance
ART 403	Northern Renaissance Art
ART 405	Art Theory and Criticism
ART 407	Islamic Art and Architecture
ART 408	European Art, 1700-1848
ART 409	European Art, 1848-1900
ART 410	European Art, 1900-1945
ART 445	American Architectural History
ART 494	Seminar in Art History

Total Hours 64

Finish in Four Plan

Studio (http://wku.edu/degreepaths/19-20/documents/pcal/bfa_visual_arts_studio_514.pdf)

First Year			
Fall	Hours	Spring	Hours
ART 105		3 ART 106	3
ART 130		3 ART 131	3
ART 140		3 Basic Studio #1 (200 level)	3
ENG 100		3 MATH 109	3
HIST 101 or HIST 102		3 COMM 145	3
		15	15

Second Year

Fall	Hours	Spring	Hours
Basic Studio #2 (200 level)		3 Basic Studio #4 (200 level)	3
Basic Studio #3 (200 level)		3 ART 317 (or other Connections: Systems Course or ART 318 or other Connections: Local to Global)	3
ART 240		3 ART 340	3
ENG 200		3 Upper Level Studio in Concentration #1 (300-400 Level)	3
Colonnade - Social & Behavioral		3 Colonnade - Natural & Physical Sciences w/ lab	3
		15	15

Third Year

Fall	Hours	Spring	Hours
ART 341		3 Upper Level Studio in Concentration #3 (300-400 Level)	3
Upper Level Studio in Concentration #2 (300-400 Level)		3 Upper Level Studio Elective #2 (300-400 Level)	3
Upper Level Studio Elective #1 (300-400 Level)		3 Upper Level Art History	3
ENG 300		3 Colonnade - Social & Cultural	3
Colonnade - Natural & Physical Sciences w/ no lab		3 ART 432	3
		15	15

Fourth Year

Fall	Hours	Spring	Hours
Upper Level Studio in Concentration #4 (300-400 Level)		3 ART 434	1
Upper Level Studio in Concentration #5 (300-400 Level)		3 Upper Level Studio in Concentration #6 (300-400 Level)	3
ART 317 (or other Connections: Systems Course or ART 318 or Connections: Local to Global)		3 Upper Level Studio in Concentration #7 (300-400 Level)	3
World Language Requirement or General Elective		3 General Elective	3
General Elective		3 General Elective	3
		General Elective	3
		15	16

Total Hours 121

Graphic Design**First Year**

Fall	Hours	Spring	Hours
ART 105		3 ART 106	3
ART 130		3 ART 131	3
ART 140		3 ART 243	3
ENG 100		3 MATH 109	3
HIST 101 or HIST 102		3 COMM 145	3
		15	15

Second Year

Fall	Hours	Spring	Hours
ART 240		3 Major Elective (ART 340 or ART 431 recommended)	3
ART 231		3 UX 300	3
Basic (200 Level) Studio #1		3 ART 330	3
ENG 200		3 Upper Level Art History #1	3
PSY 100 or PSYS 100		3 ASTR 104 or PHYS 103 (recommended (Colonnade - Natural and Physical Sciences w/ lab))	3
		15	15

Third Year

Fall	Hours	Spring	Hours
ART 331		3 Upper Level Art History #2	3
ART 334		3 ART 430	3
Basic (200 Level) Studio #3		3 Colonnade - Social & Cultural	3
ENG 300		3 Upper Level Studio #1	3
UX 330		3 Colonnade - Natural & Physical Sciences w/ no lab	3
		15	15

Fourth Year

Fall	Hours	Spring	Hours
ART 433		3 ART 434	1
Upper Level Studio #2		3 ART 432	3
Major Elective		3 Colonnade - Systems	3
ART 438		3 Major Elective	3
Colonnade - Local to Global		3 General Elective	3
		General Elective	3
		15	16

Total Hours 121

UX Design**First Year**

Fall	Hours	Spring	Hours
ART 105		3 ART 106	3
ART 130		3 ART 131	3
ART 140		3 ART 243	3
ENG 100		3 MATH 109	3
HIST 101 or HIST 102		3 COMM 145	3
		15	15

Second Year

Fall	Hours	Spring	Hours
UX 220		3 ART 340 or ART 431 (Illustration)	3
ART 240		3 UX 300	3
Basic (200 Level) Studio #1		3 UX 330	3
ENG 200		3 Upper Level Art History #1	3
PSY 100 or PSYS 100		3 ASTR 104 or PHYS 103 (recommended (Colonnade - Natural and Physical Sciences w/ lab))	3
		15	15

Third Year			
Fall	Hours	Spring	Hours
ART 331		3 UX 400	3
UX 340		3 UX 430	3
Basic (200 Level) Studio #3		3 ART 436	3
ENG 300		3 Colonnade - Social & Cultural	3
Upper Level Studio #1		3 Colonnade - Natural & Physical Sciences w/ no lab	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
Upper Level Studio #2		3 UX 450	3
UX 440		3 ART 434	1
Upper Level Art History #2		3 Colonnade - Systems	3
Major Elective		3 Major Elective	3
Colonnade - Local to Global		3 General Elective	3
		General Elective	3
		15	16
Total Hours 121			

ANIMATION

First Year			
Fall	Hours	Spring	Hours
ART 105		3 ART 106	3
ART 130		3 ART 131	3
ART 140		3 ART 243	3
ENG 100		3 MATH 109	3
FILM 100		3 COMM 145	3
		15	15
Second Year			
Fall	Hours	Spring	Hours
ANIM 210		3 ANIM 310	3
ANIM 220		3 ANIM 320	3
FILM 202		3 ART 240	3
HIST 101		3 Upper Level Art History #1	3
Colonnade - Social & Behavioral		3 Colonnade - Natural & Physical Science with Lab	3
		15	15
Third Year			
Fall	Hours	Spring	Hours
Basic Studio #1		3 Basic Studio #2	3
ART 340 or ART 431		3 ANIM 330	3
ANIM 344		3 ANIM Elective	3
ENG 200		3 Upper Level Studio #1	3
Colonnade - Natural & Physical Science		3 Colonnade - Social & Behavioral	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
ART 497		3 ART 444	3
Upper Level Studio #2		3 Upper Level Art History #2	3
Colonnade - Local to Global		3 Colonnade - Systems	3
Animation Elective		3 General Elective	3
ENG 300		3 General Elective	3

ART 434	1
15	16
Total Hours 121	

Visual Studies, Bachelor of Arts (509)

Program Coordinator

Kristina E. Arnold, kristina.arnold@wku.edu, (270) 745-3944

The Bachelor of Arts (AB) in Visual Studies is a liberal arts degree intended to provide students with a wide range of art experience and knowledge. This degree has two concentrations: studio art and art education. The studio concentration includes a breadth of courses in fine art, graphic design, and animation. The art education concentration is a professional education degree, leading to KY P-12 visual arts certification. This certification is reciprocal with many states in the US.

Students interested in art education should contact Dr. Miwon Choe, miwon.choe@wku.edu, (270)-745-7052.

Concentrations

- Art Education (ARED)
- Studio (ARSO)

Program Requirements (49 hours - Studio Art Concentration, 63 hours - Art Education Concentration, plus professional education courses)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Studio Concentration

The AB in Visual Studies-Studio concentration requires 49 semester hours of study. It allows students to pursue a wide breadth of studio interests and pair them with additional curricular experiences.

Code	Title	Hours
Required Foundation Courses:		
ART 105	History of Art to 1300	3
ART 106	History of Art Since 1300	3
ART 130	Two-Dimensional Design	3
ART 131	Three-Dimensional Design	3
ART 140	Drawing	3
Select three basic studio courses:		9
ART 220	Ceramics	
ART 231	Graphic Design I: Typography	
ART 240	Drawing	
ART 243	Digital Media	
ANIM 310	Computer Animation I	
ART 250	Printmaking	

ART 260	Painting
ART 270	Sculpture Survey I
ART 280	Weaving
Select six upper-level studio courses:	
18	
ART 321	Ceramics
ART 330	Graphic Design II: Layout & Information Design
ART 331	Visual Thinking
ART 340	Drawing
ART 341	Drawing
ART 343	Digital Media: Time-Based
ANIM 344	Computer Animation II
ART 350	Printmaking
ART 351	Printmaking
ART 430	Graphic Design III: Advanced Graphic Design
ART 431	Illustration
ART 433	Package Design
ART 436	Digital Illustration
ART 438	Advanced Media Design
ART 420	Ceramics
ART 421	Ceramics
ART 422	Ceramics
ART 423	Pottery Wheel Techniques
ART 424	Ceramic Glaze Composition
ART 425	Ceramic Studio Equipment Design
ART 426	Special Firing Techniques
ART 440	Drawing
ART 444	Computer Animation III
ART 450	Printmaking
ART 451	Printmaking
ART 452	Printmaking
ART 453	Senior Techniques in Printmaking
ART 455	Advanced Senior Techniques in Printmaking
ART 456	Advanced Senior Composition in Printmaking
ART 360	Painting
ART 361	Painting
ART 460	Painting
ART 461	Painting
ART 462	Painting
ART 463	Senior Painting Studio I
ART 464	Senior Painting Studio II
ART 465	Advanced Senior Painting Studio I
ART 466	Advanced Senior Painting Studio II
ART 370	Sculpture Survey II
ART 371	Sculpture Methods, Welding I
ART 372	Sculpture, Figurative Studies
ART 373	Installation Art
ART 470	Sculpture
ART 471	Sculpture Methods, Foundry I
ART 472	Sculpture

ART 474	Sculpture Methods, Wood
ART 475	Sculpture Methods, Welding II
ART 476	Sculpture Methods, Foundry II
ART 380	Weaving
ART 381	Weaving
ART 480	Weaving
ART 481	Weaving
ART 482	Weaving
ART 483	Senior Fiber Techniques
ART 484	Senior Fiber Composition
ART 485	Advanced Senior Fiber Techniques
ART 486	Advanced Senior Fiber Composition
ART 496	Special Topics in Studio Art
ART 490	Special Problems
ART 491	Special Studies
ART 399	Professional Work
ART 499	Career Experience in Art
Select two upper-level art history courses:	
6	
ART 305	Ancient Greek and Roman Art
ART 312	Art of the United States to 1865
ART 313	Art of the United States Since 1865
ART 314	Southern Baroque Art
ART 315	Northern Baroque Art
ART 316	Medieval Art & Architecture
ART 317	Art and Power
ART 318	Art and Landscape
ART 325	Art of Asia, Africa, and the Americas
ART 334	Survey of Graphic Design
ART 390	Contemporary Art
ART 401	Art of the Italian Renaissance
ART 403	Northern Renaissance Art
ART 405	Art Theory and Criticism
ART 407	Islamic Art and Architecture
ART 408	European Art, 1700-1848
ART 409	European Art, 1848-1900
ART 410	European Art, 1900-1945
ART 445	American Architectural History
ART 494	Seminar in Art History
ART 434	Capstone Seminar
Total Hours	
49	

Art Education Concentration

The AB in Visual Studies, Art Education concentration equips knowledgeable and creative art teachers to meet state and national standards on elementary and secondary levels. This degree, requiring a combined total of 88 semester hours in art and professional education courses, prepares students for P-12 certification and is a common requirement for entry into a Master of Arts in Education degree program.

Code	Title	Hours
Required Foundation Courses:		
ART 105	History of Art to 1300	3
ART 106	History of Art Since 1300	3
ART 130	Two-Dimensional Design	3

ART 131	Three-Dimensional Design	3
ART 140	Drawing	3
Choose four of basic studio courses:		12
ART 220	Ceramics	
ART 231	Graphic Design I: Typography	
ART 240	Drawing	
ART 243	Digital Media	
ANIM 310	Computer Animation I	
ART 250	Printmaking	
ART 260	Painting	
ART 270	Sculpture Survey I	
ART 280	Weaving	
Choose five Upper Level Studio Electives:		15
ART 340	Drawing	
ART 341	Drawing	
ANIM 344	Computer Animation II	
ART 440	Drawing	
ART 444	Computer Animation III	
ART 321	Ceramics	
ART 420	Ceramics	
ART 421	Ceramics	
ART 422	Ceramics	
ART 423	Pottery Wheel Techniques	
ART 424	Ceramic Glaze Composition	
ART 425	Ceramic Studio Equipment Design	
ART 426	Special Firing Techniques	
ART 330	Graphic Design II: Layout & Information Design	
ART 331	Visual Thinking	
ART 343	Digital Media: Time-Based	
ART 430	Graphic Design III: Advanced Graphic Design	
ART 431	Illustration	
ART 433	Package Design	
ART 436	Digital Illustration	
ART 438	Advanced Media Design	
ART 350	Printmaking	
ART 351	Printmaking	
ART 450	Printmaking	
ART 451	Printmaking	
ART 452	Printmaking	
ART 453	Senior Techniques in Printmaking	
ART 454	Senior Composition in Printmaking	
ART 455	Advanced Senior Techniques in Printmaking	
ART 456	Advanced Senior Composition in Printmaking	
ART 360	Painting	
ART 361	Painting	
ART 460	Painting	
ART 461	Painting	
ART 462	Painting	
ART 463	Senior Painting Studio I	
ART 464	Senior Painting Studio II	
ART 465	Advanced Senior Painting Studio I	
ART 466	Advanced Senior Painting Studio II	
ART 370	Sculpture Survey II	
ART 371	Sculpture Methods, Welding I	
ART 372	Sculpture, Figurative Studies	
ART 373	Installation Art	
ART 470	Sculpture	
ART 471	Sculpture Methods, Foundry I	
ART 472	Sculpture	
ART 474	Sculpture Methods, Wood	
ART 475	Sculpture Methods, Welding II	
ART 476	Sculpture Methods, Foundry II	
ART 380	Weaving	
ART 381	Weaving	
ART 480	Weaving	
ART 481	Weaving	
ART 482	Weaving	
ART 483	Senior Fiber Techniques	
ART 484	Senior Fiber Composition	
ART 485	Advanced Senior Fiber Techniques	
ART 486	Advanced Senior Fiber Composition	
ART 490	Special Problems	
ART 491	Special Studies	
ART 399	Professional Work	
ART 499	Career Experience in Art	
Select 2 Upper Level Art History Electives:		6
ART 305	Ancient Greek and Roman Art	
ART 312	Art of the United States to 1865	
ART 313	Art of the United States Since 1865	
ART 314	Southern Baroque Art	
ART 315	Northern Baroque Art	
ART 316	Medieval Art & Architecture	
ART 317	Art and Power	
ART 318	Art and Landscape	
ART 325	Art of Asia, Africa, and the Americas	
ART 334	Survey of Graphic Design	
ART 390	Contemporary Art	
ART 401	Art of the Italian Renaissance	
ART 403	Northern Renaissance Art	
ART 405	Art Theory and Criticism	
ART 407	Islamic Art and Architecture	
ART 408	European Art, 1700-1848	
ART 409	European Art, 1848-1900	
ART 410	European Art, 1900-1945	
ART 445	American Architectural History	
ART 494	Seminar in Art History	
PHIL 305	Aesthetics	
Required Art Education Pedagogy Courses:		
ART 311	Foundations of Art Education and Methods I	3

ART 411	Foundations of Art Education and Methods II	3
ART 413	Foundations of Art Education and Methods III	3
Required Capstone Courses:		
ART 432	Portfolio	3
ART 496	Special Topics in Studio Art	3
Total Hours		63

Professional Education Requirements

Code	Title	Hours
An additional 25 semester hours in Professional Education courses are required for state certification purposes.		
EDU 250	Discover Teaching: Introduction to Teacher Education	3
PSY 310	Educational Psychology: Development and Learning	3
EDU 350	Student Diversity and Differentiation	3
EDU 360	Behavior and Classroom Management in Education	3
EDU 489	Student Teaching Seminar	3
Choose two courses at 5 hours each:		10
ELED 490	Student Teaching	
SEC 490	Student Teaching	
MGE 490	Student Teaching	
Total Hours		25

Finish in Four Plan

Art Education

First Year			
Fall	Hours	Spring	Hours
ART 105		3 ART 106	3
ART 130		3 ART 131	3
ART 140		3 Basic Studio #1 (200 level)	3
ENG 100		3 MATH 109	3
HIST 101 or HIST 102		3 COMM 145	3
	15		15
Second Year			
Fall	Hours	Spring	Hours
Basic Studio #2 (200 level)		3 Basic Studio #4 (200 level)	3
Basic Studio #3 (200 level)		3 Colonnade - Local to Global or Systems	3
Upper Level Art History (ART 317 or ART 318 recommended)		3 Colonnade - Natural & Physical Sciences w/ lab	3
ENG 200		3 EDU 250	3
Colonnade - Social & Behavioral Studies		3 PSY 310	3
ART 311		3	
	18		15
Third Year			
Fall	Hours	Spring	Hours
Upper Level Studio Elective #1 (300-400 Level)		3 Upper Level Studio Elective #3 (300-400 Level)	3

Upper Level Studio Elective #2 (300-400 Level)	3 Upper Level Studio Elective #4 (300-400 Level)	3
ART 411	3 SPED 330	3
ART 413	3 LTCY 421	3
ENG 300	3 Colonnade - Natural & Physical Sciences w/ no lab	3
	15	15

Fourth Year			
Fall	Hours	Spring	Hours
Upper Level Studio Elective #5 (300-400 Level)		3 ART 432	3
Colonnade - Social & Cultural		3 EDU 489	3
ART 496		3 Choose two: SEC 490 or ELED 490 or MGE 490	10
Upper Level Art History (300-400 Level)	3		
	12		16

Total Hours 121

Studio Art (http://wku.edu/degreepaths/19-20/documents/pcal/ba_visual_studies_art_ed_509.pdf)

First Year			
Fall	Hours	Spring	Hours
ART 105		3 ART 106	3
ART 130		3 ART 131	3
ART 140		3 MATH 109	3
ENG 100		3 COMM 145	3
HIST 101 or HIST 102		3 Basic Studio #1 (200 level)	3
	15		15

Second Year			
Fall	Hours	Spring	Hours
Basic Studio #2 (200 level)		3 Upper Level Studio #1 (300-400 level)	3
Basic Studio #3 (200 level)		3 Colonnade - Local to Global or Systems	3
ART 318 or ART 317		3 Colonnade - Social & Behavioral	3
ENG 200		3 Upper Level Studio #2 (300-400 level)	3
2nd Major/Minor/ Elective		3 Colonnade - Natural & Physical Sciences w/ lab	3
	15		15

Third Year			
Fall	Hours	Spring	Hours
Upper Level Studio #3 (300-400 level)		3 Upper Level Studio #4 (300-400 level)	3
2nd Major/Minor/ Elective		3 Upper Level Studio Elective #5 (300-400 Level)	3
2nd Major/Minor/ Elective		3 Upper Level Art History	3
ENG 300		3 Colonnade - Social & Cultural	3
Colonnade - Natural & Physical Sciences w/ no lab		3 2nd Major/Minor/ Elective	3
	15		15

Fourth Year			
Fall	Hours	Spring	Hours
Upper Level Studio Elective #6 (300-400 Level)		3 ART 434	1
Colonnade - Local to Global or Systems		3 2nd Major/Minor/ Elective	3
World Language Requirement or General Elective		3 2nd Major/Minor/ Elective	3
2nd Major/Minor/ Elective		3 2nd Major/Minor/ Elective	3
2nd Major/Minor/ Elective		3 2nd Major/Minor/ Elective	3
		2nd Major/Minor/ Elective	3
		15	16
Total Hours 121			

Department of Communication

Dr. Anthony Harkins, Interim Chair

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The Department of Communication offers four undergraduate majors (Advertising, Communication Studies, Corporate and Organizational Communication, and Public Relations) that prepare students for understanding the complexities of communication in the modern world. We also house three certificates (Digital Advertising, Strategic Communications, and Workplace Communication). Our majors and certificates are designed to be part of a broad-based liberal arts curriculum that is essential for a well-rounded education.

Student Activities

Membership is available and encouraged in the professional student organizations associated with the department including the Lambda Pi Eta Honor Society, the American Advertising Federation, and the Public Relations Student Society of America. In addition to providing fellowship for students with common interests, these groups participate in regional and national competitions, and help host field trips, lectures, professional workshops, and career days.

Degrees

- Advertising, Bachelor of Arts (727P, 727) (p. 87)
- Communication Studies, Bachelor of Arts (792P, 792) (p. 89)
- Corporate and Organizational Communication, Bachelor of Arts (522P, 522) (p. 90)
- Public Relations, Bachelor of Arts (763P, 763) (p. 92)

Certificates

- Digital Advertising, Certificate (1768) (p. 91)
- Strategic Communications, Certificate (1767) (p. 93)
- Workplace Communication, Certificate (1760) (p. 94)

Faculty Professor

Kumi Ishii PhD (Communication Studies), Kent State University Kent Campus, 2004

Angela M. Jerome PhD (Communication Studies), University of Kansas Main Campus, 2002

Jennifer Mize Smith PhD (Communication), Purdue University Main Campus, 2006

Holly J. Payne PhD (Communication), University of Kentucky, 2003

Cliff P. Shaluta MA (Speech), Marshall University, 1983

Blair C. Thompson PhD (Communication Studies, Educational Psychology), University of Nebraska-Lincoln, 2007

Associate Professor

Clint Haynes MA (Communication), Western Kentucky University, 1998

Jie-Young Kong PhD (Communication), Arizona State University-ALL, 2012

Kenneth D. Payne MA (Journalism), Marshall University, 1992

Heather M. Strode MA (Communications), Western Kentucky University, 1998

Assistant Professor

Joseph M. Hoffswell PhD (Communication), University of Missouri-Columbia, 2017

Instructor I

Emily J. Adkins MA (Organizational Communication), Western Kentucky University, 2021

Michael C. Catlett MA (Communication), Western Kentucky University, 2009

Steven J. Momorella MA (Strategic Communication), University of Delaware, 2021

Instructor II

Bruce A. Crawley MA (Communications), University of Kentucky, 1977

Charlotte A. Elder MA (Communication), Western Kentucky University, 1998

Jessica M. McClanahan MA (Communication), Western Kentucky University, 2003

Donna K. Schiess EdD (Educational Leadership, Organizational Leadership), Western Kentucky University, 2011

Patricia L. Witcher MA (Communication), Western Kentucky University, 2002

Senior Instructor

Gary K. Hughes PhD (Communication), University of Kentucky, 2014

Advertising, Bachelor of Arts (727P, 727)

Program Coordinator

Cliff P. Shaluta, cliff.shaluta@wku.edu, (270) 745-5833

The Advertising major provides a number of opportunities for students to build an impressive resume and online portfolio leading to an exciting career. Class projects, competitions, and hands-on internships provide an extraordinary educational experience. The business of advertising is being transformed as consumers are choosing digital technologies to access a variety of content where and when they choose. Conventional media revenue models are being challenged and advertising professionals with new skill sets are needed. The major in Advertising prepares students to work as entrepreneurs to launch their own businesses or for careers in media, agency or corporate advertising.

Specific objectives of the Advertising major:

- Acquaint students with important concepts, methods, and examples of successful advertising communication strategies;
- Provide students with training to make strategically sound analysis of advertising decisions;
- Provide students with opportunities to apply knowledge and creativity to real-world advertising situations;
- Develop students' ability to present well-reasoned conclusions and recommendations in written and oral presentations and to encourage continued self-education and personal development.

Program Requirements (36 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Admission Requirements

Students wishing to enter the major in Advertising initially are admitted as majors seeking admission (reference 727P). Prospective majors may take no more than 15 hours in the major before admission. Students must meet the following requirements before they can be admitted:

1. Completion of a minimum of 24 hours of coursework applicable to a baccalaureate degree;
2. A minimum overall grade point average of 2.3;
3. Completion of COMM 200 with a grade of "C" or better and 9 additional hours in general education;

All courses in the major must be completed with a grade of "C" or better. At least one-half of the hours in the major must be at the 300 or 400 level.

Code	Title	Hours
Required Courses:		
COMM 200	Communication Foundations	3
AD 210	Software Studio	3
AD 240	Advertising in a Digital World	3
AD 300	Research in Advertising and Public Relations	3
or COMM 300	Introduction to Communication Research Methods	
or SOCL 302	Social Research Methods	
or PS 302	Research Design in Political Science	
MKT 220	Basic Marketing Concepts	3
AD 310	Visual Concepts in Advertising	3
AD 330	Branding	3
UX 330	User Interface Design	3
AD 349	Advertising Media	3
AD 410	Portfolio	3
Select six hours of restricted electives from the following courses: ¹		6
AD 489	AD Internship or Practicum	

COMM 362	Organizational Communication
PR 255	Fundamentals of Public Relations
PR 350	Legal and Ethical Foundations of Strategic Communication
UX 220	Introduction to User Experience Design
UX 340	Introduction to Developing and Prototyping for Interactive Design
UX 400	User Experience Advanced Studio I
Total Hours	36

- ¹ With departmental approval, students may opt to substitute one of the following courses in fulfillment of an elective requirement: AD 400, AD 415, AD 495.
A minor, certificate, or second major is required.

Finish in Four Plan - Advertising (727)

First Year			
Fall	Hours	Spring	Hours
COMM 145		3 ENG 100	3
MATH 109 (or higher)		3 HIST 101 or HIST 102	3
ART 105 or ART 106		3 AD 210	3
IDST 175 (OR World Language, if needed)		3 AD 240	3
Colonnade: Natural & Physical Sciences		3 Colonnade: Natural & Physical Science w/lab	3
		15	15
Second Year			
Fall	Hours	Spring	Hours
MKT 220		3 ENG 200 or RELS 200	3
COMM 200		3 UX 330	3
AD 310		3 AD 300 or COMM 300 (OR equivalent research course)	3
Colonnade: Social & Behavioral Science		3 2nd Major/Certificate/Minor Course	3
2nd Major/Certificate/Minor Course		3 2nd Major/Certificate/Minor Course	3
		15	15
Third Year			
Fall	Hours	Spring	Hours
AD 330*		3 AD 410*	3
AD 349*		3 AD Elective	3
2nd Major/Certificate/Minor Course		3 2nd Major/Certificate/Minor Course	3
2nd Major/Certificate/Minor Course		3 2nd Major/Certificate/Minor Course	3
Colonnade: Connections (Systems)		3 Colonnade: Connections (Local to Global)	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
AD Elective (Imagewest internship encouraged)		3 2nd Major/Certificate/Minor Course	3
2nd Major/Certificate/Minor Course		3 2nd Major/Certificate/Minor Course	3
2nd Major/Certificate/Minor Course		3 2nd Major/Certificate/Minor Course	3
Colonnade: Connections (Social & Cultural)		3 General Elective	3

General Elective	3 General Elective	3
	15	15
Total Hours 120		

* Denotes course is only offered one semester per year.

Communication Studies, Bachelor of Arts (792P, 792)

Program Coordinator

Blair C. Thompson, blair.thompson@wku.edu, (270) 745-5414

The Communication Studies major provides students a platform for understanding the diverse ways communication creates, maintains, and transforms relationships, organizations, institutions, and society. In preparing students to communicate across an ever-changing communication landscape, the major's core courses ensure students learn how communication functions across foundational areas of discipline. Electives are organized so that students may tailor their plans of study to meet specific personal and career goals.

Specific objectives of the Communication Studies major:

- To develop competencies in analyzing communication studies;
- To construct and present messages appropriately adapted to specific contexts and audiences;
- To develop the communication skills essential to complementing careers in a variety of fields including, but not limited to, business, law, politics, healthcare, social work, religious ministries, and teaching.

Program Requirements (36 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Admission Requirements

Students wishing to enter the major in Communication Studies initially are admitted as majors seeking admission (reference 792P). Prospective majors may take no more than 15 hours in the major before admission. Student must meet the following requirements before they can be admitted:

1. Completion of a minimum of 24 hours of course work applicable to a baccalaureate degree;
2. A minimum overall grade point average of 2.3;
3. Completion of COMM 200 with a grade of "C" or better.

All courses within the major must be completed with a "C" or better. One-half of the hours in the major must be at the 300 or 400 level.

Code	Title	Hours
The following Communication Studies Core courses are required:		
COMM 200	Communication Foundations	3

COMM 345 or COMM 346	Advanced Public Speaking Persuasion	3
COMM 348	Interpersonal Communication	3
COMM 362	Organizational Communication	3
COMM 365	Intercultural Communication	3
Select one course from the Advanced Study in Communication category. ¹		3
COMM 440	Health Communication	
COMM 448	Advanced Interpersonal Communication	
COMM 450	Family Communication	
COMM 451	Communication in the Digital Age	
COMM 463	Advanced Intercultural Communication	
Select four courses from the Communication in Context category. ²		12
POP 201	Introduction to Popular Culture Studies	
AD 240	Advertising in a Digital World	
PR 255	Fundamentals of Public Relations	
COMM 315	Sport Communication	
COMM 363	Interracial Communication	
COMM 364	Crisis Communication	
COMM 374	Gender Communication	
COMM 388	Seminar in Political Communication	
COMM 440	Health Communication	
COMM 448	Advanced Interpersonal Communication	
COMM 450	Family Communication	
COMM 451	Communication in the Digital Age	
COMM 463	Advanced Intercultural Communication	
Select two courses from the Communication Skills and Applications category. ²		6
AD 210	Software Studio	
COMM 212 or ENG 212	Intro Digital Texts and Media Introduction to Digital Texts and Media	
COMM 240	Effective Listening	
COMM 245	Argumentation and Debate	
COMM 247	Voice and Diction	
COMM 260	Organizational Interviewing	
COMM 300 or PS 302 or SOCL 302	Introduction to Communication Research Methods Research Design in Political Science Social Research Methods	
COMM 330	Leadership Communication	
COMM 345	Advanced Public Speaking	
COMM 346	Persuasion	
COMM 349	Small Group Communication	
Total Hours		36

¹ The course taken to meet the Advanced Study in Communication requirement may not be double counted in the Communication in Context category.

- ² Only one course in the Communication in Context category and one course in the Communication Skills and Applications category may be taken at the 200 level.

With departmental approval, students may opt to substitute one of the following courses in fulfillment of a Communication Studies elective: COMM 400, COMM 415, COMM 489, or COMM 495. A minor, certificate, or second major outside of the department is required; neither the Communication Studies minor nor the Corporate and Organizational Communication major may be used to fulfill this requirement.

Finish in Four Plan - Communication Studies (792)

First Year			
Fall	Hours	Spring	Hours
COMM 145		3 ENG 100	3
MATH 109		3 PS 110 or SOCL 100 (OR other Colonnade: Social & Behavioral Sciences)	3
Colonnade: Arts & Humanities		3 HIST 101 or HIST 102	3
World Language, if needed OR General Elective		3 Colonnade: Natural & Physical Sciences w/ lab	3
Colonnade: Natural & Physical Sciences		3 World Language, if needed OR General Elective	3
		15	15
Second Year			
Fall	Hours	Spring	Hours
COMM 200		3 COMM 348	3
ENG 200 or RELS 200		3 COMM Skills & Apps Elective	3
Colonnade: Connections (Systems)		3 Colonnade: Connections (Social & Cultural)	3
2nd Major/Certificate/Minor Course		3 2nd Major/Certificate/Minor Course	3
General Elective		3 General Elective	3
		15	15
Third Year			
Fall	Hours	Spring	Hours
COMM 365		3 COMM 362	3
COMM in Context Elective		3 COMM in Context Elective	3
2nd Major/Certificate/Minor Course		3 2nd Major/Certificate/Minor Course	3
Colonnade: Connections (Local to Global)		3 2nd Major/Certificate/Minor Course	3
General Elective		3 General Elective	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
COMM 345 or COMM 346		3 COMM Adv. Study Elective	3
COMM in Context Elective		3 COMM in Context Elective	3
COMM Skills & Apps Elective		3 2nd Major/Certificate/Minor Course	3
2nd Major/Certificate/Minor Course		3 General Elective	3

General Elective	3 General Elective	3
	15	15
Total Hours 120		

Corporate and Organizational Communication, Bachelor of Arts (522P, 522)

Program Coordinator

Holly J. Payne, holly.payne@wku.edu, (270) 745-5876

The Corporate and Organizational Communication major prepares students to understand and apply communication theories and concepts that explain human interaction in the workplace and guide the formulation of messages for the organization and its constituencies in a wide range of situations. Students investigate how individuals influence and are influenced by organizations and their members as well as how stakeholders' personal communication competencies affect participation in and quality of organizational life and society. In a pre-professional program, students engage in a solid core of organizational communication courses and are exposed to complementary courses focusing on message strategy, human relations, critical thinking, and proficient writing. Elective courses in the major are carefully chosen with an advisor to ensure the student receives the necessary background to succeed in an organizational setting.

Specific objectives of the Corporate and Organizational Communication major:

- To build competence in critically analyzing communication within organizations;
- To develop skill in assessing internal and external communication needs;
- To obtain proficiency in understanding audience differences and developing strategic communication plans accordingly.

Program Requirements (36 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Admission Requirements

Students wishing to enter the major in Corporate and Organizational Communication initially are admitted as majors seeking admission (reference 522P). Prospective majors may take no more than 15 hours in the major before admission. Students must meet the following requirements before they can be admitted:

1. Completion of a minimum of 24 hours of coursework applicable to a baccalaureate degree;
2. A minimum overall grade point average of 2.3;
3. Completion of COMM 200 with a grade of "C" or better.

All courses in the major must be completed with a grade of "C" or better.
At least one-half of the hours in the major must be at the 300 or 400 level.

Code	Title	Hours
Corporate Communication Core Courses: ²		21
COMM 200	Communication Foundations	
COMM 300	Introduction to Communication Research Methods	
or PS 302	Research Design in Political Science	
or SOCL 302	Social Research Methods	
COMM 346	Persuasion	
COMM 349	Small Group Communication	
COMM 362	Organizational Communication	
COMM 462	Advanced Organizational Communication	
COMM 489	Internship in Communication	
Required Corporate Communication Electives:		
Select two courses from Message Strategy category: ¹		6
AD 240	Advertising in a Digital World	
MKT 220	Basic Marketing Concepts	
PR 255	Fundamentals of Public Relations	
COMM 260	Organizational Interviewing	
COMM 345	Advanced Public Speaking	
COMM 364	Crisis Communication	
COMM 388	Seminar in Political Communication	
COMM 451	Communication in the Digital Age	
Select two courses from the Human Relations Category:		6
COMM 330	Leadership Communication	
COMM 470	Organizational Relationships	
COMM 471	Communication in Multinational Organizations	
MGT 311	Human Resource Management	
MGT 333	Management of Nonprofit Organizations	
MKT 325	Personal Selling	
PSYS 370	Industrial / Organizational Psychology	
PSY 371	The Psychology of Sales Behavior	
Select one course from the Writing Proficiency Category:		3
COMM 212	Intro Digital Texts and Media	
or ENG 212	Introduction to Digital Texts and Media	
ENG 203	Creative Writing	
ENG 301	Argument and Analysis in Written Discourse	
ENG 306	Business Writing	
JOUR 202	Introduction to News Writing	
MGT 261	Business Communication Fundamentals	
Total Hours		36

¹ Only one course may be taken at the 200-level in the Message Strategy Category.

² With departmental approval, students may opt to substitute one of the following courses in fulfillment of a Corporate Communication elective: COMM 400, COMM 415, COMM 495. A minor, certificate or second major is required; neither the Communication Studies minor nor the Communication Studies major may be used to fulfill this requirement.

Finish in Four Plan - Corporate and Organizational Communication (522)

First Year			
Fall	Hours	Spring	Hours
COMM 145		3 ENG 100	3
MATH 109 (or higher)		3 PS 110 or SOCL 100 (OR other Colonnade: Social & Behavioral Sciences)	3
Colonnade: Arts & Humanities		3 HIST 101 or HIST 102	3
World Language, if needed OR General Elective		3 Colonnade: Natural & Physical Sciences w/ lab	3
Colonnade: Natural & Physical Sciences		3 World Language, if needed OR General Elective	3
		15	15
Second Year			
Fall	Hours	Spring	Hours
COMM 200		3 COMM Message Strategy Elective	3
ENG 200 or RELS 200		3 2nd Major/Certificate/Minor Course	3
Colonnade: Connections (Systems)		3 Colonnade: Connections (Local to Global)	3
2nd Major/Certificate/Minor Course		3 Colonnade: Connections (Social & Cultural)	3
General Elective		3 General Elective	3
		15	15
Third Year			
Fall	Hours	Spring	Hours
COMM 300, PS 301, or SOCL 302		3 COMM 346	3
COMM 362		3 COMM 349	3
COMM Human Relations Elective		3 COMM Writing Proficiency Elective	3
2nd Major/Certificate/Minor Course		3 2nd Major/Certificate/Minor Course	3
General Elective		3 General Elective	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
COMM 462		3 COMM 489	3
COMM Message Strategy Elective		3 COMM Human Relations Elective	3
2nd Major/Certificate/Minor Course		3 2nd Major/Certificate/Minor Course	3
2nd Major/Certificate/Minor Course		3 General Elective	3
General Elective		3 General Elective	3
		15	15
Total Hours 120			

Digital Advertising, Certificate (1768)

Program Coordinator

Cliff P. Shaluta, cliff.shaluta@wku.edu, (270) 745-5833

The business of advertising is being transformed as consumers are choosing digital technologies to access a variety of content where and when they choose. Conventional media revenue models are being challenged and advertising professionals with new skill sets are needed. The new 18-hour Digital Advertising certificate is focused on developing real-world advertising skills including consumer research, branding, search engine optimization (SEO), pay-per-click advertising, paid social media advertising, and tracking results through digital analytics. The hands-on curriculum equips students with practical skills for workforce success.

Program Requirements (18 hours)

Code	Title	Hours
Core Courses		
AD 210 or ART 243	Software Studio Digital Media	3
AD 240	Advertising in a Digital World	3
AD 300	Research in Advertising and Public Relations	3
AD 330 or AD 349	Branding Advertising Media	3
Choose any 2 Elective Courses		6
BCOM 264 or BCOM 366 or PJ 131	Digital Video Production and Distribution Editing I Fundamentals of Photography	
AD 330	Branding	
AD 349	Advertising Media	
UX 340	Programming for Media Platforms	
An approved AD or ART upper division elective		
Total Hours		18

Public Relations, Bachelor of Arts (763P, 763)**Program Coordinator**

Kenneth D. Payne, ken.payne@wku.edu, (270) 745-3968

The Public Relations major, certified by the Public Relations Society of America, emphasizes research and measurement, strategic planning, targeted written communication tactics, and ethical practice. Public relations is a planned process to influence public opinion using strategic communication. We prepare students for a career in public relations with skills in critical thinking, writing, technology, research, program planning and management, creative problem solving, and relationship building with key publics. Those publics include media, consumers, employees, government, opinion leaders, and communities.

Virtually all segments of the public and private sectors throughout the world draw employees from public relations graduates. Our graduates work as communications tacticians, strategic planners, and management counselors. They may specialize in employee relations, community relations, crisis communication, public affairs, media relations, or several other disciplines within the professional arena.

Specific objectives of the Public Relations major:

- To promote a broad understanding and appreciation of the expanding and important role of public relations in modern society;
- To increase knowledge and develop skills required for positions in the public relations field;
- To instill high standards of ethical conduct;
- To build a foundation for lifelong learning and advanced education in public relations.

Program Requirements (39 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Admission Requirements

Students wishing to enter the major in public relations initially are admitted as majors seeking admission (reference 763P). Prospective majors may take no more than 15 hours in the major before admission. Students must meet the following requirements before they can be admitted:

1. Completion of a minimum of 24 hours of coursework applicable to a baccalaureate degree;
2. A minimum overall grade point average of 2.5;
3. Completion of JOUR 202 with a grade of "C" or better.

Code	Title	Hours
The following 21 hours of Public Relations Core courses are required:		
PR 255	Fundamentals of Public Relations	3
PR 321	Communications Analytics in Public Relations and Advertising	3
PR 350	Legal and Ethical Foundations of Strategic Communication	3
PR 356	Digital Tactics in Public Relations	3
PR 358	Public Relations Writing and Production	3
PR 454	Public Relations Strategy and Planning	3
PR 456 or PR 489	Public Relations Management PR Internship or Practicum	3

The following 12 hours outside the Public Relations Core are required:

SOM 101	Understanding Media Content, Ethics and Technology	3
JOUR 202	Introduction to News Writing	3
COMM 200	Communication Foundations	3
AD 300	Research in Advertising and Public Relations	3
or COMM 300	Introduction to Communication Research Methods	

or PS 302	Research Design in Political Science	
or SOCL 302	Social Research Methods	
In addition, three hours of Restricted Electives must be chosen from the following: ¹		3
PJ 131	Fundamentals of Photography	
POP 201	Introduction to Popular Culture Studies	
AD 210	Software Studio	
MKT 220	Basic Marketing Concepts	
AD 240	Advertising in a Digital World	
BCOM 264	Digital Video Production and Distribution	
BCOM 265	Basic Broadcast News	
BCOM 325	Survey of Electronic Media Writing	
AD 310	Visual Concepts in Advertising	
COMM 315	Sport Communication	
JOUR 323	Multiplatform News Presentation	
JOUR 325	Feature Writing	
MKT 322	Integrated Marketing Communications	
UX 330	User Interface Design	
MKT 331	Social Media Marketing	
COMM 346	Persuasion	
COMM 362	Organizational Communication	
COMM 364	Crisis Communication	
COMM 388	Seminar in Political Communication	
COMM 440	Health Communication	
COMM 451	Communication in the Digital Age	
In addition, three hours of Diversity Electives must be chosen from the following:		3
PR 354	International Public Relations	
SOM 310	Media Diversity	
COMM 363	Interracial Communication	
COMM 365	Intercultural Communication	
COMM 374	Gender Communication	
COMM 471	Communication in Multinational Organizations	
FLK 280	Cultural Diversity in the U S	
FLK 330	Cultural Connections and Diversity	
SOCL 362	Social Institutions: Race, Class, and Gender	
SOCL 375	Diversity in American Society	
Total Hours		39

¹ A minor, certificate, or second major is required.

Finish in Four Plan - Public Relations (763)

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 JOUR 202	3
SOM 101		3 HIST 101 or HIST 102	3
MATH 109, MATH 116, or MATH 183		3 COMM 145	3
Colonnade: Arts & Humanities		3 2nd Major/Certificate/Minor Course	3

Colonnade: Natural & Physical Sciences w/ lab		3 World Language, if needed OR 2nd Major/Certificate/Minor Course	3
		15	15
Second Year			
Fall	Hours	Spring	Hours
PR 255		3 PR 350	3
COMM 200		3 BCOM 265 or BCOM 325	3
Colonnade: Natural & Physical Sciences		3 Colonnade: Connections (Social & Cultural)	3
PR Restricted Electives		3 2nd Major/Certificate/Minor Course	3
2nd Major/Certificate/Minor Course		3 PR 354, SOM 310, COMM 365, COMM 471, FLK 280, SOCL 362, or SOCL 375	3
		15	15
Third Year			
Fall	Hours	Spring	Hours
PR 321		3 PR 358	3
PR 356		3 Colonnade: Connections (Local to Global)	3
COMM 300, AD 300, PS 301, or SOCL 302		3 Colonnade: Connections (Systems)	3
2nd Major/Certificate/Minor Course		3 2nd Major/Certificate/Minor Course	3
2nd Major/Certificate/Minor Course		3 2nd Major/Certificate/Minor Course	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
PR 454		3 PR 456 or PR 489	3
2nd Major/Certificate/Minor Course		3 2nd Major/Certificate/Minor Course	3
2nd Major/Certificate/Minor Course		3 2nd Major/Certificate/Minor Course	3
2nd Major/Certificate/Minor Course		3 General Elective	3
2nd Major/Certificate/Minor Course		3 General Elective	3
		15	15
Total Hours 120			

Strategic Communications, Certificate (1767)

Program Coordinator

Kenneth D. Payne, ken.payne@wku.edu, (270) 745-3968

Strategic Communications focuses on the critical thinking, analytical, and practical skills essential to developing and implementing communications strategies that advance an organization's goals and missions. The certificate includes instruction in communications management, crisis communications, communications in law and ethics, digital and traditional communications strategies, media relations, social media strategies, traditional and emerging media, and writing for the media. Strategic Communications is about communicating purposefully within the context of a strategic plan. This strategic approach includes generating impactful and relatable messages, selecting the best communications channels for proper message

distribution, and evaluating communications efforts against established organizational goals and benchmarks. The undergraduate certificate is an 18 credit-hour program designed to equip students with practical and meaningful skills for strategic communications success. A "C" or higher is required in all courses.

Program Requirements (18 hours)

A "C" or higher is required in all courses.

Code	Title	Hours
JOUR 202	Introduction to News Writing	3
PR 255	Fundamentals of Public Relations	3
PR 321	Communications Analytics in Public Relations and Advertising	3
or AD 321	Communications Analytics in Public Relations and Advertising	
or COMM 321	Communications Analytics in Public Relations and Advertising	
PR 356	Digital Tactics in Public Relations	3
or PR 358	Public Relations Writing and Production	
COMM 346	Persuasion	3
COMM 364	Crisis Communication	3
Total Hours		18

Workplace Communication, Certificate (1760)

Program Coordinator

Holly J. Payne, holly.payne@wku.edu, (270) 745-5876

Program Requirements (18 hours)

Interpersonal communication skills within the workplace are rated by organizations and leaders as important for employee success. In fact, many employers go so far as to emphasize communication skills such as team communication, problem solving, and conflict resolution as more important than the technical skills needed for different professions. The certificate in Workplace Communication is an 18 credit hour program designed to equip students with practical and meaningful communication skills for workforce success. The certificate allows students from any major to explore their own patterns of communication and that of others so that they can construct competent messages for different audiences within professional settings. Through hands-on learning experiences, students will engage and practice the skills needed to communicate with confidence even in difficult situations. Students will complete six courses including: COMM 145, COMM 240, COMM 330, COMM 349, COMM 348, and COMM 365.

The certificate is available to students from any major and has been designed with consideration of transfer students and dual-credit students entering WKU with required courses. Additionally, the certificate is available to non-traditional students wishing solely to earn this undergraduate certificate. All classes must be completed with a "C" or higher.

Code	Title	Hours
Required Courses (18 hours)		
COMM 145	Fundamentals of Public Speaking and Communication	3

COMM 240	Effective Listening	3
COMM 349	Small Group Communication	3
COMM 330	Leadership Communication	3
COMM 348	Interpersonal Communication	3
COMM 365	Intercultural Communication	3
Total Hours		18

Department of English

Dr. Alison Langdon, Department Chair

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Website: <http://www.wku.edu/english> (<http://www.wku.edu/english/>)

David LeNoir, English for Secondary Teachers Advisor

Gillian Knoll, Literature Advisor

Angela Jones, Professional Writing Advisor

Jeff Rice, Honors Advisor

Trini Stickle, Director of Graduate Studies and TESOL Advisor

David LeNoir, Director of Composition

Tom Hunley, Director of Creative Writing

The Department of English offers four programs of study: a major in English with specialized options in creative writing, literature, and professional writing; a major in English for Secondary Teachers; and minors in English, creative writing, professional writing, literature, and teaching English as a second language (TESOL). In addition, the department sponsors an honors program for qualified students.

The English department also makes a significant contribution to the general education of all students through ENG 100, ENG 200, and ENG 300. The department serves other departments through its offerings in intermediate composition, technical writing, business writing, linguistics, film, women's literature/gender theory, teaching English as a second language, and teaching English in the schools.

English majors and minors find that their training in close reading, analyzing, researching, and writing is valuable preparation for a broad range of business, governmental, and professional careers. The major in English for Secondary Teachers prepares students for certification to teach grades 8-12.

When planning a program of study in English, each student should be aware of the academic requirements and regulations contained in this catalog in the chapter "Academic Information." Specific attention should be given to the subsections entitled (a) Academic Programs, (b) Colonnade Requirements, and (c) Academic Requirements and Regulations. Students should also be aware that academic programs may have additional requirements not specified in the catalog. To obtain a copy of these requirements, students should contact the Department Chair or the appropriate advisor.

Honors

In cooperation with the Dixie and Pete Mahurin Honors College, the Department of English offers a number of courses designed to challenge and reward honors-eligible students studying English. Fostering a sense of community among outstanding students, the English honors courses also facilitate graduate school admission and job placement. Participants enjoy opportunities for discussion and instruction in small classes, as well as for independent research and membership in Sigma Tau Delta--

the International English Honor Society. Additionally, English majors who choose to write a six-credit-hour English-related Honors Thesis may apply three of those credit hours toward their upper-division English electives. For information, contact Jeff Rice, English Honors Advisor (Jeffrey.rice@wku.edu (jeffrey.rice@wku.edu)).

Degrees

- English for Secondary Teachers, Bachelor of Arts (561) (p. 96)
- English, Bachelor of Arts (662) (p. 98)

Minors

- Creative Writing, Minor (348) (p. 95)
- English, Minor (359) (p. 101)
- Gender & Women's Studies, Minor (378) (p. 102)
- Literature, Minor (406) (p. 103)
- Professional Writing, Minor (437) (p. 103)
- Teaching English as a Second Language (TESOL), Minor (478) (p. 103)

Faculty Professor

David J. Bell PhD (English and Comparative Literature), University of Cincinnati Main Campus, 2005
 Kenneth W. Berry PhD (English), University of Mississippi, 2000
 Nikolai Endres PhD (Comparative Literature), University of North Carolina Chapel Hill, 2000
 Jane L. Fife PhD (English Rhetoric and Composition), University of Louisville, 1992
 Robert Hale PhD (English), Louisiana State University & A&M College, 1996
 Elizabeth D. Hall PhD (English), Middle Tennessee State University, 2014
 Sandra S. Hughes PhD (English), University of Georgia, 2003
 Thomas C. Hunley PhD (Creative Writing), Florida State University, 2003
 Alison L. Langdon PhD (English), University of Oregon, 2004
 William D. LeNoir PhD, Auburn University, 1992
 Alexander B. Poole PhD (English), Oklahoma State University Main Campus, 2003
 Merrill Price PhD (English), University of Rochester, 1998
 Kelly L. Reames PhD (English), University of North Carolina Chapel Hill, 2002

Associate Professor

Kristi R. Branham PhD (English), University of Kentucky, 2006
 Cheryl R. Hopson PhD (English), University of Kentucky, 2008
 Patricia A. Jagers MFA (Writing), Spalding University, 2008
 Angela L. Jones PhD (English), University of Kansas Main Campus, 2001
 Gillian B. Knoll PhD, University of Maryland College Park, 2012
 Peggy D. Otto PhD (English Rhetoric & Composition), University of Louisville, 1999
 Jeffrey A. Rice PhD (English), University of Florida, 2010
 Lawrence D. Rigby PhD (English), University of Missouri-Columbia, 2000
 Trini G. Stickle PhD (English), University of Wisconsin-Madison, 2015

Assistant Professor

Nancy W. Dinan PhD (English), Texas Tech University, 2020
 Jessica L. Folk MFA (Screenwriting), Chapman University, 2014
 Daniel J. Little PhD (Rhetoric), Purdue University Main Campus, 2018
 Mark M. McAndrews PhD (Applied Linguistics), Northern Arizona University, 2020
 Jessica R. Thomsen PhD (English), Florida State University, 2021

Marla K. Zubeil PhD (Comparative Literature), University of Minnesota-Twin Cities, 2017

Pedagogical Associate Professor

Megan K. Miller MA (English), Southern Illinois University Carbondale, 2002

Pedagogical Assistant Professor

Fabian Alvarez MA (English), California State University-Chico, 2006
 Elisa L. Berry MA (English), Western Kentucky University, 2016

Instructor I

John E. Conley PhD (Comparative Studies in Discourse and Society), University of Minnesota-Twin Cities, 2008
 Leslie M. Fox MFA (Creative Writing), Western Kentucky University, 2018
 Jacqueline R. Gibbons MAE (Adult Education), Western Kentucky University, 2011
 Michael J. Healy PhD (English), Florida State University, 2021
 Joseph A. Hurtgen PhD (English), Ball State University, 2016
 Jon R. Meyers MFA (Creative Writing), Western Kentucky University, 2021
 Samantha F. Williams MA (English), Western Kentucky University, 2021
 Dawn M. Winters MA (English), Western Kentucky University, 2009

Instructor II

Debra Hays MA (English), Western Kentucky University, 1987
 Marya L. Turley MA (English), Western Kentucky University, 2003

Creative Writing, Minor (348)

Program Coordinator

Jessica L. Folk, jessica.folk@wku.edu, (270) 745-5787

Program Requirements (21 hours)

Code	Title	Hours
ENG 203	Creative Writing (prerequisite to the upper-level creative writing courses)	3
Select four of the following creative writing courses:		12
ENG 303	Intermediate Fiction Writing	
ENG 305	Intermediate Poetry Writing	
ENG 311	Creative Nonfiction Writing	
ENG 329	Special Topics in Creative Writing	
ENG 358	Drama Writing	
ENG 399	Topics in English (Creative writing topics only)	
ENG 403	Writing Memoir and Autobiography	
ENG 413	Creative Writing Capstone	
ENG 467	Visiting Writer Summer Workshop	
ENG 474	Advanced Poetry Writing	
ENG 475	Advanced Fiction Workshop	
Select two of the following 300- or 400-level literature courses:		6
ENG 333	Medieval Literature	
ENG 339	Special Topics in Literature	
ENG 340	Speculative Fiction	
ENG 354	History of Drama to 1640	
ENG 355	History of Drama Since 1640	
ENG 360	Gay and Lesbian Literature	
ENG 365	Film Adaptation	
ENG 370	U.S. Ethnic Literature	
ENG 381	Survey of British Literature I	

ENG 382	Survey of British Literature II
ENG 385	Studies in World Literature
ENG 387	Studies in Autobiography
ENG 391	Survey of American Literature I
ENG 392	Survey of American Literature II
ENG 393	African American Literature
ENG 394	Kentucky Literature
ENG 395	Contemporary U.S. Literature
ENG 396	Mythology
ENG 398	Hemingway and Faulkner
ENG 399	Topics in English (Literature topics only)
ENG 430	19th Century American Literature
ENG 455	American Drama
ENG 457	British Literature Since 1900
ENG 459	Modern Drama
ENG 460	Literary Theory and Criticism
ENG 468	Early Modern English Literature
ENG 481	Chaucer
ENG 482	Shakespeare
ENG 484	British Romanticism
ENG 486	The Eighteenth Century
ENG 487	Dante's Divine Comedy and Its Influences
ENG 488	Victorian Literature and Culture
ENG 489	The English Novel
ENG 490	The American Novel
ENG 493	American Poetry
ENG 495	Southern Literature
ENG 497	Women's Literature

Total Hours **21**

(In consultation with the advisor, creative writing students should consider taking at least one of the electives in contemporary literature.) No more than six hours in a major may apply toward the creative writing minor for a total of at least 54 unduplicated hours between the major and minor.

English for Secondary Teachers, Bachelor of Arts (561)

Program Coordinator

William D. LeNoir, david.lenoir@wku.edu, (270) 745-5712

The English for Secondary Teachers major prepares students for certification to teach grades 8-12. The major is well rounded, featuring work in literature, writing, language study, and allied language arts. It is structured to meet specific accreditation and certification requirements while still offering students choice in course selection.

Instead of a minor or second major requirement, this major includes a component of Professional Education courses, culminating in a semester of student teaching. In addition to the usual study-abroad opportunities available to students, a portion of the student teaching semester may be completed abroad.

Although the major is specifically aimed at preparing future secondary teachers, graduates are free to pursue other career paths appropriate for English majors, and they have the flexibility to go on to graduate study either in English or in education.

Program Requirements (54 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major in English for secondary teachers is intended for those seeking certification to teach in grades 8-12. It requires a minimum of 54 semester hours and leads to a Bachelor of Arts degree. No minor or second major is required. (Teacher certification requires an additional 33 hours of education courses specified by the College of Education and Behavioral Sciences.) A grade of "C" or higher is required in all courses applying to the major.

Code	Title	Hours
Core Courses		
ENG 104	Introduction to Linguistics	3
ENG 204	English Language	3
ENG 299	Introduction to English Studies	3
ENG 301	Argument and Analysis in Written Discourse	3
ENG 385	Studies in World Literature	3
ENG 391	Survey of American Literature I	3
ENG 410	Composition Theory and Practice in Writing Instruction	3
ENG 416	Literature/EST Capstone	3
COMM 145	Fundamentals of Public Speaking and Communication	3
THEA 151	Theatre Appreciation ¹	3
ENG 476	Critical Approaches to Literature in the Secondary Curriculum	3
Literature Surveys		
Select two of the following:		6
ENG 381	Survey of British Literature I	
ENG 382	Survey of British Literature II	
ENG 392	Survey of American Literature II	
Allied Language Arts		
Select two of the following:		6
COMM 245	Argumentation and Debate	
COMM 345	Advanced Public Speaking	
JOUR 202	Introduction to News Writing	
THEA 425	Play Production in the Schools	
THEA 325	Theatre in Education	
Writing Electives		
Select one of the following:		3
ENG 212	Introduction to Digital Texts and Media	

ENG 303	Intermediate Fiction Writing
ENG 305	Intermediate Poetry Writing
ENG 311	Creative Nonfiction Writing
ENG 329	Special Topics in Creative Writing
ENG 358	Drama Writing
ENG 401	Advanced Composition
ENG 402	Editing and Publishing
ENG 415	Writing and Technology

Literature Elective

Select one of the following: 3

ENG 333	Medieval Literature
ENG 339	Special Topics in Literature
ENG 340	Speculative Fiction
ENG 354	History of Drama to 1640
ENG 355	History of Drama Since 1640
ENG 365	Film Adaptation
ENG 387	Studies in Autobiography
ENG 394	Kentucky Literature
ENG 395	Contemporary U.S. Literature
ENG 396	Mythology
ENG 398	Hemingway and Faulkner
ENG 430	19th Century American Literature
ENG 455	American Drama
ENG 457	British Literature Since 1900
ENG 459	Modern Drama
ENG 460	Literary Theory and Criticism
ENG 468	Early Modern English Literature
ENG 481	Chaucer
ENG 482	Shakespeare
ENG 484	British Romanticism
ENG 486	The Eighteenth Century
ENG 487	Dante's Divine Comedy and Its Influences
ENG 488	Victorian Literature and Culture
ENG 489	The English Novel
ENG 490	The American Novel
ENG 493	American Poetry
ENG 495	Southern Literature

Literature of Diversity

Select one of the following: 3

ENG 360	Queer Literature
ENG 370	U.S. Ethnic Literature
ENG 393	African American Literature
ENG 497	Women's Literature

Total Hours 54¹ COMM 145 and THEA 151 also count as Colonnade courses.

NOTE: A former requirement—either CIS 141 or LME 448—is now recommended only for students who perceive a weakness in their technology skills.

Professional Education Courses

Code	Title	Hours
EDU 250	Discover Teaching: Introduction to Teacher Education	3
PSY 310	Educational Psychology: Development and Learning	3
SEC 350	Clinical Practices in Secondary Teaching I	8
EDU 350	Student Diversity and Differentiation	3
EDU 360	Behavior and Classroom Management in Education	3
SEC 450	Clinical Practices in Secondary Teaching II	1
SEC 475	Teaching Language Arts	3
EDU 260	Classroom Assessment	3
SEC 490	Student Teaching	5-10
EDU 489	Student Teaching Seminar	3

Total Hours 35-40**Total English with Secondary Certification: 88 hours****Finish in Four Plan**

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 ENG 200	3
ENG 104		3 ENG 204	3
THEA 151		3 COMM 145	3
EDU 250		3 EDU 260	3
MATH 109 or MATH 116		3 HIST 101 or HIST 102	3
		15	15

Second Year			
Fall	Hours	Spring	Hours
ENG 299		3 ENG 300	3
Allied Language Arts (1 of 2)		3 ENG Literature of Diversity (1 of 1)	3
ENG 385 or ENG 391		3 ENG 385 or ENG 391	3
Colonnade - Social & Behavioral		3 Allied Language Arts (2 of 2)	3
EDU 350		3 Colonnade - Natural & Physical Science & Lab	3
EDU 360		3 English Survey (1 of 2: 381, 382, or 392)	3
		18	18

Third Year			
Fall	Hours	Spring	Hours
ENG 301		3 SEC 350	8
ENG Survey (2 of 2: 381, 382, or 392)		3 ENG 476	3
Literature Elective (1 of 1)		3 ENG 410	3
PSY 310		3 Connections - Systems	3
Colonnade - Natural & Physical Science (w/o Lab)		3	
		15	17

Fourth Year			
Fall	Hours	Spring	Hours
ENG 416		3 SEC 490	10
SEC 475		3 EDU 489	3

SEC 450	1
ENG Writing Elective (1 of 1)	3
Connections - Social & Cultural	3
Connections - Local to Global	3
	16

Total Hours 127

Code	Title	Hours
Core Courses:		
Introduction to the Major		
ENG 299	Introduction to English Studies	3
Literature Survey Courses		
ENG 385	Studies in World Literature	3

Select one of the following pairings: 6

ENG 381 & ENG 392 Survey of British Literature I and Survey of American Literature II

ENG 382 & ENG 391 Survey of British Literature II and Survey of American Literature I

Language Course

ENG 204 English Language 3

Writing Courses

Select one of the following: 3

ENG 203 Creative Writing

ENG 306 Business Writing

ENG 307 Technical Writing

ENG 401 Advanced Composition

ENG 410 Composition Theory and Practice in Writing Instruction

Select one of the following: 3

ENG 212 Introduction to Digital Texts and Media

ENG 301 Argument and Analysis in Written Discourse

ENG 412 Theories of Rhetoric and Persuasive Writing

Capstone

Select one of the following, depending on the concentration: 3

ENG 413 Creative Writing Capstone

ENG 414 Professional Writing Capstone

ENG 416 Literature/EST Capstone

Select one 300- or 400- level literature elective from the departmental offerings. 3

Total Hours 27

English, Bachelor of Arts (662)

Program Coordinator

Angela L. Jones, angela.jones@wku.edu, (270) 745-5771

Program Coordinator for the Literature Concentration: Gillian Knoll (gillian.knoll@wku.edu)

Program Coordinator for the Creative Writing: Jessica Folk (jessica.folk@wku.edu)

Program Coordinator for the Professional Writing Concentration: Angela Jones (angela.jones@wku.edu)

The English major prepares students to be productive citizens by developing strong writing, research, and critical thinking skills throughout its curriculum. The major allows students to specialize in concentrations devoted to literature, creative writing, or professional writing, with many students opting to take courses in more than one of these areas.

English students are prepared to communicate, interpret, create, and research in multiple genres and through multiple platforms, with the flexibility to apply these skills to the diverse circumstances required in today's professional environment. The nature of the material covered in this curriculum, including studying literary works by authors from highly diverse backgrounds from around the globe, ensures that our students will be engaged and socially responsible.

Concentrations

- Literature (ENLT)
- Creative Writing (ENCW)
- Professional Writing (ENPW)

Program Requirements (42 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

All English major concentrations require 42 semester hours with 27 hours in the core and 15 hours in the concentration. Students must take an introduction to the major course (ENG 299), three literature survey courses (ENG 385 and either ENG 381 and ENG 392 or ENG 382 and ENG 391), a language course (ENG 204), two writing courses (ENG 203, ENG 306, ENG 307, ENG 401, or ENG 410) AND (ENG 212, ENG 301, or ENG 412), and a capstone (ENG 413, ENG 414, or ENG 416, depending on their concentration).

Creative Writing Concentration

Our Creative Writing program offers courses in a variety of genres: creative nonfiction, fiction, play/screenwriting, and poetry. The curriculum includes a study of literature and emphasizes experimentation to help students find and develop their interests, their skills, and ultimately, their own niche.

Our Readers Series brings to campus several successful authors each year for public readings, classroom visits, and workshops. CW students are encouraged to pursue publication of original work both by submitting for print publication and participating in readings – and opportunities abound.

Our literacy publication, *Zephyrus*, is produced by and for WKU students; numerous writing contests (including the English Club's Goldenrod Poetry Contest and a genre-rotating contest accompanying the annual Jim Wayne Miller Celebration of Writing) are offered each year, and the campus and larger community offer a variety of venues for readings, from

coffeehouse open-mic nights to more formal occasions, like our annual Senior Reading.

The CW major requires either a second major or a minor, and we invite students to use that requirement to their advantage by selecting one which will contribute directly to their aspirations, whether that may be a career plan (since almost every career field has a place for skilled writers) or a discipline which will better equip them for a specific writing pursuit. Naturally, the CW program—like all other English majors—also offers opportunities to study abroad.

The creative writing concentration requires a minimum of 42 hours and leads to the Bachelor of Arts degree. A minor or second major is required. A grade of “C” or higher is required in all courses applying to this major.

Code	Title	Hours
ENG 204	English Language	3
ENG 299	Introduction to English Studies	3
ENG 312	Reading as a Writer	3
ENG 385	Studies in World Literature	3
ENG 413	Creative Writing Capstone (capstone, which should be taken in the final semester of coursework)	3
Select one of the following:		6
ENG 381 & ENG 392	Survey of British Literature I and Survey of American Literature II	
ENG 382 & ENG 391	Survey of British Literature II and Survey of American Literature I	
Select one of the following:		3
ENG 203	Creative Writing ¹	
ENG 306	Business Writing	
ENG 307	Technical Writing	
ENG 401	Advanced Composition	
ENG 410	Composition Theory and Practice in Writing Instruction	
Select one of the following:		3
ENG 212	Introduction to Digital Texts and Media	
ENG 301	Argument and Analysis in Written Discourse	
ENG 412	Theories of Rhetoric and Persuasive Writing	
Select four of the following:		12
FILM 250	Screenwriting I	3
ENG 303	Intermediate Fiction Writing	
ENG 305	Intermediate Poetry Writing	
ENG 311	Creative Nonfiction Writing	
ENG 329	Special Topics in Creative Writing	
ENG 358	Drama Writing	
ENG 359	Topics in Scriptwriting	3
ENG 403	Writing Memoir and Autobiography	
ENG 411	Directed Writing	
FILM 450	Feature Screenwriting	3
ENG 474	Advanced Poetry Writing	
ENG 475	Advanced Fiction Workshop	
ENG 467	Visiting Writer Summer Workshop	

Select one 300- or 400- level literature elective from department offerings

3

Total Hours

51

¹ ENG 203 is a required prerequisite to the upper-level creative writing courses.

Literature Concentration

The English literature concentration at WKU is a dynamic program offering a wide range of courses. Our majors not only build a strong, broad foundation in literature in English (British, American, World), they also have opportunities for in-depth study in literature electives such as “Dante’s Divine Comedy,” “Southern Literature,” and “Mythology” as well as special topics courses such as “Gothic Fiction” and “Literature and the Environment.”

In addition to courses offered here at WKU, we offer opportunities to study abroad in far-flung locations such as Cuba, Japan, Italy, and the United Kingdom; closer to home, recent study away courses have traveled to Chicago, New York City, and Oxford, Mississippi.

Through the English Club, literature majors engage in extracurricular activities that include attending public readings and plays or serving as Judges for the Goldenrod poetry contest. Our students’ talents are showcased in the department’s undergraduate scholarly journal, The Ashen Egg, and each year a number of students present their work at local, regional, and even national conferences.

The literature concentration in English requires a minimum of 42 semester hours and leads to a Bachelor of Arts degree. A minor or second major is required. A grade of “C” or higher is required in all courses applying to the major. At least one of the restricted literature electives must be at the 400-level.

Code	Title	Hours
ENG 204	English Language	3
ENG 299	Introduction to English Studies	3
ENG 381	Survey of British Literature I	3
ENG 382	Survey of British Literature II	3
ENG 385	Studies in World Literature	3
ENG 391	Survey of American Literature I	3
ENG 392	Survey of American Literature II	3
ENG 416	Literature/EST Capstone (senior capstone, which should be taken in the last semester of coursework)	3
Select one of the following:		3
ENG 203	Creative Writing	
ENG 306	Business Writing	
ENG 307	Technical Writing	
ENG 401	Advanced Composition	
ENG 410	Composition Theory and Practice in Writing Instruction	
Select one of the following:		3
ENG 212	Introduction to Digital Texts and Media	
ENG 301	Argument and Analysis in Written Discourse	
ENG 412	Theories of Rhetoric and Persuasive Writing	

Select four additional three-credit, upper-level literature Courses	12
Total Hours	42

Professional Writing Concentration

Our PW program emphasizes the kinds of thinking, reading, and writing skills necessary for today's workplaces. Students in our program learn how to write persuasively, edit and publish professional texts, research projects and consult with clients, and use online writing technologies (social media, blogging, etc.) for professional purposes.

In conjunction with the English department, we also offer study-abroad opportunities in locations like the United Kingdom, Switzerland, Japan, and Greece. Finally, we strongly encourage Professional Writing students to enroll in our robust internship program and get "on-the-job" writing/editorial experience in publishing houses and presses, local non-profits, and campus organizations. Many of our students have used their successful internship opportunities to secure permanent positions as new editors, journalists, technical writers in local security firms and environmental consulting organizations, or to pursue advanced degrees in English, Biology, Social Work, and Law to name a few.

The professional writing concentration requires a minimum of 42 hours and leads to the Bachelor of Arts degree. A minor or second major is required. A grade of "C" or higher is required in all courses applying to the major. It is strongly recommended that students in the professional writing concentration complete an internship (ENG 369).

Code	Title	Hours
ENG 204	English Language	3
ENG 299	Introduction to English Studies	3
ENG 385	Studies in World Literature	3
ENG 414	Professional Writing Capstone (capstone, which should be taken the final semester of coursework)	3
Select one of the following pairs:		6
ENG 381 & ENG 392	Survey of British Literature I and Survey of American Literature II	
ENG 382 & ENG 391	Survey of British Literature II and Survey of American Literature I	
Select one of the following:		3
ENG 203	Creative Writing	
ENG 306	Business Writing ¹	
ENG 307	Technical Writing ¹	
ENG 401	Advanced Composition	
ENG 410	Composition Theory and Practice in Writing Instruction	
Select one of the following:		3
ENG 212	Introduction to Digital Texts and Media	
ENG 301	Argument and Analysis in Written Discourse	
ENG 412	Theories of Rhetoric and Persuasive Writing	
Select five of the following, but no more than two from outside of the English Department:		15
ENG 212	Introduction to Digital Texts and Media	

ENG 301	Argument and Analysis in Written Discourse	
ENG 306	Business Writing	
ENG 307	Technical Writing	
ENG 349	Special Topics in Professional Writing	
ENG 369	Internship I	
ENG 401	Advanced Composition	
ENG 402	Editing and Publishing	
ENG 412	Theories of Rhetoric and Persuasive Writing	
ENG 415	Writing and Technology	
MKT 220	Basic Marketing Concepts	
MKT 331	Social Media Marketing	
PR 354	International Public Relations	
PJ 131	Fundamentals of Photography	
BCOM 264	Digital Video Production and Distribution	
300- or 400-level Literature Elective from department offerings		3
Total Hours		42

¹ ENG 306 or ENG 307 is a prerequisite for most professional writing classes.

Finish in Four Plan Creative Writing

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 ENG 200	3
HIST 101 or HIST 102		3 Colonnade - Social & Behavioral Science	3
Colonnade - Natural & Physical Sciences w/ no lab		3 MATH 109 or MATH 116	3
Colonnade - Arts & Humanities		3 COMM 145	3
World Language Requirement or General Elective		3 Minor Course	3
		15	15
Second Year			
Fall	Hours	Spring	Hours
ENG 299		3 Creative Writing Elective #1 (of 4)	3
ENG 203		3 ENG 312	3
Literature Survey #1 (of 3)		3 ENG 204	3
Minor Course		3 Minor Course	3
Colonnade - Natural & Physical Science w/ lab		3 Colonnade - Social & Cultural	3
		15	15
Third Year			
Fall	Hours	Spring	Hours
ENG 300		3 Literature Elective (300/400 level)	3
Literature Survey #2 (of 3)		3 Creative Writing Elective #3 (of 4)	3
Creative Writing Elective #2 (of 4)		3 Rhetoric Elective (ENG 212 or ENG 301 or ENG 412)	3
Minor Course		3 Minor Course	3

Colonnade - Local to Global	3 Minor Course	3
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Fourth Year			
Fall	Hours	Spring	Hours
Creative Writing Elective #4 (of 4)		3 ENG 413	3
Literature Survey #3 (of 3)		3 Minor Course or General Elective	3
Minor Course		3 Minor Course or General Elective	3
Minor Course or General Elective		3 General Elective	3
Colonnade - Systems		3 General Elective	3
	15		15

Total Hours 120

Literature

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 ENG 200	3
HIST 101 or HIST 102		3 Colonnade - Social & Behavioral Science	3
Colonnade - Natural & Physical Sciences w/ no lab		3 MATH 109 or MATH 116	3
Colonnade - Arts & Humanities		3 COMM 145	3
World Language Requirement or General Elective		3 Minor Course	3
	15		15

Second Year			
Fall	Hours	Spring	Hours
ENG 299		3 Literature Elective	3
ENG 385		3 ENG 381	3
Minor Course		3 ENG 204	3
Minor Course		3 Minor Course	3
Colonnade - Natural & Physical Science w/ lab		3 Colonnade - Social & Cultural	3
	15		15

Third Year			
Fall	Hours	Spring	Hours
ENG 300		3 Literature Elective	3
ENG 391		3 Writing Elective (203, 306, 307, 401, 410)	3
Literature Elective		3 ENG 382	3
Minor Course		3 Minor Course	3
Colonnade - Local to Global		3 Minor Course	3
	15		15

Fourth Year			
Fall	Hours	Spring	Hours
Literature Elective		3 ENG 416	3
ENG 392		3 Minor Course or General Elective	3
Rhetoric Elective (212, 301, 412)		3 Minor Course or General Elective	3
Minor Course or General Elective		3 General Elective	3
Colonnade - Systems		3 General Elective	3
	15		15

Total Hours 120

Professional Writing

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 ENG 200	3
HIST 101 or HIST 102		3 Colonnade - Social & Behavioral Science	3
Colonnade - Natural & Physical Sciences w/ no lab		3 MATH 109 or MATH 116	3
Colonnade - Arts & Humanities		3 COMM 145	3
World Language Requirement or General Elective		3 General Elective	3
	15		15

Second Year			
Fall	Hours	Spring	Hours
ENG 299		3 ENG 204	3
ENG 300		3 ENG 306	3
Minor Course		3 Minor Course	3
Minor Course		3 Minor Course	3
Colonnade - Natural & Physical Science w/ lab		3 Minor Course or General Elective	3
	15		15

Third Year			
Fall	Hours	Spring	Hours
Professional Writing Elective		3 Writing & Rhetoric Course	3
Professional Writing Elective		3 Professional Writing Elective	3
ENG 385		3 Literature Survey	3
Literature Elective (300/400 level)		3 Minor Course	3
Minor Course		3 Colonnade - Social & Cultural or Local to Global or Systems	3
	15		15

Fourth Year			
Fall	Hours	Spring	Hours
ENG 414		3 Professional Writing Elective	3
Literature Survey		3 Professional Writing Elective	3
Colonnade - Social & Cultural or Local to Global or Systems		3 Colonnade - Social & Cultural or Local to Global or Systems	3
Minor Course		3 Minor Course	3
Minor Course or General Elective		3 Minor Course or General Elective	3
	15		15

Total Hours 120

English, Minor (359)

Program Coordinator

Alison L. Langdon, alison.langdon@wku.edu, (270) 745-3046

Program Requirements (21 hours)

Code	Title	Hours
ENG 204	English Language	3
Select one of the following literature surveys:		6
ENG 381 & ENG 392	Survey of British Literature I and Survey of American Literature II	

ENG 382 & ENG 391	Survey of British Literature II and Survey of American Literature I	
Select three hours of upper-level literature		3
Select one of the following:		3
ENG 203	Creative Writing	
ENG 306	Business Writing	
ENG 307	Technical Writing	
ENG 401	Advanced Composition	
ENG 410	Composition Theory and Practice in Writing Instruction	
Select one of the following:		3
ENG 212	Introduction to Digital Texts and Media	
ENG 301	Argument and Analysis in Written Discourse	
ENG 412	Theories of Rhetoric and Persuasive Writing	
Select three hours of English electives		3
Total Hours		21

Gender & Women's Studies, Minor (378)

Program Coordinator

Elizabeth D. Hall, dawn.hall@wku.edu, (270) 745-8944

GWS Office Phone: (270) 745-6477

GWS Program Email: womensstudies@wku.edu

GWS Office Location: Cherry Hall 301

Mission Statement

The Gender & Women's Studies Program broadens students' knowledge of gender dynamics, globally and historically, with an emphasis on issues central to women's lives. Through an interdisciplinary classroom experience, community outreach, and special events, the Gender and Women's Studies Program advances understanding of the social and cultural institutions and practices that affect us.

Goals

- sharpen ability to critically analyze gender issues
- encourage the practice of feminist scholarship
- enhance intellectual and personal growth
- foster an atmosphere in which diversity and sustainability are valued
- advocate ethical conduct, social justice, and responsible global citizenship

Program Requirements (21 hours)

Course requirements include 6 hours of required courses, plus 15 hours of electives, with no more than 9 elective hours from any one prefix.

Code	Title	Hours
Core Courses		6
GWS 200	Introduction to Gender And Women's Studies	
GWS 400	Western Feminist Thought	
Elective Course Options		15

GWS 375	American Masculinities
GWS 470	Special Topics in Gender and Women's Studies
GWS 499	Directed Study
AFAM 343	Communities of Struggle
AFAM 353	Radical Blackness
AFAM 393 or ENG 393	African American Literature
ANTH 343	Anthropology of Gender
CRIM 446	Gender, Crime, and Justice
COMM 374	Gender Communication
COMM 388	Seminar in Political Communication
DANC 360	Dance in Culture: Moving History
DCS 363	Narrative, Discourse, and Prison Systems
ENG 104	Introduction to Linguistics
ENG 295	Popular Culture and Gender: Signs & Narratives
ENG 360	Gay and Lesbian Literature
ENG 365	Film Adaptation
ENG 387	Studies in Autobiography
ENG 388	Postcolonial Studies
ENG 465 or FILM 465	Film Genres
ENG 488	Victorian Literature and Culture
ENG 489	The English Novel
ENG 497	Women's Literature
FACS 311	Family Relations
FACS 495	Family and Relationship Violence
FLK 280	Cultural Diversity in the U S
FLK 330	Cultural Connections and Diversity
FLK 373	Folklore and the Media
FLK 480	Women's Folklore
FILM 369	Introduction to World Cinema
FILM 469	Topics in World Cinema
HIST 329	Black Intellectual History
HIST 335	Twentieth Century Europe
HIST 420	History of Sexuality
HIST 446	American Legal History Since 1865
HIST 453	American Women's History
PHIL 212	Philosophy and Gender Theory
PLS 324	Women and the Law
PS 373	Minority Politics
PS 374	Women and Politics
PH 365	Human Sexuality
PH 464	Women's Health
PSY 350 or PSYS 350	Social Psychology
PSY 355	Issues in Cross-Cultural Psychology
PSYS 453	Psychology of Women
PSYS 482	Psychology of Sexuality
RELS 322	Pilgrimage, Islam and Modernity
RELS 331	Islam in America: Hope & Hip Hop

RELS 333	Women and Religion
RELS 341	Religion and the Environment
RELS 401	Religious Studies Seminar
SOM 310	Media Diversity
SOCL 220	Marriage and Family
SOCL 350	Systems of Social Inequality
SOCL 355	Sociology of Gender
SOCL 359	Sexuality and Society
SOCL 362	Social Institutions: Race, Class, and Gender
SOCL 435	Family Violence
SOCL 466	Gender, Family, and Society
THEA 341	Culture and Performance
THEA 375	Topics in Drama
Total Hours	21

No more than nine hours of electives may be taken in any one prefix. Because new courses are added and occasionally dropped from the categories below, students should consult the latest information on the website (www.wku.edu/womensstudies (<http://www.wku.edu/womensstudies/>)) or in the Gender and Women's Studies office in Cherry Hall 301.

Additional offerings include special topics courses in various disciplines.

Literature, Minor (406)

Program Coordinator

Gillian B. Knoll, gillian.knoll@wku.edu, (270) 745-5770

Program Requirements (21 hours)

Code	Title	Hours
Select 12 hours of upper-level literature electives		12
Select one of the following literature survey pairings:		6
ENG 381 & ENG 392	Survey of British Literature I and Survey of American Literature II	
ENG 382 & ENG 391	Survey of British Literature II and Survey of American Literature I	
Select three hours of upper-level English electives		3
Total Hours		21

Students majoring in English with a concentration in Creative Writing or Professional Writing may not duplicate ENG 381, ENG 382, ENG 391, or ENG 392 from the major. English majors with a concentration in literature (662L) cannot take this minor. No more than six hours in the English major may apply toward the literature minor, for a total of at least 54 unduplicated hours between the major and minor. Up to three hours of upper-level literature courses offered in other departments (e.g. Folk Studies, Library Media Education) may be counted toward the literature minor with prior approval by the English Department.

Professional Writing, Minor (437)

Program Coordinator

Angela L. Jones, angela.jones@wku.edu, (270) 745-5771

Program Requirements (21 hours)

Code	Title	Hours
ENG 306 or ENG 307	Business Writing Technical Writing	3
ENG 401	Advanced Composition	3
ENG 402	Editing and Publishing	3
ENG 412	Theories of Rhetoric and Persuasive Writing	3
ENG 414	Professional Writing Capstone ¹	3
ENG 212 or ENG 415	Introduction to Digital Texts and Media Writing and Technology	3
Select one of the following:		3
ENG 301	Argument and Analysis in Written Discourse	
ENG 349	Special Topics in Professional Writing	
ENG 369	Internship I	
Total Hours		21

¹ ENG 414 should be taken after completing of at least 12 hours toward the minor.

No more than six hours in the English major may apply toward the professional writing minor, for a total of at least 54 unduplicated hours between the major and minor.

Teaching English as a Second Language (TESOL), Minor (478)

Program Coordinator

Trini G. Stickle, trini.stickle@wku.edu, (270) 745-5726

Program Requirements (19 hours)

The minor in teaching English as a second language (TESOL) will prepare students interested in linguistics and language teaching to pursue teaching opportunities in private corporations or overseas in both corporations and public schools.

Code	Title	Hours
Select one of the following:		3
ENG 104	Introduction to Linguistics	
ENG 204	English Language	
ENG 302	Language and Communication (or the equivalent)	
ENG 407	Linguistic Analysis	3
ENG 408	Psycholinguistics and Sociolinguistics	3
ENG 469	2nd Language Acquisition Theory	3
ENG 470	Methods and Materials for Teaching English as a Second Language	3
ENG 471	Teaching English as a Second Language Practicum	4
Total Hours		19

In addition, all students will be required to complete two semesters of the same international language at the college level or the language requirements of the Colonnade Program. ENG 104, ENG 204 or ENG 302 (or equivalent) is a prerequisite for ENG 407. ENG 407 is the prerequisite for ENG 408. ENG 471 must be completed at the end of coursework. *Students who complete the TESOL minor and also qualify for teacher certification may also qualify for the TESOL endorsement.*

Department of Folk Studies and Anthropology

Dr. Darlene Applegate, Chair

Email: Darlene.Applegate@wku.edu

Ivan Wilson Center for Fine Arts, Room 237

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Website: <https://www.wku.edu/fsa> (<http://www.wku.edu/fsa/>)

What is folklore? When you think about folklore, do you think about fairy tales, quilts, dulcimers, and log cabins? Folklore does include these things, but folklore also includes food customs, jokes, holiday customs, vernacular architecture, folk art, body art, memes, cosplay, urban legends, supernatural stories, bathroom graffiti ... and so much more. Folklore is informal traditional culture. It is the art of everyday life. It is our customs, our beliefs, our stories, our worldview, and how we communicate. In fact, it's often so close to us we don't even notice it's there—which is precisely why it's so important.

What is anthropology? Anthropology is the holistic study of human culture and biology in any geographic place or time period. Anthropologists study topics as diverse as technology, foodways and subsistence, diet and nutrition, housing and settlement, economic systems, educational systems, kinship and social organization, political organization, gender and social identity, religion and belief systems, language, art and other forms of expressive culture, culture change and globalization, evolution and adaptation, health and disease, human genetics, growth and development, demography, and non-human primates like chimpanzees. Anthropologists conduct research in the field and in the laboratory.

Academic Programs

The programs and coursework of the Department of Folk Studies and Anthropology provide WKU students and the University constituency with the training, intellectual tools, and resources to understand the cultural and biological dimensions of humankind in terms of the myriad shaping factors addressed in our respective disciplines. Although the disciplines of anthropology and folk studies are distinct, we share the University's commitment to excellence in teaching, research, and public service, recognizing that this mission continues to evolve in response to regional, national, and global change.

The undergraduate and graduate programs in folk studies stress the examination of traditional expressive culture as a key to understanding human experience. The discipline of folklore has close affinities with literature, anthropology, sociology, history, geography, linguistics, philosophy, ethnomusicology, and psychology. The folk studies program integrates humanistic and social scientific perspectives on culture with pragmatic skills needed for professional involvement in research or for a variety of fields of employment such as public and applied folklore, historic preservation, cultural resource management, and museum work.

The department offers an undergraduate minor in folklore in order to provide students with opportunities to enrich their general knowledge of the folk traditions and customs of specific societies and culture areas and to develop greater understanding of related forms of human thought and expression.

The anthropology program at Western Kentucky University offers students a cohesive program of study that enriches their knowledge of human culture and biology, develops their cross-cultural perspectives, and prepares them for a variety of careers. In particular, the program provides opportunities for students to study the interaction of culture and biology, both in contemporary societies and in the archaeological and evolutionary past. The anthropology major and minor curricula prepare students for graduate studies and employment in cultural anthropology, biological anthropology, archaeology, linguistic anthropology, applied anthropology, cultural resource management, and related fields. Anthropology enriches the study of history, folklore, religion, languages, biological and physical sciences, and other social sciences. The anthropology program maintains extensive archaeological, biological, and cultural collections at the Anthropology Laboratory. The anthropology program also houses the state-of-the-art Ethnographic Visual Production Lab with digital audio and video recorders and cameras, virtual reality equipment, and editing stations.

When planning programs of study in this department, students should be aware of the University's academic requirements and regulations contained in this catalog in the chapter "Academic Information." Specific attention should be given to the subsections in the chapter entitled (a) Academic Programs, (b) Colonnade Requirements, and (c) Academic Requirements and Regulations. Students should be aware that some academic programs may require additional scholastic regulations and standards not specified in the catalog. To obtain a copy of these regulations, students should contact the Department Chair.

JUMP Program

The Folk Studies Joint Undergraduate-Master's Program (JUMP) offers highly qualified and motivated students the opportunity to complete a Bachelor's degree and a Master's degree in an accelerated time frame. Qualified students who have been admitted to the JUMP program may begin taking graduate courses in folk studies as early as their junior year and can then apply for admission to the MA Program in Folk Studies. *JUMP students are NOT required to be Folklore minors.*

Why Study Folklore and Anthropology?

The folklorist's skills in listening, collaboration, and analytical thinking are valuable skills for a wide variety of jobs. With a folklore minor, you'll develop outstanding skills for communicating across cultural groups as you conduct ethnographic fieldwork. You'll learn how to do multimedia production as you curate your fieldwork data for new audiences. And you'll learn how to work collaboratively with a diverse range of community partners. These are the skills 21st century employers seek. According to a survey of recent graduates, 73% of our undergraduate folklore minors were employed and 17% went on to graduate programs. Our graduates are public folklorists, museum curators, educators, preservationists, film producers, professors, and even intelligence analysts.

Training in anthropology promotes cultural awareness and enhances critical thinking, data collection and analysis, and creative problem-solving skills. Our students are actively engaged in research, extracurricular activities, public education, and community service, gaining valuable experience in preparation for careers and advanced

studies. According to a recent survey of our anthropology graduates, 74% were employed and 21% progressed on to graduate school. Our former students are working in contract archaeology, cultural resource management, museums, medical anthropology, visual media, international education, the non-profit sector, and other exciting areas.

Public Outreach Programs

The department is proud to house two award-winning public outreach programs. Besides serving diverse communities across the Commonwealth, the programs afford our students with opportunities to gain practical hands-on experience in public folklore and applied anthropology.

For over 30 years the Kentucky Folklife Program (KFP) has been dedicated to the mission of documenting, presenting, and conserving the diverse traditional culture and heritage of the Commonwealth. Founded in 1989 as an inter-agency partnership between the Kentucky Historical Society and Kentucky Arts Council, KFP moved to its current home in the department in 2012. Physically located in the Pioneer Log Cabin on WKU's main campus, KFP remains focused on practical folklife and traditional arts projects as we continue to understand the evolving needs of local constituents throughout Kentucky, those who have a crucial stake in documenting the folk traditions of their regions. With our vantage point at WKU, KFP is always exploring exciting and innovative partnership opportunities with other organizations, universities, and folklife programs throughout the nation. Examples of KFP projects and programming since moving to WKU include the Bosnian oral history project, Folklorists in the Park program, Pioneer Log Cabin concert series and jams, and Southcentral Kentucky Musical Legacy project.

Founded in 1995, the mission of the Kentucky Archaeological Survey (KAS) is to provide services to state and federal agencies, work with private landowners to protect archaeological sites, and educate the public about Kentucky's rich archaeological heritage. KAS works with local governments and non-profit organizations on diverse initiatives, including educational projects that involve grade-school children and civic groups who participate in ongoing archaeological research. KAS undertakes a variety of projects throughout Kentucky. Some are conducted in advance of construction by government agencies, while others are conducted to identify sites on public lands, so that agencies can be better stewards. Examples of projects are the Old Frankfort Cemetery relocation, survey of historic farmsteads in the Bluegrass, Building Blocks of History program at Riverside—The Farnsley-Moreman Landing, and Kentucky Archaeology video and booklet series.

Degree

- Anthropology, Bachelor of Arts (608) (p. 105)

Minors

- Anthropology, Minor (311) (p. 109)
- Folklore, Minor (362) (p. 109)

Faculty

Professor

Darlene A. Applegate PhD (Anthropology), The Ohio State University Main Campus, 1997

Associate Professor

Timothy H. Evans PhD (American Studies, Folklore), Indiana University-Bloomington, 1995

Ann K. Ferrell PhD (English), The Ohio State University Main Campus, 2009

Kate G. Horigan PhD (English, Interdisciplinary Specialization in Folklore), The Ohio State University Main Campus, 2013

Jean-Luc Houle PhD (Anthropology, Archeology), University of Pittsburgh Pittsburgh Camp, 2010

Kathryn A. Hudepohl PhD (Anthropology), Tulane University, 2002

Clinical Assistant Professor

Brent A. Bjorkman MA (Folk Studies), Western Kentucky University, 1998

Professional Staff

Janie-Rice Brother MA (Architectural Historian, Kentucky Archaeological Survey), University of Kentucky, 2009

Justin N. Carlson PhD (Project Director, Kentucky Archaeological Survey), University of Kentucky, 2019

Joel Chapman MA (Folklife Specialist, Kentucky Folklife Program), Western Kentucky University, 2019

A. Gwynn Henderson PhD (Education Director, Kentucky Archaeological Survey), University of Kentucky, 1998

Bruce L. Manzano, MA (Project Archaeologist/Faunal Analyst, Kentucky Archaeological Survey), University of Tennessee, 1986

David Pollack PhD (Director, Kentucky Archaeological Survey), University of Kentucky, 1998

Lori C. Stahlgren, MA (Project Archaeologist, Kentucky Archaeological Survey), Northern Arizona University, 1999

M. Jay Stottman PhD (Assistant Director, Kentucky Archaeological Survey), University of Kentucky, 2016

Anthropology, Bachelor of Arts (608)

Program Coordinator

Darlene A. Applegate, darlene.applegate@wku.edu, (270) 745-5295

Anthropology is the scientific and humanistic study of human culture and biology in the past and present and anywhere in the world. The anthropology major offers students a cohesive program of study to enrich their understanding of interactions between human culture and biology in contemporary societies and in the archaeological and evolutionary past, to develop their cross-cultural perspectives, and to prepare them for a variety of careers. Delivered by full-time faculty members, the anthropology curriculum emphasizes hands-on learning in the classroom, in the laboratory, and in the field; extracurricular opportunities and events; and a broad, four-field approach including cultural anthropology, biological anthropology, linguistic anthropology, and archaeology. The anthropology major encourages students to step outside their biocultural bubbles to explore the rich diversity of human experiences in their own communities and around the globe.

Concentrations

- Applied Anthropology (ANAP)
- Archaeology (ANAR)
- Biological Anthropology (ANBA)
- Cultural Anthropology (ANCA)

Program Requirements (31 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

A major in anthropology (reference number 608) requires a minimum of 31 semester hours and leads to a Bachelor of Arts degree. At least half of the total semester hours in the major must be in upper-division (300, 400) courses. Requirements of the major include core courses, concentration courses, and electives. All students complete the six-course (16-hour) core curriculum consisting of ANTH 120, ANTH 125, ANTH 130, ANTH 135, ANTH 399, and ANTH 499. Students must earn a grade of "C" or better in all core courses. Each student completes at least one of four, three-course (9-hour) concentrations in applied anthropology, archaeology, biological anthropology, or cultural anthropology, each concentration having its own required courses. Students choosing to complete only one concentration must complete 6 hours of electives to be selected from anthropology offerings in consultation with the advisor. Students choosing to complete more than one concentration do not need to complete elective courses, and they may count a maximum of one course in multiple concentrations. Students must complete a second major or a minor or certificate.

Concentrations in the anthropology major give students opportunities to complete cohesive sets of upper-level courses in preparation for careers or graduate programs. Applied anthropology is the use of anthropological knowledge and methods to address contemporary human problems such as poverty and the human dimensions of global environmental change. Archaeology is the study of past human cultures based on material remains such as tools, monuments, and ritual objects. Biological anthropology is the study of the biological traits of past and present humans, as well as non-human primates. Cultural anthropology is the study of the beliefs, practices, and institutions of contemporary human societies.

Code	Title	Hours
Required Core Courses:		
ANTH 120	Introduction to Cultural Anthropology	3
ANTH 125	Introduction to Biological Anthropology	3
ANTH 130	Introduction to Archaeology	3
ANTH 135	Introduction to Linguistic Anthropology	3
ANTH 399	Field Methods in Ethnography	3
ANTH 499	Senior Seminar	1
Total Hours		16

Applied Anthropology

Code	Title	Hours
Concentration Requirements		
ANTH 360	Applied Anthropology – Understanding and Addressing Contemporary Human Problems	3
Select two courses from the following:		6
ANTH 300	Forensic Anthropology	
ANTH 382	Medical Anthropology	
ANTH 434	Graveyard Archaeology	
ANTH 436	Applied Archaeology	

ANTH 442	Ecological and Economic Anthropology	
ANTH 449	Ethnographic Video Production	
Electives		
For student's completing one concentration, select 6 hours from anthropology offerings in consultation with anthropology advisor		6
Total Hours		15

Archaeology Concentration

Code	Title	Hours
Concentration Requirements		
ANTH 316	The Archaeology of Environmental Change	3
or ANTH 318	The Archaeologist Looks at Death	
or ANTH 333	The Archaeology of Ancient China	
or ANTH 335	Old World Prehistory	
or ANTH 336	New World Prehistory	
ANTH 432	Field Course in Archaeology (at least three hours)	3
ANTH 438	Archaeological Lab Methods	3
Electives		
For students completing one concentration, select 6 hours from anthropology offerings in consultation with advisor		6
Total Hours		15

Biological Anthropology Concentration

Code	Title	Hours
Concentration Requirements		
ANTH 300	Forensic Anthropology	3
ANTH 305	Paleoanthropology: Human Origins and Evolution	3
ANTH 452	Bioarchaeology	3
Electives		
For students completing one concentration, select 6 hours from anthropology offerings in consultation with advisor		6
Total Hours		15

Cultural Anthropology Concentration

Code	Title	Hours
Concentration Requirements		
Select one of the following:		3
ANTH 340	Peoples and Cultures of Latin America	
ANTH 342	Peoples and Cultures of the Caribbean	
ANTH 345	Peoples and Cultures of Native North America	
ANTH 350	Peoples and Cultures of Africa	
ANTH 378	Southern Appalachian Folklife	
Select one of the following:		3
ANTH 343	Anthropology of Gender	
ANTH 382	Medical Anthropology	
ANTH 388	Foodways	

ANTH 400	Ethnomusicology	
ANTH 410	African-American Music	
ANTH 442	Ecological and Economic Anthropology	
ANTH 446	Anthropology of Religion	
ANTH 448	Visual Anthropology	
ANTH 449	Ethnographic Video Production	
Select one additional area or topics course		3
Electives		
For students completing one concentration, select 6 hours from anthropology offerings in consultation with anthropology advisor		6
Total Hours		15

For students completing one concentration; students may count a maximum of three credit hours in ANTH 395 Lab Practicum, ANTH 493 Archaeology Stewardship, and ANTH 495 Directed Study in the first 31 hours of the major.

Finish in Four Plans

Applied Anthropology Concentration

First Year			
Fall	Hours	Spring	Hours
ANTH 120, ANTH 125, or ANTH 130		3 ANTH 120, ANTH 130, or ANTH 135	3
Second major or minor course		3 Second major or minor course	3
ENG 100 or COMM 145		3 ENG 100 or COMM 145	3
HIST 101 or HIST 102		3 MATH 109	3
Colonnade - Arts & Humanities		3 Colonnade - Natural & Physical Sciences w/ lab	3-4
		15	15-16
Second Year			
Fall	Hours	Spring	Hours
ANTH 120, ANTH 125, or ANTH 130		3 ANTH 120, ANTH 130, or ANTH 135	3
Second major or minor course		3 Applied Anthropology concentration course or anthropology elective course	3
Colonnade - Natural & Physical Sciences w/ no lab		3 Second major or minor course	3
ENG 200 (or other Colonnade - Literary Studies course)		3 General Elective	3
First-level world language requirement or general elective		3 Second-level world language course or general elective course	3
		15	15
Third Year			
Fall	Hours	Spring	Hours
Applied Anthropology concentration course or anthropology elective course		3 Applied Anthropology concentration course or anthropology elective course	3
Second major or minor course		3 ANTH 399	3
Second major or minor course		3 Second major or minor course	3

Colonnade - Connections course	3 Second major or minor course or general elective	3	
Colonnade - Connections course	3 ENG 300	3	
General Elective	2		
17		15	
Fourth Year			
Fall	Hours	Spring	Hours
Applied Anthropology concentration course or anthropology elective course	3	Applied Anthropology concentration course or anthropology elective course	3
Second major or minor course or general elective	3	Second major or minor course or general elective	3
Second major or minor course or general elective	3	Second major or minor course or general elective	3
Colonnade - Connections Course	3 ANTH 499		1
Upper-level general elective course	3	Upper-level general elective course	3
15		13	

Total Hours 120-121

Archaeology Concentration

First Year			
Fall	Hours	Spring	Hours
ANTH 120, ANTH 125, or ANTH 130		3 ANTH 120, ANTH 130, or ANTH 135	3
Second major or minor course		3 Second major or minor course	3
ENG 100 or COMM 145		3 ENG 100 or COMM 145	3
HIST 101 or HIST 102		3 MATH 109	3
Colonnade - Arts & Humanities		3 Colonnade - Natural & Physical Sciences w/ lab	3-4
	15	15-16	
Second Year			
Fall	Hours	Spring	Hours
ANTH 120, ANTH 125, or ANTH 130		3 ANTH 120, ANTH 130, or ANTH 135	3
Second major or minor course		3 Archaeology concentration course or anthropology elective course	3
Colonnade - Natural & Physical Sciences w/o Lab		3-4 Second major or minor course	3
ENG 200 (or other Colonnade - Literary Studies course)		3 General Elective	3

First-level world language requirement or general elective		3 Second-level world language course or general elective course		3	
15-16		15			
Third Year					
Fall	Hours	Spring	Hours	Summer	Hours
Archaeology concentration course or anthropology elective course		3 ANTH 399		3 ANTH 432	3
Second major or minor course		3 Second major or minor course		3	
Second major or minor course		3 Second major or minor course or general elective		3	
Colonnade - Connections course		3 ENG 300		3	
General Elective (not needed if two 4-hour courses completed in prior years)		0-2 Colonnade - Connections course		3	
12-14		15			
Fourth Year					
Fall	Hours	Spring	Hours		
Archaeology concentration course or anthropology elective course		3 Archaeology concentration course or anthropology elective course		3	
Second major or minor course or general elective		3 Second major or minor course or general elective		3	
Second major or minor course or general elective		3 Second major or minor course or general elective		3	
Colonnade - Connections Course		3 Upper-level general elective course		3	
Upper-level general elective course		3 ANTH 499		1	
15		13			

Total Hours 118-122

Biological Anthropology Concentration

First Year					
Fall	Hours	Spring	Hours		
ANTH 120, ANTH 125, or ANTH 130		3	ANTH 120, ANTH 130, or ANTH 135		3
Second major or minor course		3	Second major or minor course		3
ENG 100 or COMM 145		3	ENG 100 or COMM 145		3
HIST 101 or HIST 102		3	MATH 109		3

Colonnade - Arts & Humanities		3 Colonnade - Natural & Physical Sciences w/o lab		3
		15	15	
Second Year				
Fall	Hours	Spring	Hours	
ANTH 120, ANTH 125, or ANTH 130		3 ANTH 120, ANTH 130, or ANTH 135		3
Second major or minor course		3 Biological concentration course or anthropology elective course		3
Colonnade - Natural & Physical Sciences w/lab		3-4 Second major or minor course		3
ENG 200 (or other Colonnade - Literary Studies course)		3 General Elective		3
First-level world language requirement or general elective		3 Second-level world language course or general elective course		3
		15-16	15	
Third Year				
Fall	Hours	Spring	Hours	
Biological concentration course or anthropology elective course		3 Biological anthropology concentration course or anthropology elective course		3
Second major or minor course		3 ANTH 399		3
Second major or minor course		3 Second major or minor course		3
Colonnade - Connections		3 Second major or minor course or general elective		3
Colonnade - Connections		3 ENG 300		3
General Elective (not needed if two 4-hour courses completed in prior years)		0-2		
		15-17	15	
Fourth Year				
Fall	Hours	Spring	Hours	
Biological concentration course or anthropology elective course		3 Biological concentration course or anthropology elective course		3
Second major or minor course or general elective		3 Second major or minor course or general elective		3
Second major or minor course or general elective		3 Second major or minor course or general elective		3
Upper-level general elective course		3 ANTH 499		1
Colonnade - Connections		3 Upper-level general elective course		3
		15	13	

Total Hours 118-121

Cultural Anthropology Concentration

First Year			
Fall	Hours	Spring	Hours
ANTH 120, ANTH 125, or ANTH 130		3	ANTH 120, ANTH 130, or ANTH 135

Second major or minor course	3	Second major or minor course	3
ENG 100 or COMM 145	3	ENG 100 or COMM 145	3
HIST 101 or HIST 102	3	MATH 109	3
Colonnade - Arts & Humanities	3	Colonnade - Natural & Physical Sciences w/ o lab	3
15		15	

Second Year

Fall	Hours	Spring	Hours
Second major or minor course		3 ANTH 120, ANTH 130, or ANTH 135	3
ANTH 120, ANTH 125, or ANTH 130		3 Cultural anthropology concentration course or anthropology elective course	3
Colonnade - Natural & Physical Sciences w/ lab		3-4 Second major or minor course	3
ENG 200 (or other Colonnade - Literary Studies course)		3 General Elective	3
First-level world language requirement or general elective		3 Second-level world language course or general elective course	3
15-16		15	

Third Year

Fall	Hours	Spring	Hours
Cultural anthropology concentration course or anthropology elective course		3 Cultural anthropology concentration course or anthropology elective course	3
Second major or minor course		3 ANTH 399	3
Second major or minor course		3 Second major or minor course	3
Colonnade - Connections		3 Second major or minor course or general elective	3
Colonnade - Connections		3 ENG 300	3
General Elective (not needed if two 4-hour courses completed in prior years)		0-2	
15-17		15	

Fourth Year

Fall	Hours	Spring	Hours
Cultural anthropology concentration course or anthropology elective course		3 Cultural anthropology concentration course or anthropology elective course	3
Second major or minor course or general elective		3 Second major or minor course or general elective	3
Second major or minor course or general elective		3 Second major or minor course or general elective	3
Colonnade - Connections		3 ANTH 499	1
Upper-level general elective course		3 Upper-level general elective course	3
15		13	

Total Hours 118-121

Anthropology, Minor (311)

Program Coordinator

Darlene A. Applegate, darlene.applegate@wku.edu, (270) 745-5295

Program Requirements (21 hours)

Code	Title	Hours
Select three of the following:		
ANTH 120	Introduction to Cultural Anthropology	
ANTH 125	Introduction to Biological Anthropology	
ANTH 130	Introduction to Archaeology	
ANTH 135	Introduction to Linguistic Anthropology	
ANTH 399	Field Methods in Ethnography	3
Select 9 hours of electives from anthropology offerings in consultation with advisor		9
Total Hours		21

- At least 12 hours must be in upper-division (300, 400) courses.
- Students must earn a grade of "C" or better in all core (non-elective) courses of the anthropology minor.

Folklore, Minor (362)

Program Coordinator

Kate G. Horigan, kate.horigan@wku.edu, (270) 745-6549

Program Requirements (21 hours)

The minor in folklore requires a minimum of 21 semester hours.

Code	Title	Hours
FLK 276	Introduction to Folklore	3
FLK 399	Field Methods in Ethnography	3
Restricted Electives		15
Total Hours		21

- Restricted electives selected in consultation with the program advisor.
- Restricted electives must include at least one 400-level course (excluding FLK 479 and FLK 489).
- Students must earn a grade of "C" or better in all courses applied to the folklore minor.

Department of History

Dr. Audra Jennings, Chair

Email: A (audra.jennings@wku.edu)udra.Jennings@wku.edu (audra.jennings@wku.edu)

Cherry Hall, Office 200**Phone:** (270) 745-3841**Website:** <http://www.wku.edu/history> (<http://www.wku.edu/history/>)

The History Department is home to the following programs: History, Social Studies, Legal Studies, Religious Studies, Asian Religions and Cultures, African American Studies, and Latin American Studies. The History Department offers a major in History, with or without one of six possible concentrations: Cultural History; History of Identity; Peace, Conflict, and Human Rights; Legal and Constitutional History; African

History; and History of Science, Environment, and Medicine. We also offer a Religious Studies major and interdisciplinary majors in Legal Studies, Social Studies, and Asian Religions and Cultures. Students who pursue a double-major in History and Social Studies and who complete the professional education requirements may be certified in the teacher education program. The History Department also offers minors in History and Religious Studies and interdisciplinary minors in African American Studies, Latin American Studies, Legal Studies, and Asian Studies.

Our majors and minors are designed to allow students to explore and focus on their interests while developing the skills that will ensure success in business, law, government, education, and non-profits. Our programs emphasize hands-on, engaged learning. Many courses incorporate examination of historical, religious, and legal documents; historical and religious site visits; and immersive, role-playing exercises set during critical historical turning points.

Students will find a strong sense of community in the History Department. The department is home to History and Religious Studies clubs and to chapters of the Association for the Study of African American Life and History and Phi Alpha Theta. The department also hosts an annual undergraduate research conference and sponsors robust department, campus, and community programming.

The Department of History offers a variety of courses to students in any major as well as courses meeting Colonnade requirements for all students. When planning a program of study in the History Department, each student should be aware of the university's academic requirements and regulations contained in this catalog in the chapter "Academic Information." Specific attention should be given to the chapter subsections entitled (a) Academic Requirements and Regulations, (b) Academic Programs, and (c) Colonnade Requirements. Students should be aware that some academic programs may require additional scholastic regulations and standards not specified in the catalog. To obtain a copy of these regulations, students should contact the Department Chair.

Departmental Honors Program

The Department of History offers opportunities for students to participate in both university and national honors programs. The department works with the Mahurin Honors College to provide opportunities for challenging and intensive investigation of historical topics through coursework, internships, research, independent study, and discussions in small-group settings. Beyond its work with the Mahurin Honors College, the History Department offers its students an active chapter of Phi Alpha Theta, a national history honors society. For more information, students should contact the Program Coordinator for their major.

Degrees

- Asian Religions and Cultures, Bachelor of Arts (615) (p. 112)
- History, Bachelor of Arts (695) (p. 114)
- Legal Studies, Bachelor of Arts (6001) (p. 145)
- Religious Studies, Bachelor of Arts (769) (p. 118)
- Social Studies, Bachelor of Arts (592) (p. 120)

Minors

- African American Studies, Minor (305) (p. 111)
- History, Minor (392) (p. 117)
- Religious Studies, Minor (447) (p. 119)

Pre-Law

Pre-Law Advisor and Coordinator: Dr. Patricia Minter (History)

Email: patricia.minter@wku.edu

Cherry Hall, Office 206; Phone: (270) 745-5098

Website: <http://www.wku.edu/history/careers/pre-law.php>

Pre-law preparation is not a curriculum as in the case of pre-medicine or other programs that follow a specific pattern of undergraduate courses. Both the American Bar Association and the American Association of Law Schools recommend a broad liberal arts program of courses for potential law students. Pre-law students will best prepare for law school by pursuing a rigorous course of study during their undergraduate years. No specific major is required for admission to law school, but students should select major and minor fields which they find both interesting and promising for superior academic performance.

Admission to law school is on a competitive basis, and the number of openings at each school is limited. The main criteria for admission to most recognized schools are a high grade point average (GPA) in undergraduate work and a high score on the Law School Admission Test (LSAT). A Bachelor of Arts or Bachelor of Science degree from an accredited four-year college or university is required for admission to law schools accredited by the American Bar Association.

Law school admission directors and independent studies of the factors which contribute to success in the study of law conclude that undergraduates should develop a core group of skills during their programs of study. It is important that students select courses that develop strong vocabulary and reading comprehension skills, effective writing ability, analytical/logical reasoning, and an understanding of societal institutions and values.

Students should pursue a challenging course of study that emphasizes reading, writing, and analytical ability. Courses which can develop the requisite skills and abilities for legal study include: ENG 100, ENG 200, ENG 300, ENG 301, and English electives; PS 110, PS 220, PS 326, PS 327, and PS 328; HIST 101, HIST 102, HIST 445, HIST 446, and history electives; PHIL 215, PHIL 350, PHIL 415 and philosophy electives. Based on individual interests, students may also pursue elective courses in accounting, economics, sociology / criminology, foreign language, and speech communication. The following courses, while not mandatory for pre-legal study, offer undergraduate students a useful introduction to various aspects of public law and legal history: PS 326, PS 327, and PS 328; HIST 445 and HIST 446; BCOM 301 or JOUR 301; MGT 200; ECON 390. Please note: Recommended courses are based on WKU's assessment of specific professional school requirements. Students should, in consultation with their advisor, review the requirements at the professional school of their choice.

Each student who intends to study law after graduation should make initial contact with the Pre-Law Advising program. Afterwards, students are encouraged to meet with a pre-law advisor in addition to his/her major advisor during their tenure at WKU. Pre-law advisors will provide assistance in obtaining information about law schools, the Law School Admission Test and other pertinent information. Aspiring pre-law students should plan to take the LSAT in June following their junior year. During the senior year, the pre-law advisor will also be available to assist students in the preparation and submission of applications to law schools of their choice. Applications are usually accompanied by letters of recommendation from faculty members who can comment on the student's ability and promise for the study of law. Aspiring candidates should conduct their undergraduate studies that they

can, with confidence, ask at least three faculty members to serve as references.

Pre-Theology

Advisor: Dr. James Barker

Email: James.Barker@wku.edu (%20James.Barker@wku.edu)

Cherry Hall, Office 300

Phone: (270) 745-3136

Theological seminaries, accredited by the American Association of Theological Schools, require for entrance the Bachelor of Arts or Bachelor of Science degree from an accredited four-year college or university. Pre-theological students should seek to attain a broad background in liberal arts subjects in their university studies. In selecting majors, serious consideration should be given to the fields of English, history, philosophy, and religious studies. Minors and free electives should be chosen from the areas of English, history, mass communication, philosophy, psychology, religious studies, sociology, and communication.

Entry requirements for specific theological seminaries and for different programs within these institutions vary. Students should consult seminary catalogs and the pre-theology advisor. Special attention should be paid to the language requirement made by some seminaries.

The courses recommended below to be taken in fulfilling Western Kentucky University's general education guidelines are not mandatory but include every basic recommendation of the American Association of Theological Schools:

Code	Title	Hours
ENG 100	Introduction to College Writing	3
ENG 300	Writing in the Disciplines	3
HIST 101	World History I	3
HIST 102	World History II	3
Natural Science (Chemistry, Physics, Biology, or Geology)		
PHIL 101	Enduring Questions: Truth and Relativism	3
PHIL 102	Enduring Questions: The Good and the Beautiful	3
PHIL 103	Enduring Questions: The Committed Life	3
PSY 100 or PSYS 100	Introduction to Psychology	3
RELS 100	The New Testament	3
RELS 101	The Old Testament/ Hebrew Scriptures	3
RELS 102	World Religions	3
RELS 152	Biblical Languages I: Introductory Hebrew	3
RELS 153	Biblical Languages II: Intermediate Hebrew	3
RELS 154	Biblical Languages III: Introductory Greek	3
RELS 155	Biblical Languages IV: Intermediate Greek	3
COMM 145	Fundamentals of Public Speaking and Communication	3

Social Sciences (six hours from Sociology, Economics, Political Science, Anthropology)

Math (three hour elective)

Please note: Recommended courses are based on WKU's assessment of specific professional school requirements. Students should, in consultation with their advisor, review the requirements at the professional school of their choice.

Faculty

Professor

Paul A. Fischer PhD (East Asian Languages and Civilizations), University of Chicago, 2007
 Anthony A. Harkins PhD (History), University of Wisconsin-Madison, 1999
 Patricia H. Minter PhD (History), University of Virginia, 1994
 Isabel Mukonyora PhD, University of Oxford, 1999
 Eric S. Reed PhD (History), Syracuse University Main Campus, 2001
 Juan L. Romero PhD (History), University of Texas at Austin, 2008

Associate Professor

Sophia R. Arjana PhD (Religious/Theological Studies), University of Denver, 2011
 James W. Barker PhD (Religion), Vanderbilt University, 2011
 Charles T. Borders MA (History), Western Kentucky University, 1989
 Dorothea Browder PhD (History, Distributed), University of Wisconsin-Madison, 2008
 Robert L. Dietle PhD (History), Yale University, 1991
 Selena S. Doss PhD (History), Vanderbilt University, 2010
 Marko Dumancic PhD (History), University of North Carolina Chapel Hill, 2010
 Marc V. Eagle PhD (History), Tulane University, 2005
 Audra R. Jennings PhD (History), The Ohio State University Main Campus, 2008
 Eric Kondratieff PhD (Ancient History), University of Pennsylvania, 2003
 Jeffrey D. Miner PhD (History), Stanford University, 2011
 Alexander I. Olson PhD (American Studies), University of Michigan-Ann Arbor, 2013
 Andrew J. Rosa PhD (Afro-American Studies), University of Massachusetts, 2005
 Tamara Van Dyken PhD (History), University of Notre Dame, 2009

Assistant Professor

Katherine E. Brown PhD (History), University of Virginia, 2015

Visiting Assistant Professor

Alexander W. Marcus PhD (Religious Studies), Stanford University, 2020

Pedagogical Professor

Jennifer A. Hanley PhD (History), University of Kentucky, 2009

Instructor I

Kathryn M. McClurkin PhD (Public History), Middle Tennessee State University, 2019
 Kathryn E. Reetzke MA (History), Western Kentucky University, 2011
 David A. Serafini MA (History), Western Kentucky University, 1997

African American Studies, Minor (305)

Program Coordinator

Andrew J. Rosa, andrew.rosa@wku.edu, (270) 745-3841

The minor in African American Studies compresses the unique and diverse experiences of African Americans into a manageable and

definable programs of study that acknowledges the interconnectedness of these experiences with the peoples of Africa and the African Diaspora. Viewed from multidisciplinary and cross-disciplinary perspectives, courses in the African American studies minor provide the opportunity for students to study, analyze and develop a comprehensive understanding of the African American experience in ways that both link and differentiate past and present circumstances in the African Diaspora. A diaspora approach to the study of the African American experience is concerned with the following two issues: 1) the way in which African cultural, social, religious, and political forms influence African descended persons and communities, and how such forms changed through interaction with non-African cultures; and 2) comparisons and correspondence among communities of African descended people who are geographically separated and/or culturally distinct.

A person who completes the African American Studies minor will have enlarged perspectives and increased awareness of the diversity of experience within African American cultures; these are skills well suited for advanced study at the undergraduate and graduate levels, and for jobs in governmental departments and agencies and with private organizations. In fulfilling the minimum requirements for a minor, the student normally should not include more than six hours of electives with any one course prefix.

Honors Program

The African American Studies Program participates in the Dixie and Peter Mahurin Honors College. Honors courses allow students of exceptional academic abilities to investigate the African American experience in a more in-depth manner and to discuss contemporary issues in small group settings. Honors courses encourage the development of critical thinking skills and analytical writing. Students also have an opportunity to assist faculty with research, present papers at regional and national conferences, and/or engage in self-designed research projects. African American Studies minors in the Dixie and Peter Mahurin Honors College can complete their honors thesis on a topic in consultation with an advisor. For further information on honors courses and opportunities, contact Andrew J. Rosa, (270) 745-3841.

Program Requirements (21 hours)

Code	Title	Hours
AFAM 190	African American Experience	3
AFAM 343	Communities of Struggle	3
AFAM 353	Radical Blackness	3
Restricted Electives from the following categories: ¹		
History:		3
HIST 330	History of Africa Before 1500	
HIST 359	Blacks in American History Since 1877	
HIST 390	Blacks in the American South	
Cultural Studies:		3
ENG 393	African American Literature	
COMM 463	Advanced Intercultural Communication	
FLK 330	Cultural Connections and Diversity	
RELS 309	Global Christianity	
Electives: ²		6
AFAM 490	African American Seminar	
CSJ 200	Introduction to Social Justice	

CRIM 361	Race, Class, and Crime
ENG 388	Postcolonial Studies
PH 412	Health Disparities and Health Equity
PS 373	Minority Politics
RELS 306	Islam
RELS 331	Islam in America: Hope & Hip Hop
SOCL 260	Race and Ethnic Relations
SOCL 362	Social Institutions: Race, Class, and Gender
ANTH 342	Peoples and Cultures of the Caribbean
ANTH 410	African-American Music
FLK 342	Peoples and Cultures of the Caribbean
FLK 377	African-American Folklore
FLK 410	African-American Music
Total Hours	21

¹ No more than 6 hours of electives with any one course prefix.

² Additional courses may be approved by the advisor.

Asian Religions and Cultures, Bachelor of Arts (615)

Program Coordinator

Sophia R. Arjana, sophia.arjana@wku.edu, (270) 745-3841

Asian Religions and Cultures

The Asian Religions and Cultures major at WKU is interdisciplinary, drawing on a wide range of fields including Religious Studies, History, Geography, Modern Languages, Political Science, Anthropology, Art, and others. The major facilitates the understanding of the continent and its peoples, including their languages, religions, and cultures. It provides students with an understanding of the Asian past and the knowledge to put current issues and problems into broader historical, religious, and cultural contexts. The flexible program pairs well with many majors to advance students' academic and professional goals. This program of study helps students to think critically and to write well. Students will develop global cultural competency and a range of skills that will prepare them for success in government, international business, and non-profits/NGOs.

Program Requirements (31 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
Religion (9 Hours)		
Select three of the following courses:		9
RELS 102	World Religions	

RELS 302	Buddhism
RELS 303	Hinduism
RELS 306	Islam
RELS 317	Confucianism
RELS 318	Daoism
RELS 319	Religions of Asia
RELS 322	Pilgrimage, Islam and Modernity
RELS 335	Islam, Sexuality, and Gender

Language (6 Hours)

Select one of the following one-year sequences: 6

ARBC 101 & ARBC 102	Elementary Arabic I and Elementary Arabic II
ARBC 201 & ARBC 202	Intermediate Arabic I and Intermediate Arabic II
ARBC 301 & ARBC 302	Advanced Arabic I and Advanced Arabic II
CHIN 101 & CHIN 102	Elementary Chinese I and Elementary Chinese II
CHIN 201 & CHIN 202	Intermediate Chinese I and Intermediate Chinese II
CHIN 301 & CHIN 302	Advanced Intermediate Chinese I and Advanced Intermediate Chinese II
CHNF 101 & CHNF 102	Intensive Elementary Chinese I and Intensive Elementary Chinese II
CHNF 201 & CHNF 202	Intensive Intermediate Chinese I and Intensive Intermediate Chinese II
CHNF 301 & CHNF 302	Intensive Advanced Chinese I and Intensive Advanced Chinese II
JAPN 101 & JAPN 102	Elementary Japanese I and Elementary Japanese II

History and Politics (6 Hours)

Select two of the following courses: 6

HIST 110	Introduction to Asian Civilization
HIST 370	Modern South Asia: from Empires to Nations
HIST 378	History of Yoga: Tradition, Literature, Practice
HIST 379	Gandhi: The Creation of a Global Legacy
HIST 460	Traditional East Asia
HIST 461	Modern East Asia
HIST 462	History of the Middle East
HIST 466	The Arab-Israeli Conflict: Local and Global Influences
HIST 471	Modern China
HIST 472	Modern Japan
PS 352	International Relations of the Middle East
PS 359	Politics of North Korea
PS 364	Chinese Politics
PS 365	Government and Politics of the Middle East

PS 366	Government and Politics in East Asia
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Electives (9 Hours)

Select three of the following courses not already counted toward the major from at least two different areas of study: 9

ANTH 333	The Archaeology of Ancient China
ARBC 101	Elementary Arabic I
ARBC 102	Elementary Arabic II
ARBC 201	Intermediate Arabic I
ARBC 202	Intermediate Arabic II
ARBC 301	Advanced Arabic I
ARBC 302	Advanced Arabic II
ARC 401	Topics in Asian Religions and Cultures
ARC 498	Study in Asian Religions and Cultures
ART 407	Islamic Art and Architecture
CHIN 101	Elementary Chinese I
CHIN 102	Elementary Chinese II
CHIN 201	Intermediate Chinese I
CHIN 202	Intermediate Chinese II
CHIN 301	Advanced Intermediate Chinese I
CHIN 302	Advanced Intermediate Chinese II
CHIN 401	Advanced Chinese I
CHIN 402	Advanced Chinese II
CHNF 201	Intensive Intermediate Chinese I
CHNF 202	Intensive Intermediate Chinese II
CHNF 301	Intensive Advanced Chinese I
CHNF 302	Intensive Advanced Chinese II
CHNF 420	Media Chinese
CHNF 430	Chinese Culture
CHNF 440	Chinese Tradition
CHNF 450	Classical Chinese
GEOG 465	Geography of East Asia
HIST 110	Introduction to Asian Civilization
HIST 370	Modern South Asia: from Empires to Nations
HIST 378	History of Yoga: Tradition, Literature, Practice
HIST 379	Gandhi: The Creation of a Global Legacy
HIST 460	Traditional East Asia
HIST 461	Modern East Asia
HIST 462	History of the Middle East
HIST 466	The Arab-Israeli Conflict: Local and Global Influences
HIST 471	Modern China
HIST 472	Modern Japan
JAPN 101	Elementary Japanese I
JAPN 102	Elementary Japanese II
JAPN 201	Intermediate Japanese I
JAPN 202	Intermediate Japanese II
PS 352	International Relations of the Middle East

PS 359	Politics of North Korea	
PS 364	Chinese Politics	
PS 365	Government and Politics of the Middle East	
PS 366	Government and Politics in East Asia	
RELS 100	The New Testament	
RELS 101	The Old Testament/ Hebrew Scriptures	
RELS 102	World Religions	
RELS 302	Buddhism	
RELS 303	Hinduism	
RELS 306	Islam	
RELS 317	Confucianism	
RELS 318	Daoism	
RELS 319	Religions of Asia	
RELS 322	Pilgrimage, Islam and Modernity	
RELS 335	Islam, Sexuality, and Gender	
Senior Project (1 Hour)		
ARC 499	Senior Seminar	1
Total Hours		31

Note: students must take courses from at least four different programs. At least 17 hours must be at the 300-level or above. A second major or minor is required.

Finish in Four Plan - Asian Religions and Cultures (615)

First Year			
Fall	Hours	Spring	Hours
COMM 145 or ENG 100		3 COMM 145 or ENG 100	3
HIST 101 or HIST 102		3 MATH 109 (or higher)	3
Colonnade: Natural & Physical Science		3 Asian History or Politics Course	3
Asian Language Course (101)		3 Asian Language Course (102)	3
Colonnade: Social & Behavioral Sciences		3 Colonnade: Natural & Physical Science w/lab	3
		15	15
Second Year			
Fall	Hours	Spring	Hours
ARC Elective (or additional language work)		3 ARC Elective (or additional language work)	3
ENG 200		3 Asian Religion Course	3
RELS 102		3 Colonnade: Connections (Social & Cultural)	3
Asian Religion Course		3 2nd Major/Minor Course	3
Asian History OR Politics Course		3 2nd Major/Minor Course	3
		15	15
Third Year			
Fall	Hours	Spring	Hours
Asian Religion Course		3 ARC Elective	3
2nd Major/Minor Course		3 2nd Major/Minor Course	3
2nd Major/Minor Course		3 Colonnade: Connections (Local to Global)	3
ENG 300		3 ARC 499	1

General Elective		3 General Elective		3
		General Elective		2
		15		15
Fourth Year				
Fall	Hours	Spring	Hours	
Colonnade:		3 2nd Major/Minor		3
Connections (Systems)		Course		
2nd Major/Minor		3 General Elective		3
Course				
2nd Major/Minor		3 General Elective		3
Course				
General Elective		3 General Elective		3
General Elective		3 General Elective		3
		15		15

Total Hours 120

History, Bachelor of Arts (695)

Program Coordinator

Andrew J. Rosa, andrew.rosa@wku.edu, (270) 745-3841

The History major, a 33-credit-hour program, equips students with the skills to collect, analyze, and summarize data and the ability to apply those skills to construct arguments and use evidence to support them. Students develop strong skills in research, analysis, creative problem solving, and written and oral communication. These skills, along with the strong critical thinking skills that students of history hone, prepare students for a range of careers. Many History majors pursue careers in education (at all levels), library sciences, management, law, administration, and sales. History graduates are well suited for work in local, state, and federal government; banking; journalism; and politics. Many businesses seek job candidates with a strong background in the liberal arts because of their critical thinking, analytic, and writing abilities. History is interdisciplinary by design. Students must complete a second major or a minor, and the program accepts up to 6 credit hours from related disciplines.

Concentrations

- History Major (No Concentration)
- Cultural History (HICH)
- History of Identity (HIID)
- Peace, Conflict, and Human Rights (HIPC)
- Legal and Constitutional History (HILC)
- Africana History (HIAH)
- History of Science, Environment, and Medicine (HISC)

Program Requirements (33 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The History major requires 33 semester hours and leads to a Bachelor of Arts degree. Twenty-four credit-hours must be at the 300- or 400-level. A minor or second major is required. For students who choose not to declare a concentration, 15 hours will be in foundational study, historical

research, and required electives; an additional 18 hours will be flexible electives. For students declaring a concentration, 21 hours will be in foundational study, historical research, and required and flexible electives; an additional 12 hours will be in the concentration. Students may declare more than one concentration. Concentrations will be included on student transcripts.

Core Courses

Code	Title	Hours
24 credit-hours must be at the 300- or 400-level.		
Foundational Study		
WORLD HISTORY		3
HIST 101	World History I	
or HIST 102	World History II	
UNITED STATES HISTORY		3
HIST 240	The United States to 1865	
or HIST 241	The United States Since 1865	
Historical Research		
SENIOR SEMINAR		3
HIST 498	Senior Seminar	
Geographic and Chronological Electives		
THE GLOBAL SOUTH		3
Choose at least one course from the following:		
HIST 200	Latin American Society: Past and Present	
HIST 331	History of Africa Since 1500	
HIST 364	Colonial Latin America, 1400-1825	
HIST 365	Modern Latin America, 1800-Present	
HIST 465	The Mexican Republic	
HIST 370	Modern South Asia: from Empires to Nations	
HIST 378	History of Yoga: Tradition, Literature, Practice	
HIST 379	Gandhi: The Creation of a Global Legacy	
HIST 461	Modern East Asia	
HIST 462	History of the Middle East	
HIST 466	The Arab-Israeli Conflict: Local and Global Influences	
HIST 471	Modern China	
ANCIENT TO EARLY MODERN HISTORY		3
Choose at least one course from the following:		
HIST 304	Ancient Identities	
HIST 305	Ancient Greece	
HIST 306	Ancient Rome	
HIST 307	The Middle Ages	
HIST 308	Conflict, Culture and Commerce in the Medieval Mediterranean	
HIST 317	Renaissance Europe	
HIST 318	Age of the Reformation	
HIST 323	The British Isles to 1688	
HIST 330	History of Africa Before 1500	
HIST 404	History of Ancient Egypt	

HIST 407	The Crusades: West Meets East
HIST 419	Tudor-Stuart England
HIST 440	Colonial North America to 1763
HIST 460	Traditional East Asia
HIST 463	The Atlantic World
Electives	
ELECTIVE COURSES	
Students may select any 200, 300, or 400-level history course not already counted toward the major. A maximum of three hours across all elective categories may be at the 200-level.	
Total Hours	
21	

Note: Students may select up to six hours of elective courses from outside of the major in consultation with a department undergraduate advisor and with approval of the department's lead advisor, program coordinator, or department chair. Additionally, other History courses may be approved for elective categories with approval of department's lead advisor, program coordinator, or department chair.

History Major (without an Optional Concentration)

Code	Title	Hours
The History major allows students to explore and focus on their individual interests while developing skills that will ensure success in business, law, government, and education. Students who choose not to declare a concentration should complete four additional history courses.		
HISTORY ELECTIVES		12
Students may select any 200, 300, or 400-level history course not already counted toward the major. A maximum of three hours across all elective categories may be at the 200-level.		
Total Hours		12

Concentrations

Students may complete more than one concentration. However, a single elective cannot count toward completion of more than one concentration. Students who choose to declare a concentration within the major may choose from the following:

Cultural History Concentration

Code	Title	Hours
ELECTIVES IN CULTURAL HISTORY		12
Students may select any course from the list below not already counted toward the major.		
HIST 308	Conflict, Culture and Commerce in the Medieval Mediterranean	
HIST 316	The American Civil War in Film	
HIST 320	American Studies I	
HIST 340	History of Popular Culture Since 1500	
HIST 347	Social History of the United States Since 1800	
HIST 378	History of Yoga: Tradition, Literature, Practice	

HIST 379	Gandhi: The Creation of a Global Legacy
HIST 391	History of Sport
HIST 391	History of Sport
HIST 395	A Cultural History of Alcohol
HIST 402	Pirates in World History
HIST 407	The Crusades: West Meets East
HIST 420	History of Sexuality
HIST 432	Coffee & Chocolate: Food in World History
HIST 447	History of American Popular Culture
HIST 454	History of Religion in America

History of Identity Concentration

Code	Title	Hours
ELECTIVES IN HISTORY OF IDENTITY		12
Students may select any course from the list below not already counted toward the major.		
HIST 302	Disability in the United States	
HIST 304	Ancient Identities	
HIST 309	History of HIV/AIDS	
HIST 310	Comparative Slavery	
HIST 320	American Studies I	
HIST 325	Blacks in the Civil War and Reconstruction	
HIST 329	Black Intellectual History	
HIST 330	History of Africa Before 1500	
HIST 331	History of Africa Since 1500	
HIST 332	Riots, Rebellions, and Revolutions: A Global History of Protest	
HIST 333	History of Genocide	
HIST 343	Communities of Struggle	
HIST 353	Native American History to 1865	
HIST 354	Native American History Since 1865	
HIST 358	Blacks in American History to 1877	
HIST 359	Blacks in American History Since 1877	
HIST 390	Blacks in the American South	
HIST 420	History of Sexuality	
HIST 430	History of the Civil Rights Movement in America	
HIST 453	American Women's History	
HIST 454	History of Religion in America	

Peace, Conflict, and Human Rights Concentration

Code	Title	Hours
ELECTIVES IN HISTORY OF PEACE, CONFLICT, AND HUMAN RIGHTS		12
Students may select any course from the list below not already counted toward the major. A maximum of three hours across all elective categories may be at the 200-level.		
HIST 299	Introduction to Military History	
HIST 308	Conflict, Culture and Commerce in the Medieval Mediterranean	

HIST 310	Comparative Slavery
HIST 325	Blacks in the Civil War and Reconstruction
HIST 332	Riots, Rebellions, and Revolutions: A Global History of Protest
HIST 333	History of Genocide
HIST 335	Twentieth Century Europe
HIST 343	Communities of Struggle
HIST 348	United States, 1900-1945
HIST 349	The United States Since 1945
HIST 352	Borderlands and the American West
HIST 379	Gandhi: The Creation of a Global Legacy
HIST 380	Human Rights in History
HIST 407	The Crusades: West Meets East
HIST 422	The French Revolution and Napoleon
HIST 426	Hitler and Nazi Germany
HIST 430	History of the Civil Rights Movement in America
HIST 438	Twentieth Century Russia
HIST 441	The American Revolution and Early Republic, 1763-1815
HIST 443	Civil War and Reconstruction, 1850-1877
HIST 449	Korea and Vietnam
HIST 464	Latin America and the United States
HIST 466	The Arab-Israeli Conflict: Local and Global Influences
HIST 481	The Rise and Fall of the Confederacy
HIST 423	A Global History of the First World War
HIST 494	U S Military History

Legal and Constitutional History Concentration

Code	Title	Hours
ELECTIVES IN LEGAL AND CONSTITUTIONAL HISTORY		12
Students may select any course from the list below not already counted toward the major.		
HIST 323	The British Isles to 1688	
HIST 332	Riots, Rebellions, and Revolutions: A Global History of Protest	
HIST 333	History of Genocide	
HIST 343	Communities of Struggle	
HIST 380	Human Rights in History	
HIST 419	Tudor-Stuart England	
HIST 430	History of the Civil Rights Movement in America	
HIST 441	The American Revolution and Early Republic, 1763-1815	
HIST 445	American Legal History to 1865	
HIST 446	American Legal History Since 1865	

Africana History Concentration

Code	Title	Hours
ELECTIVES IN AFRICANA HISTORY		12
Students may select any course from the list below not already counted toward the major.		
HIST 304	Ancient Identities	
HIST 310	Comparative Slavery	
HIST 325	Blacks in the Civil War and Reconstruction	
HIST 329	Black Intellectual History	
HIST 330	History of Africa Before 1500	
HIST 331	History of Africa Since 1500	
HIST 332	Riots, Rebellions, and Revolutions: A Global History of Protest	
HIST 343	Communities of Struggle	
HIST 358	Blacks in American History to 1877	
HIST 359	Blacks in American History Since 1877	
HIST 390	Blacks in the American South	
HIST 404	History of Ancient Egypt	

History of Science, Environment, and Medicine Concentration

Code	Title	Hours
ELECTIVES IN HISTORY OF SCIENCE, TECHNOLOGY, ENVIRONMENT, AND MEDICINE		12
Students may select any course from the list below not already counted toward the major.		
HIST 302	Disability in the United States	
HIST 303	Monsters, Maggots, and Morphine: Disease and Medicine in the United States	
HIST 309	History of HIV/AIDS	
HIST 332	Riots, Rebellions, and Revolutions: A Global History of Protest	
HIST 362	Genetics and Family History	
HIST 378	History of Yoga: Tradition, Literature, Practice	
HIST 420	History of Sexuality	
HIST 421	Environmental History	
HIST 480	A Social History of Science	

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
HIST 240 or HIST 241		3 HIST 101 or HIST 102	3
ENG 100		3 World Language Requirement or General Elective	3
Colonnade - Social & Behavioral Studies		3 Colonnade - Natural & Physical Sciences w/ lab	3
COMM 145		3 ENG 200	3
MATH 109 or MATH 116		3 Colonnade - Arts & Humanities	3
15		15	

Second Year

Fall	Hours	Spring	Hours
Geographic or Chronological Elective		3 Geographic or Chronological Elective	3
History or Concentration Elective		3 History or Concentration Elective	3
Second Major, Minor, or General Elective		3 Second Major, Minor, or General Elective	3
World Language Requirement or General Elective		3 Colonnade - Systems	3
Colonnade Natural & Physical Sciences		3 Colonnade - Local to Global	3
15		15	

Third Year

Fall	Hours	Spring	Hours
History or Concentration Elective		3 History or Concentration Elective	3
History or Concentration Elective		3 ENG 300	3
Colonnade - Social & Cultural		3 Second Major, Minor, or General Elective	3
Second Major, Minor, or General Elective		3 Second Major, Minor, or General Elective	3
Second Major, Minor, or General Elective		3 Second Major, Minor, or General Elective	3
15		15	

Fourth Year

Fall	Hours	Spring	Hours
History or Concentration Elective		3 HIST 498	3
Second Major, Minor, or General Elective		3 Second Major, Minor, or General Elective	3
Second Major, Minor, or General Elective		3 Second Major, Minor, or General Elective	3
Second Major, Minor, or General Elective		3 Second Major, Minor, or General Elective	3
Second Major, Minor, or General Elective		3 Second Major, Minor, or General Elective	3
15		15	

Total Hours 120

History, Minor (392)

Program Coordinator

Jennifer A. Hanley, jennifer.walton-hanley@wku.edu, (270) 745-4723

Program Requirements (21 hours)

The minor in History requires a minimum of 21 semester hours.

Code	Title	Hours
Foundational Study		
WORLD HISTORY		3
HIST 101 or HIST 102	World History I World History II	
UNITED STATES HISTORY		3
HIST 240 or HIST 241	The United States to 1865 The United States Since 1865	
Geographic and Chronological Electives		
THE GLOBAL SOUTH		3
Choose at least one course from the following:		

HIST 200	Latin American Society: Past and Present	
HIST 331	History of Africa Since 1500	
HIST 364	Colonial Latin America, 1400-1825	
HIST 365	Modern Latin America, 1800-Present	
HIST 370	Modern South Asia: from Empires to Nations	
HIST 378	History of Yoga: Tradition, Literature, Practice	
HIST 379	Gandhi: The Creation of a Global Legacy	
HIST 461	Modern East Asia	
HIST 462	History of the Middle East	
HIST 465	The Mexican Republic	
HIST 466	The Arab-Israeli Conflict: Local and Global Influences	
HIST 471	Modern China	
ANCIENT TO EARLY MODERN HISTORY		3
Choose at least one course from the following:		
HIST 304	Ancient Identities	
HIST 305	Ancient Greece	
HIST 306	Ancient Rome	
HIST 307	The Middle Ages	
HIST 308	Conflict, Culture and Commerce in the Medieval Mediterranean	
HIST 317	Renaissance Europe	
HIST 318	Age of the Reformation	
HIST 323	The British Isles to 1688	
HIST 330	History of Africa Before 1500	
HIST 404	History of Ancient Egypt	
HIST 407	The Crusades: West Meets East	
HIST 419	Tudor-Stuart England	
HIST 440	Colonial North America to 1763	
HIST 460	Traditional East Asia	
HIST 463	The Atlantic World	
Electives		9
ELECTIVE COURSES		
Students may select any 200, 300, or 400-level history course not already counted toward the major. A maximum of three hours across all elective categories (including Geographic and Chronological Electives and Electives) may be at the 200-level.		
Total Hours		21

Note: Students may select up to three hours of elective courses from outside of History in consultation with a department undergraduate advisor and with approval of the department's lead advisor, program coordinator, or department chair. Additionally, other History courses may be approved for elective categories with approval of department's lead advisor, program coordinator, or department chair.

Religious Studies, Bachelor of Arts (769)

Program Coordinator

Sophia R. Arjana, sophia.arjana@wku.edu, (270) 745-3841

The academic study of religion provides the student with the methodological orientation necessary to comprehend the central beliefs, ethical practices, ritual systems, and social institutions of diverse religious traditions in their historic, contemporary and global contexts. Study in this field is multicultural and comparative, examining the patterns of life and moral worlds of societies past and present, our own as well as others. The student learns to probe for the structure, function and meaning of religion through those rites of passage, sacred narratives, faith communities, and codes of behavior that give meaning to human existence.

Program Requirements (31 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major in religious studies requires a minimum of 31 semester hours and leads to a Bachelor of Arts degree. At least four hours must be at the 400-level. A minor or second major is required. The thirty-one hours must be distributed as follows:

Code	Title	Hours
Category I: World Religions		
RELS 102	World Religions	3
Category II: Religious Traditions		
Select three courses from the following:		9
RELS 302	Buddhism	
RELS 303	Hinduism	
RELS 304	Judaism	
RELS 305	Christianity	
RELS 306	Islam	
RELS 317	Confucianism	
RELS 318	Daoism	
Category III: Comparative Approaches to the Study of Religion		
Select one course from the following:		3
RELS 103	Religions of Asia	
RELS 200	World Religious Literature	
RELS 222	Christians, Jews, and Pagans in the Greco-Roman World	
RELS 242	The Meaning of Life; Atheism to Zen	
RELS 320	Religions of the Middle East	
RELS 333	Women and Religion	
RELS 341	Religion and the Environment	

Category IV: Electives

9 of the 15 hours must be in RELS: the remaining 6 should be selected from the following pre-approved list (or other courses approved by the Department Chair) as well as from the departmentally - approved study abroad courses.¹

ANTH 446 Anthropology of Religion

ART 316	Medieval Art & Architecture
ART 407	Islamic Art and Architecture
ENG 396	Mythology
ENG 487	Dante's Divine Comedy and Its Influences
HIST 318	Age of the Reformation
HIST 407	The Crusades: West Meets East
PHIL 343	Medieval Philosophy
PSYS 451	Psychology of Religion
SOCL 322	Religion in Society

Category V: Senior Seminar

RELS 496	Senior Seminar	1
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Total Hours **31**

¹ 9 Hours must be in religious studies courses; Students may count up to 1 year of language sequence in Arabic, Chinese, Greek, Hebrew, Japanese, or Latin, or other languages approved by the Department Chair.

Finish in Four Plan**First Year**

Fall	Hours	Spring	Hours
COMM 145 or ENG 100		3 ENG 100 or COMM 145	3
HIST 101 or HIST 102		3 MATH 109 (or higher)	3
Colonnade: Natural & Physical Sciences		3 Colonnade: Natural & Physical Sciences with lab	3-4
RELS 102		3 Religious Traditions Course	3
Religious Studies Elective		3 Colonnade: Social & Behavioral Science	3
		15	16

Second Year

Fall	Hours	Spring	Hours
RELS 200		3 ENG 300	3
Religious Traditions Course		3 Colonnade: Connections (Social & Cultural)	3
2nd Major/Minor Course		3 Religious Traditions Course	3
2nd Major/Minor Course		3 Religious Studies Elective	3
2nd Major/Minor Course		3 2nd Major/Minor Course	3
		15	15

Third Year

Fall	Hours	Spring	Hours
Religious Studies Elective		3 Religious Studies Elective	3
Colonnade: Connections (Systems)		3 2nd Major/Minor Course	3
General Elective		3 Colonnade: Connections (Local to Global)	3
2nd Major/Minor Course		3 General Elective	3
2nd Major/Minor Course		3 General Elective	1
		RELS 496	1
		15	14

Fourth Year

Fall	Hours	Spring	Hours
Religious Studies Elective		3 2nd Major/Minor Course	3
2nd Major/Minor Course		3 General Elective	3
2nd Major/Minor Course		3 General Elective	3
General Elective		3 General Elective	3
General Elective		3 General Elective	3
		15	15

Total Hours 120

Religious Studies, Minor (447)**Program Coordinator**

Sophia R. Arjana, sophia.arjana@wku.edu, (270) 745-3841

Program Requirements (24 hours)

At least 12 hours must be taken in courses numbered 300 or above.

Code	Title	Hours
World Religions		
RELS 102	World Religions	3
Religious Traditions		
Select three of the following courses:		
RELS 302	Buddhism	
RELS 303	Hinduism	
RELS 304	Judaism	
RELS 305	Christianity	
RELS 306	Islam	
RELS 317	Confucianism	
RELS 318	Daoism	
Comparative Approaches to the Study of Religion		
Select one course from the following:		
RELS 103	Religions of Asia	
RELS 200	World Religious Literature	
RELS 222	Christians, Jews, and Pagans in the Greco-Roman World	
RELS 242	The Meaning of Life; Atheism to Zen	
RELS 320	Religions of the Middle East	
RELS 333	Women and Religion	
RELS 341	Religion and the Environment	
Electives		
Select 9 hours of electives from the following pre-approved list (or other courses approved by the Department Head) as well as from departmentally - approved language and study abroad courses. ¹		
ANTH 446	Anthropology of Religion	
ART 316	Medieval Art & Architecture	
ART 407	Islamic Art and Architecture	
ENG 396	Mythology	
ENG 487	Dante's Divine Comedy and Its Influences	
HIST 318	Age of the Reformation	
HIST 407	The Crusades: West Meets East	

PHIL 343	Medieval Philosophy
PSYS 451	Psychology of Religion
Any RELS course	
SOCL 322	Religion in Society
Total Hours	24

¹ At least 6 hours must be in RELS courses.

Social Studies, Bachelor of Arts (592)

Program Coordinator

Jennifer A. Hanley, jennifer.walton-hanley@wku.edu, (270) 745-4723

The Social Studies major program provides a strong, interdisciplinary major both for prospective secondary school teachers and for Liberal Arts students interested in a broad learning experience. The Social Studies curriculum totals 60 hours and requires students to study history (27 hrs), political science (9 hrs), economics (6 hrs), geography (9 hrs), anthropology (3 hrs), psychology (3 hrs), and sociology (3 hrs). Social Studies majors are not required to complete an accompanying program, but nearly all Social Studies students double-major in History (which requires 33 hrs). Most Social Studies majors complete the complementary Secondary Education curriculum in CEBS to become certified to teach social studies, and then take jobs as secondary school teachers in WKU's service area.

Concentrations

- General (No Concentration)
- Teacher Education (TCHR)

Program Requirements (60 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major in social studies requires a minimum of 60 semester hours and leads to a Bachelor of Arts degree. Students completing this major may become eligible for teacher certification in social studies. Students with a major in social studies receive a 12-hour waiver in the upper-division hour requirement in the major field.

Code	Title	Hours
History		
HIST 101	World History I	3
HIST 102	World History II	3
HIST 240	The United States to 1865	3
HIST 241	The United States Since 1865	3
HIST 498	Senior Seminar	3
Select 12 hours of upper-division courses including a course from each of the following areas:		12
United States History		
European History to 1648		
European History since 1648		

Areas other than Europe or the United States

Political Science		
PS 110	American National Government	3
PS 250	International Politics	3
or PS 260	Introduction to Comparative Politics	
Select an upper-division elective from the following:		3
PS 310	The American Presidency	
PS 316	The Legislative Process	
PS 326	Constitutional Law	
PS 327	Civil Liberties	
PS 328	Criminal Justice Procedures	
PS 357	U S Foreign Policy	
PS 370	American Political Parties and Interest Groups	
PS 373	Minority Politics	
PS 435	American Political Thought	
Economics		
ECON 202	Principles of Economics (Micro)	3
ECON 203	Principles of Economics (Macro)	3
Geography		
GEOG 110	World Regional Geography	3
Select two of the following:		6
GEOG 330	Introduction to Cultural Geography	
GEOG 350	Economic Geography	
GEOG 360	Geography of North America	
GEOG 364	Geography of Europe	
GEOG 378	Food, Culture, and Environment	
GEOG 425	Political Geography	
GEOG 465	Geography of East Asia	
GEOG 466	Geography of Africa	
GEOG 467	Geography of the Middle East	
Anthropology, Psychology and Sociology		
ANTH 120	Introduction to Cultural Anthropology	3
PSY/PSYS 100	Introduction to Psychology	3
SOCL 100	Introductory Sociology	3
Total Hours		60

In choosing elective courses, students should keep in mind the number of upper-division courses required for graduation. Students who complete this program will not be required to offer an additional major or minor for their degree and teacher certification.

Students who pursue the social studies major should also bear in mind that at least a minor in a particular discipline is required by many universities for graduate study in that discipline. The equivalent of a history minor is included in the social studies major. The number of additional hours required to meet minor requirements in PS, ECON, GEOG and SOCL is as follows: PS: 15 hours; ECON: 15 hours; GEOG: 12 hours; SOCL: 18 hours. Students seeking to minor in any of these disciplines should consult the appropriate Department Chair for specific requirements.

Teacher Education Requirements

The major in Social Studies with Teacher Certification is intended for those seeking certification to teach in grades 8-12. It requires a minimum

of 60 semester hours and leads to a Bachelor of Arts degree. No minor or second major is required. (Teacher certification requires an additional 40 hours of education courses specified by the College of Education and Behavioral Sciences. A grade of "C" or higher is required in all courses applying to certification.) Requirements for the Social Studies major do not change, but the Education component does. The professional education courses required are (40 hours):

Code	Title	Hours
EDU 250	Discover Teaching: Introduction to Teacher Education	3
PSY 310	Educational Psychology: Development and Learning	3
SEC 350	Clinical Practices in Secondary Teaching I	8
EDU 350	Student Diversity and Differentiation	3
EDU 360	Behavior and Classroom Management in Education	3
SEC 450	Clinical Practices in Secondary Teaching II	1
SEC 481	Teaching Social Studies	3
EDU 260	Classroom Assessment	3
SEC 490	Student Teaching	10
EDU 489	Student Teaching Seminar	3
Total Hours		40

Finish in Four Plan

Without Teacher Certification

First Year			
Fall	Hours	Spring	Hours
HIST 101		3 HIST 102	3
ENG 100		3 COMM 145	3
MATH 109 or MATH 116		3 GEOG 110	3
SOCL 100		3 PSY 100 or PSYS 100	3
PS 110		3 PS 250 or PS 260	3
	15		15
Second Year			
Fall	Hours	Spring	Hours
HIST 240		3 HIST 241	3
Upper Level History Elective (Europe to 1648)		3 Upper-Level History Elective (Europe since 1648)	3
ANTH 120		3 ENG 200	3
Colonnade - Natural & Physical Sciences w/ lab		3 GEOG 330, GEOG 350, GEOG 360, GEOG 364, GEOG 378, GEOG 425, GEOG 465, GEOG 466, or GEOG 467	3
Second Major, Minor, or General Elective Course		3 Colonnade - Arts & Humanities	3
	15		15
Third Year			
Fall	Hours	Spring	Hours
ECON 202		3 ECON 203	3
Upper Level History Elective		3 Colonnade - Social & Cultural	3

ENG 300		3 PS 310, PS 316, PS 326, PS 327, PS 328, PS 357, PS 370, PS 373, or PS 435	3
HIST (Non-Western)		3 HIST Elective (United States)	3
Colonnade - Natural & Physical Sciences w/ no lab		3 Second Major, Minor, or General Elective Course	3
	15		15
Fourth Year			
Fall	Hours	Spring	Hours
History Elective		3 HIST 498	3
Colonnade - Local to Global		3 Colonnade - Systems	3
GEOG 330, GEOG 350, GEOG 360, GEOG 364, GEOG 378, GEOG 425, GEOG 465, GEOG 466, or GEOG 467		3 Second Major, Minor, or General Elective Course	3
Second Major, Minor, or General Elective Course		3 Second Major, Minor, or General Elective Course	3
Second Major, Minor, or General Elective Course		3 Second Major, Minor, or General Elective Course	3
	15		15

Total Hours 120

Teacher Certification

First Year					
Fall	Hours	Spring	Hours		
HIST 101		3 HIST 102	3		
ENG 100		3 COMM 145	3		
MATH 109 or MATH 116		3 GEOG 110	3		
SOCL 100		3 PSY 100 or PSYS 100	3		
PS 110		3 PS 250 or PS 260	3		
Colonnade: Arts & Humanities		3 Colonnade: Natural & Physical Sciences w/o Lab	3		
18		18			
Second Year					
Fall	Hours	Spring	Hours		
HIST 240		3 HIST 241	3		
ANTH 120		3 ENG 200	3		
EDU 250		3 ECON 203	3		
Upper Level History Elective (Europe to 1648)		3 Upper Level History Elective (Europe since 1648)	3		
Colonnade: Natural & Physical Sciences w/ Lab		3 History Elective (Non-Western)	3		
History Elective (United States)		3 Upper Level History Elective	3		
18		18			
Third Year					
Fall	Hours	Spring	Hours	Summer	Hours
SEC 350		8 EDU 350		3 Colonnade: Connections (Systems)*	3
EDU 360		3 EDU 360	3		

ECON 202	3 History Elective	3
ENG 300	3 Upper Level Political Science Elective	3
	Upper Level Geography Elective	3
	Connections: Colonnade (Social and Cultural)*	3
17		18
		3

Fourth Year

Fall	Hours	Spring	Hours
SEC 481		3 EDU 489	3
LTCY 421		3 SEC 490	10
SEC 450	1		
HIST 498	3		
Colonnade: Connections (Local to Global)*	3		
Upper Level Geography	3		
16		13	

Total Hours 139

* Some Colonnade: Connections courses may overlap for upper-level history, geography, or political science electives in the major. Consult with an advisor about these course options.

Department of Modern Languages

Dr. Alex Poole, Department Chair

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Honors College and International Center (HCIC), Office 2039

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Website: <http://www.wku.edu/modernlanguages> (<http://www.wku.edu/modernlanguages/>)

Through coursework, experience abroad, community outreach activities, and other cultural encounters, the Department of Modern Languages cultivates communicative skills and cultural awareness that prepare students at Western Kentucky University to be more knowledgeable and sensitive citizens of the global community. The department's goals are to deliver high-quality language instruction based on nationally-recognized standards, to contribute actively to cross-disciplinary international initiatives on campus, and to graduate majors and minors whose language skills provide enhanced opportunities for careers at the regional, national, and international levels, and who are competitive for graduate study, should they choose that route.

Language students may join any one of the department's language clubs and may also be selected for membership in chapters of national language honor societies. They may attend international films, interact with exchange students, take part in community or regional outreach activities, and enjoy the benefits of multi-media enhanced instruction. The department strongly encourages students to take advantage of study abroad opportunities. With advance approval of the department, students can earn credit toward majors and minors through participation

in WKU's own direct exchanges, the programs of the Kentucky Institute for International Studies or other accredited programs.

When planning programs of study in this department, students should be aware of the University's academic requirements and regulations contained in this catalog in the chapter "Academic Information." Specific attention should be given to the subsections in the chapter entitled

1. Academic Programs,
2. Colonnade Requirements, and
3. Academic Requirements and Regulations.

Students should be aware that some academic programs may require additional scholastic regulations and standards not specified in the catalog. To obtain a copy of these regulations, students should contact the Department Chair.

WKU Language Requirement Colonnade Program

Students enrolling as first-time, degree-seeking college students in fall 2014 or thereafter should demonstrate language proficiency at the Novice High level before completing 60 hours of college credit. Two credits (or equivalent) of High School language in a single world language satisfies the WKU Proficiency requirement. Students who have taken one semester of a world language in high school have NOT fulfilled the world language requirement. Alternatively, students may start a new language with a 101 course and then complete the second semester (102) course with a C or higher to demonstrate proficiency; or they may take a STAMP assessment or present an adequate CLEP or AP score to demonstrate proficiency based on previous knowledge, or they may place properly and complete at least a second semester (102) course or higher to demonstrate proficiency. For information, go to <http://www.wku.edu/modernlanguages> (<http://www.wku.edu/modernlanguages/>) and click on Placement.

Previous Catalog Years

Students who enrolled as first-time, degree-seeking college students in summer 2004 or after must fulfill the foreign language general education requirement of "proficiency at the second-semester level." They can do this by successfully taking a 102 (second-semester of first year) course, by taking a department exam for 102, by gaining appropriate CLEP or AP credit, or by placing into and successfully passing a course at the intermediate (201 or 202) level or higher that is taught in the target language. Students who wish to continue a language that they studied for 2 or more years in high school will generally begin that language at the 102 level or higher. Students who want to begin the study of a new language in order to fulfill the general education requirement should enroll in the first-semester (101) course of that language. Students who enrolled as first-time, degree-seeking college students prior to the summer of 2004 may fulfill the foreign language general education requirement of proficiency at the first-semester level. They can do this by successfully taking a 101 or first-semester course.

Credit for Students Intending to Major or Minor in a Language

Students who have good language skills and those who plan to major or minor in one of these languages should take measures to gain credit for their previous knowledge. For current information on verified credit, AP credit, or CLEP credit, go to the Modern Languages website at this

address: <http://www.wku.edu/modernlanguages> (<http://www.wku.edu/modernlanguages/>) and click on Placement.

International Study Opportunities

WKU students may take part in faculty-led study abroad programs or enroll for short-term, summer, quarter, semester or year abroad programs at study centers abroad and have that coursework transferred back to WKU and credited to their Modern Language major. See the international programs section of this publication or <http://www.wku.edu/studyabroad> (<http://www.wku.edu/studyabroad/>) for more information. The Department offers several scholarships and awards annually intended primarily to assist students who study abroad.

Degrees

- Chinese, Bachelor of Arts (624) (p. 124)
- Spanish, Bachelor of Arts (778) (p. 127)

Minors

- Chinese, Minor (337) (p. 126)
- Spanish, Minor (464) (p. 131)

Certificates

- Chinese Studies, Certificate (1755) (p. 123)
- Language Certificate in Spanish, Certificate (1771) (p. 126)

Faculty Professor

Inmaculada Pertusa PhD (Spanish), University of Colorado at Boulder, 1996

Melissa A. Stewart PhD (Hispanic & Italian Studies), Johns Hopkins University, 1992

Associate Professor

Sonia E. Lenk PhD (Hispanic Language and Literature), University of Pittsburgh Camp, 2007

Ke Peng PhD (East Asian Studies, East Asian Studies), University of Arizona, 2011

Francesca D. Sunkin MA (Spanish), Bowling Green State University, 1999

Pedagogical Assistant Professor

Yuyun Lei PhD (East Asian Languages & Culture), University of Illinois Central Admin, 2021

Instructor I

Zhuqin T. Borders PhD (Foreign Philosophy), Renmin University-China, 2017

Na Li MR (Teaching Chinese to Speakers of other Languages), Liaoning University, 2012

Kai Liang MA (East Asian Language and Literatures), The Ohio State University Main Campus, 2015

Instructor II

Yerty M. Vandermolen MA (Spanish), University of Northern Iowa, 2012

Chinese Studies, Certificate (1755)

Program Coordinator

Ke Peng, ke.peng@wku.edu, (270) 745-2118

Program Requirements (21 hours)

This certificate program prepares graduates for careers in a Chinese-speaking market. A total of 21 credit hours are required in this certificate. Twelve credit hours of core courses develop basic Chinese language proficiency and cultural expertise, and nine hours of electives provide students the flexibility to tailor the certificate to support their professional interests. Some of the required course work may be accomplished through approved methods for demonstration of previous knowledge. Students must earn a C or better in courses for the certificate.

Code	Title	Hours
Required Courses (at least 12 hours)		
CHIN 101 & CHIN 102	Elementary Chinese I and Elementary Chinese II	6
OR		
CHNF 101 & CHNF 102	Intensive Elementary Chinese I and Intensive Elementary Chinese II	
AND		
CHIN 201 & CHIN 202	Intermediate Chinese I and Intermediate Chinese II	6
OR		
CHNF 201	Intensive Intermediate Chinese I	
Total Hours		12

Code	Title	Hours
Elective Courses		
Select three courses at the 200-, 300- or 400-level, at least one of which must be at the 300- or 400-level, delivered in Chinese or English related to China studies for a total (including the core courses) of 21 or more credit hours. Other China-related courses may be approved with permission of program advisor.		
ANTH 333	The Archaeology of Ancient China	
ANTH 341	Peoples and Cultures of Asia	
ARC 401	Topics in Asian Religions and Cultures	
COMM 365	Intercultural Communication	
GEOG 465	Geography of East Asia	
HIST 300	Contemporary Chinese Society and Culture	
HIST 460	Traditional East Asia	
HIST 461	Modern East Asia	
HIST 471	Modern China	
PS 366	Government and Politics in East Asia	
PS 460	Selected Topics in Comparative Politics	
RELS 302	Buddhism	
RELS 317	Confucianism	
RELS 318	Daoism	
THEA 375	Topics in Drama	
Students can also select from CHIN 2**, CHN 3**, CHIN 4**, CHNF 2**, CHNF 3**, CHNF 4**, and MLNG 4**		
Total Hours		9

Chinese, Bachelor of Arts (624)

Program Coordinator

Ke Peng, ke.peng@wku.edu, (270) 745-2118

Our Chinese majors combine language skills with knowledge of another discipline to prepare for successful careers.

Why is it important to learn Chinese?

- Chinese is the modern language with the oldest, continuously written language in the world.
- At the current pace of growth, China will surpass the U.S. to become the world's largest economy in 20 years.

A variety of career options will be open to those who have solid Chinese language skills: university scholars, teachers, international affairs, law, diplomacy, international business and trade.

Concentrations

- General (No concentration)
- Teacher Education (TCHR)

Program Requirements (36-73 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The proficiency-oriented Chinese major (reference # 624) is built upon student-centered curriculum and standards-based assessments. It provides WKU undergraduates with extensive language training and in-depth study of Chinese culture and society, which prepare them to use Chinese proficiency in their professional endeavors. Thirty-six credit hours are required in this major. Some of the required course work may be accomplished through approved methods for demonstration of previous knowledge or courses taken with the Chinese Flagship Program (CHNF). Chinese Flagship students must have been admitted to or be in good standing in the Mahurin Honors College. Study abroad is strongly recommended. A minor or second major is required for the non-teacher certification concentration. No course with a grade of "D" or below may be counted toward the major.

Code	Title	Hours
Required Core Courses		
CHIN 102 or CHNF 101	Elementary Chinese II Intensive Elementary Chinese I	3
CHIN 201 or CHNF 102	Intermediate Chinese I Intensive Elementary Chinese II	3
CHIN 202 or CHNF 201	Intermediate Chinese II Intensive Intermediate Chinese I	3
CHIN 301 or CHNF 202	Advanced Intermediate Chinese I Intensive Intermediate Chinese II	3
CHIN 302	Advanced Intermediate Chinese II	3
CHIN 401	Advanced Chinese I	3

CHIN 402	Advanced Chinese II	3
Elective Courses		
Select at least four courses at the 300- or 400-level		15
Total Hours		36

Elective Courses

Students may include among the five courses up to three credit hours of 200-level credit beyond CHIN 201 / CHIN 202 (only if taught in Chinese and taken in sequence) and six credit hours of 300- or 400-level courses delivered in English but related to Chinese studies (e.g., courses in Chinese history, philosophy, and/or religion), only after the student has completed 6 hours at 300-level with permission of program advisor. Electives may be chosen from the following:

Code	Title	Hours
Chinese Language Courses		
CHIN 200-level courses other than CHIN 201 / CHIN 202 (3 hours maximum)		
CHIN or CHNF 300- or 400-level courses		
Study Abroad		
CHIN 306 (maximum of 6 hours)		
Courses on Chinese Studies (delivered in English)		
HIST 460	Traditional East Asia	3
HIST 461	Modern East Asia	3
HIST 471	Modern China	3
PS 366	Government and Politics in East Asia	3
RELS 317	Confucianism	3
RELS 318	Daoism	3

Other courses with permission of program advisor (maximum of 6 hours)

Major in Chinese with Teacher Certification

Code	Title	Hours
Required Core Courses		
CHIN 102 or CHNF 101	Elementary Chinese II Intensive Elementary Chinese I	3
CHIN 201 or CHNF 102	Intermediate Chinese I Intensive Elementary Chinese II	3
CHIN 202 or CHNF 202	Intermediate Chinese II Intensive Intermediate Chinese II	3
CHIN 301 or CHNF 201	Advanced Intermediate Chinese I Intensive Intermediate Chinese I	3
CHIN 302	Advanced Intermediate Chinese II (required for students not taking CHNF courses)	3
CHIN 333	Chinese Culture and Civilization	3
CHIN 401	Advanced Chinese I	3
CHIN 402	Advanced Chinese II	3
Elective Courses		
Select at least four courses at the 300- or 400-level		14-15
Total Hours		38-39

Elective Courses

Students may include among the five courses up to three credit hours of 200-level credit beyond CHIN 201 / CHIN 202 (only if taught in Chinese and taken in sequence) and six credit hours of 300- or 400-level courses delivered in English but related to Chinese studies (e.g., courses in Chinese history, philosophy, and/or religion), only after the student has completed 6 hours at 300-level with permission of program advisor. Electives may be chosen from the following:

Code	Title	Hours
Chinese Language Courses		
CHIN 200-level courses other than CHIN 201 / CHIN 202 (3 hours maximum)		
CHIN or CHNF 300- or 400-level courses		
Study Abroad		
CHIN 306 (maximum of 6 hours)		
Courses on Chinese Studies (delivered in English)		
HIST 460	Traditional East Asia	3
HIST 461	Modern East Asia	3
HIST 471	Modern China	3
PS 366	Government and Politics in East Asia	3
RELS 317	Confucianism	3
RELS 318	Daoism	3

Other courses with permission of program advisor (maximum of 6 hours)

Teacher Certification

Students interested in teacher certification in Arabic, Chinese, French, German, or Spanish should meet with the Modern Languages Academic Advisor as early in their academic career as possible for information on current program requirements. World Language teachers in Kentucky may be eligible for interest forgiveness on student loans.

Professional Education Coursework

Required for Certification in Arabic, Chinese, French, German, & Spanish are listed as follows:

Code	Title	Hours
EDU 250	Discover Teaching: Introduction to Teacher Education	3
EDU 260	Classroom Assessment	3
EDU 350	Student Diversity and Differentiation	3
EDU 360	Behavior and Classroom Management in Education	3
EDU 489	Student Teaching Seminar	3
MLNG 410 or ENG 469	Second Language Acquisition 2nd Language Acquisition Theory	3
MLNG 474	Teaching Foreign Language	3
PSY 310	Educational Psychology: Development and Learning	3
SEC 350	Clinical Practices in Secondary Teaching I	8
SEC 490	Student Teaching	10
Total Hours		42

All students seeking teacher certification must take the official Oral Proficiency Interview (OPI) given by the American Council on the Teaching of Foreign Languages (ACTFL).

Finish in Four Plan

Chinese

First Year			
Fall	Hours	Spring	Hours
CHIN 101 or CHNF 101		3 CHIN 102 or CHNF 102	3
ENG 100		3 COMM 145	3
HIST 101 or HIST 102		3 MATH 109	3
ARC 100		3 Colonnade - Natural & Physical Sciences w/ no lab	3
PSY 100		3 General Elective	3
		15	15
Second Year			
Fall	Hours	Spring	Hours
CHIN 201 or CHNF 201		3 CHIN 202 or CHNF 202	3
Colonnade - Natural & Physical Sciences w/ lab		3-4 Second Major or Minor Course or General Elective	3
ENG 200		3 RELS 318	3
Second Major or Minor Course or General Elective		3 Second Major or Minor Course or General Elective	3
Second Major or Minor Course or General Elective		3 Second Major or Minor Course or General Elective	3
		15-16	15
Third Year			
Fall	Hours	Spring	Hours
CHIN 301 or CHNF 301		3 CHIN 302 or CHNF 302	3
CHIN 320		3 CHIN 420	3
ENG 300		3 RELS 317	3
Second Major or Minor Course or General Elective		3 Second Major or Minor Course or General Elective	3
Second Major or Minor Course or General Elective		3 Second Major or Minor Course or General Elective	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
CHIN 401 or CHNF 420		3 CHIN 402 or CHNF 440	3
CHIN/CHNF Elective (300/400 level)		3 CHIN/CHNF Elective (300/400 level)	3
Colonnade - Local to Global		3 CHIN Elective (300/400 level)	3
Second Major or Minor Course or General Elective		3 Second Major or Minor Course or General Elective	3
Second Major or Minor Course or General Elective		3 Second Major or Minor Course or General Elective	3
		15	15
Total Hours 120-121			

With Teacher Certification

First Year

Fall	Hours	Spring	Hours
CHIN 101 or CHNF 101		3 CHIN 102 or CHNF 102	3
ENG 100		3 COMM 145	3
HIST 101 or HIST 102		3 MATH 109	3
ARC 100		3 Colonnade - Natural & Physical Sciences w/ no lab	3
PSY 100		3 General Elective	3
		15	15

Second Year

Fall	Hours	Spring	Hours
CHIN 201 or CHNF 201		3 CHIN 202 or CHNF 202	3
Colonnade - Natural & Physical Sciences w/ lab		3-4 CHIN Elective (200/300 level)	3
ENG 200		3 RELS 318	3
CHIN Elective (200/300 level)		3 Colonnade - Local to Global	3
EDU 250		3 PSY 310	3
		General Elective	2
		15-16	17

Third Year

Fall	Hours	Spring	Hours
CHIN 301 or CHNF 301		3 CHIN 302 or CHNF 302	3
CHIN 320		3 CHIN 420	3
ENG 300		3 RELS 317	3
SPED 330		3 MLNG 410	3
SEC 351		3 LTCY 421	3
		15	15

Fourth Year

Fall	Hours	Spring	Hours
CHIN 401 or CHNF 420		3 EDU 489	3
CHIN/CHNF Elective (300/400 level)		3 SEC 490	10
Colonnade - Local to Global		3	
SEC 453		3	
MLNG 474		3	
		15	13

Total Hours 120-121

Chinese, Minor (337)

Program Coordinator

Ke Peng, ke.peng@wku.edu, (270) 745-2118

Program Requirements (30 hours)

The minor in Chinese requires 30 credit hours. Some of the required coursework may be accomplished through approved methods for demonstration of previous knowledge or courses taken with the Chinese Flagship Program (CHNF). Chinese Flagship students must have been admitted to or be in good standing in the Mahurin Honors College. Study abroad is recommended. No course with a grade of "D" or below may be counted toward the minor.

Code	Title	Hours
Required Core Courses		
CHIN 102	Elementary Chinese II	3
or CHNF 101	Intensive Elementary Chinese I	

CHIN 201	Intermediate Chinese I	3
or CHNF 102	Intensive Elementary Chinese II	
CHIN 202	Intermediate Chinese II	3
or CHNF 201	Intensive Intermediate Chinese I	
CHIN 301	Advanced Intermediate Chinese I	3
or CHNF 202	Intensive Intermediate Chinese II	
CHIN 302	Advanced Intermediate Chinese II (required for students not taking CHNF course)	3
CHIN 401	Advanced Chinese I	3

Elective Courses

Select at least three courses from the 300- or 400-level ¹ 11-12

Total Hours **29-30**

¹ Elective courses may include among the four courses up to three credit hours of 200-level credit beyond CHIN 201 / CHIN 202 (only if taught in Chinese and taken in sequence), six credit hours of study abroad, and three credit hours of 300- or 400-level courses delivered in English but related to Chinese studies (e.g. courses in Chinese history, philosophy, and/or religion) with permission of program advisor.

Elective Courses

Electives should be selected from the following categories:

Code	Title	Hours
Chinese Language Courses		
CHIN 200-level courses other than CHIN 201 / CHIN 202 (3 hours maximum)		
Chinese (CHIN) or Chinese Flagship (CHNF) courses at the 300- or 400-level		
Study Abroad		
CHIN 306 (maximum of 6 hours)		
Courses on Chinese Studies		
HIST 460	Traditional East Asia	3
HIST 461	Modern East Asia	3
HIST 471	Modern China	3
PS 366	Government and Politics in East Asia	3
RELS 317	Confucianism	3
RELS 318	Daoism	3

Other courses with permission of program advisor (3 hours maximum)

Language Certificate in Spanish, Certificate (1771)

Program Coordinator

Melissa A. Stewart, melissa.stewart@wku.edu

This certificate focuses on developing listening, speaking, reading, and writing skills. It also provides a broad awareness of the cultures of the Spanish-speaking world. Students planning careers in health care, social services, education media, and business will obtain the tools necessary to communicate with Spanish-speaking populations. Students

are encouraged to contact the Spanish program to discuss course scheduling.

Program Requirements (18 hours)

Code	Title	Hours
SPAN 101	Elementary Spanish I	3
SPAN 102	Elementary Spanish II	3
SPAN 201	Intermediate Spanish I	3
SPAN 202	Intermediate Spanish II	3
SPAN 370	Spanish Conversation	3
SPAN 371	Spanish Composition and Grammar	3
Total Hours		18

Spanish, Bachelor of Arts (778)

Program Coordinator

Sonia E. Lenk, sonia.lenk@wku.edu, (270) 745-5906

There are so many reasons to learn Spanish, we could hardly list them all here. Spanish is spoken by some 400 million people. According to About.com, it is the fourth most commonly spoken language in the world. It is the official language on four continents, and the number of Spanish speakers in the United States is growing. Speakers of Spanish are needed in a wide variety of fields such as business, education, health care, journalism and social work. Spanish makes a great "second major" in combination with just about any other discipline that interests you. Our Spanish program provides you many opportunities to interact with Spanish speakers both at home and abroad, and to apply your skills in service opportunities.

Concentrations

- Spanish Language and Cultures (SPLC)
- Communication (COMM)
- International Business (INBU)
- Health Sciences & Health Careers (HSHC)
- Legal Professionals (LEPR)
- Teacher Education (TCHR)

Program Requirements (36-73 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The Spanish major (reference # 778) leads to a Bachelor of Arts degree and requires a minimum of 36 credit hours. A minor is required, unless the student declares the teacher certification concentration. Some of the required coursework may be accomplished through CLEP or AP credit. Study abroad is strongly recommended. A minor or second major is required for the non-teacher certification concentration. No course with a grade of "D" or below may be counted toward this major.

Code	Title	Hours
Required Core Courses		
SPAN 102	Elementary Spanish II (or equivalent)	3
SPAN 201	Intermediate Spanish I	3
SPAN 202	Intermediate Spanish II	3
SPAN 370	Spanish Conversation	3
SPAN 371	Spanish Composition and Grammar	3
SPAN 372	Latin American Civilization and Culture	3
or SPAN 373	Spanish Civilization and Culture	
SPAN 374	Literature and Culture of Spain	3
or SPAN 376	Literature and Culture of Latin America	
Total Hours		21

Select one of the following Concentrations:

Spanish Language and Cultures Concentration

Code	Title	Hours
In addition to the required core courses, student must take the following courses if they pursue the Spanish Language and Cultures concentration:		
Select 5 elective upper level Spanish courses, with at least one 400 level course		15
Total Hours		15

Spanish Communication Concentration

Code	Title	Hours
In addition to the required core courses, student must take the following courses if they pursue the Spanish Communication concentration:		
SPAN 345	Topics in Spanish	3
or SPAN 381	Spanish Grammar Through Cultural Readings	
SPAN 470	Advanced Oral Spanish	3
or SPAN 471	Advanced Spanish Composition	
Choose one of the following Spanish elective courses:		3
SPAN 389	Internship in Spanish	
or SPAN 331	Spanish for Professional Communication	
or SPAN 455	Topics in Hispanic Literary and Cultural Studies	
or SPAN 480	Translation and Interpreting	
SPAN 3** or SPAN 4** Study Abroad		
Students must take all 3 courses in one of the following options:		9
Workplace Communication		
COMM 330	Leadership Communication	
COMM 349	Small Group Communication	
COMM 365	Intercultural Communication	
Advertising/User Experience		
AD 210	Software Studio	
UX 220	Introduction to User Experience Design	
UX 330	User Interface Design	

Strategic Communication	
PR 255	Fundamentals of Public Relations
COMM 346	Persuasion
COMM 364	Crisis Communication

Total Hours 18

Spanish for International Business Concentration

Code	Title	Hours
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In addition to the required core courses, student must take the following courses if they pursue the Spanish for International Business concentration:

SPAN 345	Topics in Spanish	3
or SPAN 381	Spanish Grammar Through Cultural Readings	
SPAN 470	Advanced Oral Spanish	3
or SPAN 471	Advanced Spanish Composition	
MGT 210	Organization and Management	3
MGT 303	International Business	3
Choose one of the following Spanish elective courses:		3
SPAN 389	Internship in Spanish	
SPAN 331	Spanish for Professional Communication	
SPAN 455	Topics in Hispanic Literary and Cultural Studies	
SPAN 480	Translation and Interpreting	
SPAN 3** or SPAN 4** Study Abroad		
Choose one of the following International Business electives:		3
ENT 425	International Entrepreneurship	
MGT 316	International Management	
ECON 380	International Economics	

Total Hours 18

Spanish for Health Sciences and Health Care Concentration

Code	Title	Hours
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In addition to the required core courses, students must take the following courses if they pursue the Spanish for Health Sciences and Health Care concentration:

SPAN 345	Topics in Spanish	3
or SPAN 381	Spanish Grammar Through Cultural Readings	
SPAN 470	Advanced Oral Spanish	3
or SPAN 471	Advanced Spanish Composition	
Choose one of the following Spanish elective courses:		3
SPAN 389	Internship in Spanish	
SPAN 331	Spanish for Professional Communication	
SPAN 455	Topics in Hispanic Literary and Cultural Studies	
SPAN 480	Translation and Interpreting	
Choose nine hours from the following courses:		9
BIOL 113 & BIOL 114	General Biology and General Biology Laboratory	

BIOL 120 & BIOL 121	Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab
BIOL 122 & BIOL 123	Biological Concepts: Evolution, Diversity, and Ecology and Biological Concepts: Evolution, Diversity, and Ecology Lab
BIOL 131	Human Anatomy and Physiology
CHEM 105 & CHEM 106	Fundamentals of General Chemistry and Fundamentals of General Chemistry Laboratory
CHEM 107 & CHEM 108	Fundamentals of Organic Chemistry and Fundamentals of Organic Chemistry Laboratory
CHEM 116	Introduction to College Chemistry
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory
PSY/PSYS 100	Introduction to Psychology
PSY/PSYS 220	Introduction to Lifespan Developmental Psychology
PSYS 440	Abnormal Psychology
HMD 211	Human Nutrition

Total Hours 18

Spanish for Legal Professionals Concentration

Code	Title	Hours
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In addition to the required core courses, student must take the following courses if they pursue the Spanish for Legal Professionals concentration:

SPAN 345	Topics in Spanish	3
or SPAN 381	Spanish Grammar Through Cultural Readings	
SPAN 470	Advanced Oral Spanish	3
or SPAN 471	Advanced Spanish Composition	
PLS 200	Legal Ethics	
PLS 225	Introduction to Law	
Choose one of the following Spanish elective courses:		3
SPAN 389	Internship in Spanish	
SPAN 331	Spanish for Professional Communication	
SPAN 455	Topics in Hispanic Literary and Cultural Studies	
SPAN 480	Translation and Interpreting	
SPAN 3** or SPAN 4** Study Abroad		
Choose one of the following Paralegal Studies electives:		3
PLS 296	Family Law	

Total Hours 12

Major in Spanish with Teacher Certification

Code	Title	Hours
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Required Core Courses		
SPAN 102	Elementary Spanish II (or equivalent)	3
SPAN 201	Intermediate Spanish I	3
SPAN 202	Intermediate Spanish II	3

SPAN 370	Spanish Conversation	3
SPAN 371	Spanish Composition and Grammar	3
SPAN 372	Latin American Civilization and Culture	3
or SPAN 373	Spanish Civilization and Culture	
SPAN 374	Literature and Culture of Spain	3
or SPAN 376	Literature and Culture of Latin America	
SPAN 470	Advanced Oral Spanish	3
Elective Courses		
Select four Spanish Courses at the 300- or 400-level		12
Total Hours		36

Teacher Certification

Students interested in teacher certification in Arabic, Chinese, or Spanish should meet with the Modern Languages Academic Advisor as early in their academic career as possible for information on current program requirements. World Language teachers in Kentucky may be eligible for interest forgiveness on student loans.

Required for Certification in Spanish

Code	Title	Hours
EDU 250	Discover Teaching: Introduction to Teacher Education	3
EDU 260	Classroom Assessment	3
EDU 350	Student Diversity and Differentiation	3
EDU 360	Behavior and Classroom Management in Education	3
EDU 489	Student Teaching Seminar	3
MLNG 410	Second Language Acquisition	3
or ENG 469	2nd Language Acquisition Theory	
MLNG 474	Teaching Foreign Language	3
PSY 310	Educational Psychology: Development and Learning	3
SEC 350	Clinical Practices in Secondary Teaching I	8
SEC 490	Student Teaching	10
Total Hours		42

All students seeking teacher certification must take the official Oral Proficiency Interview (OPI) given by the American Council on the Teaching of Foreign Languages (ACTFL).

Finish in Four Plans

Additional Information for Students pursuing a Spanish major

2nd Major or Minor Required for all Spanish Tracks, with the exception of Teacher Certification.

Placement: Students should begin the curriculum at the right level based on previous knowledge. If students begin in 101, bi-term classes are recommended for the first and second year. Read about placement and verified credit at: www.wku.edu/modernlanguages/placement. (<http://www.wku.edu/modernlanguages/placement/>)

Study Abroad: A full semester abroad - or at a minimum 1-2 shorter term study abroad experiences - are strongly recommended. Consult with an advisor and plan ahead.

Spanish Languages and Cultures

First Year			
Fall	Hours	Spring	Hours
SPAN 102		3 SPAN 201	3
ENG 100		3 HIST 101 or HIST 102	3
COMM 145		3 ENG 200	3
MATH 109, MATH 115, or MATH 116		3 Colonnade: Natural & Physical Sciences w/ Lab	3
Colonnade: Social & Behavioral Sciences		3 General Elective	3
		15	15
Second Year			
Fall	Hours	Spring	Hours
SPAN 202 (or SPAN 201/SPAN 202 as bi-terms)		3 SPAN 370	3
ENG 300		3 SPAN 371	3
Colonnade: Arts & Humanities		3 Colonnade: Connections (Social & Cultural)	3
General Elective		3 Colonnade: Natural & Physical Sciences w/ Lab	3-4
General Elective		3 General Elective	3
		15	15-16
Third Year			
Fall	Hours	Spring	Hours
SPAN 372 or SPAN 373		3 SPAN 374 or SPAN 372	3
SPAN Elective (300-level)		3 SPAN Elective (300-level)	3
Colonnade: Connections (Systems)		3 Colonnade: Connections (Local to Global)	3
General Elective		3 General Elective	3
General Elective		3 General Elective	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
SPAN Elective (300/400 level)		3 SPAN Elective (300/400 level)	3
SPAN Elective (300/400 level)		3 General Elective	3
General Elective		3 General Elective	3
General Elective		3 General Elective	3
General Elective		3 General Elective	3
		15	15
Total Hours 120-121			

Communication

First Year			
Fall	Hours	Spring	Hours
SPAN 102		3 SPAN 201	3
ENG 100		3 HIST 101 or HIST 102	3
COMM 145		3 ENG 200	3
MATH 109, MATH 115, or MATH 116		3 Colonnade: Natural & Physical Sciences w/ Lab	3-4

Colonnade: Social & Behavioral Sciences		3 Colonnade: Arts & Humanities		3
		15	15-16	
Second Year				
Fall	Hours	Spring	Hours	
SPAN 202 (or SPAN 201/SPAN 202 as bi-terms)		3 SPAN 370		3
COMM 200		3 SPAN 371		3
Colonnade: Connections (Systems)		3 Colonnade: Connections (Local to Global)		3
Colonnade: Connections (Social & Cultural)		3 Colonnade: Natural & Physical Sciences w/o Lab		3-4
General Elective		3 General Elective		3
		15	15-16	
Third Year				
Fall	Hours	Spring	Hours	
SPAN 372 or SPAN 373		3 SPAN 374 or SPAN 372		3
SPAN Elective (300-level)		3 COMM 349, UX 220, or COMM 346		3
SPAN 381 or SPAN 345		3 General Elective		3
COMM 330, AD 210, or PR 255		3 General Elective		3
General Elective		3 General Elective		3
General Elective		3		
		18	15	
Fourth Year				
Fall	Hours	Spring	Hours	
SPAN 470 or SPAN 471		3 SPAN Elective (300/400 level)		3
COMM 365, UX 330, or COMM 364		3 General Elective		3
General Elective		3 General Elective		3
General Elective		3 General Elective		3
General Elective		3 General Elective		3
		15	15	

Total Hours 123-125

Note: Students will choose one concentration and must take the 3 courses listed for that concentration. The first option listed is Workplace Communication, the second option is Advertising/User Experience, and the third is Strategic Communication.

International Business

First Year			
Fall	Hours	Spring	Hours
SPAN 102		3 SPAN 201	3
ENG 100		3 HIST 101 or HIST 102	3
COMM 145		3 ECON 203	3
MATH 109, MATH 115, or MATH 116		3 ENG 200	3
ECON 202		3 Colonnade: Natural & Physical Sciences w/ Lab	3-4
		15	15-16
Second Year			
Fall	Hours	Spring	Hours
SPAN 202 (or SPAN 201/SPAN 202 as bi- terms)		3 SPAN 370	3
MGT 210		3 SPAN 371	3

ENG 300		3 Colonnade: Connections (Social & Cultural)	3
Colonnade: Arts & Humanities		3 Colonnade: Natural & Physical Sciences w/ o Lab	3-4
General Elective		3 MGT 303	3
15			15-16
Third Year			
Fall	Hours	Spring	Hours
SPAN 372 or SPAN 373		3 SPAN 374 or SPAN 372	3
SPAN 381 or SPAN 345		3 Colonnade: Connections (Local to Global)	3
ENT 425, MGT 316, or ECON 380		3 General Elective	3
Colonnade: Connections (Systems)		3 General Elective	3
General Elective		3 General Elective	3
15			15
Fourth Year			
Fall	Hours	Spring	Hours
SPAN 470 or SPAN 471		3 SPAN Elective (300/400 level)	3
General Elective		3 General Elective	3
General Elective		3 General Elective	3
General Elective		3 General Elective	3
General Elective		3 General Elective	3
15			15

Total Hours 120-122**Health Sciences and Health Care**

First Year			
Fall	Hours	Spring	Hours
SPAN 102		3 SPAN 201	3
ENG 100		3 HIST 101 or HIST 102	3
COMM 145		3 ENG 200	3
MATH 109, MATH 115, or MATH 116		3 BIOL 113 & BIOL 114, BIOL 120/121, BIOL 122/123, or BIOL 131	4
PSY 100, PSYS 100, PSY 220, or PSYS 220		3 General Elective	3
15		16	

Second Year			
Fall	Hours	Spring	Hours
SPAN 202 (or SPAN 201/SPAN 202 as bi-terms)		3 SPAN 370	3
CHEM 107 & CHEM 108 or CHEM 109		4 SPAN 371	3
ENG 300		3 CHEM 105 & CHEM 106, CHEM 116, or CHEM 120/121	3-4
Colonnade: Arts & Humanities		3 Colonnade: Connections (Social & Cultural)	3
General Elective		3 General Elective	3
16		15-16	

Third Year			
Fall	Hours	Spring	Hours
SPAN 372 or SPAN 373		3 SPAN 374 or SPAN 372	3

SPAN 381 or SPAN 345	3 Colonnade: Connections (Local to Global)	3
HMD 211	3 General Elective	3
General Elective	3 General Elective	3
General Elective	3 General Elective	3
15		15

Fourth Year

Fall	Hours	Spring	Hours
SPAN 470 or SPAN 471		3 SPAN Elective (300/400 level)	3
PSY 440 or PSYS 440		3 General Elective	3
General Elective		3 General Elective	3
General Elective		3 General Elective	3
General Elective		3 General Elective	3
15		15	

Total Hours 122-123

Note: Students must complete any 9 hours of the science classes listed in the above pathway.

Legal Professionals**First Year**

Fall	Hours	Spring	Hours
SPAN 102		3 SPAN 201	3
ENG 100		3 PLS 225	3
COMM 145		3 HIST 101 or HIST 102	3
MATH 109, MATH 115, or MATH 116		3 ENG 200	3
Colonnade: Social & Behavioral Sciences		3 Colonnade: Natural & Physical Sciences w/ Lab	3-4
15		15-16	

Second Year

Fall	Hours	Spring	Hours
SPAN 202 (or SPAN 201/SPAN 202 as bi- terms)		3 SPAN 370	3
PLS 200		3 SPAN 371	3
ENG 300		3 PLS 296 or PLS 291	3
Colonnade: Arts & Humanities		3 Colonnade: Connections (Social & Cultural)	3
General Elective		3 Colonnade: Natural & Physical Sciences w/ o Lab	3-4
15		15-16	

Third Year

Fall	Hours	Spring	Hours
SPAN 372 or SPAN 373		3 SPAN 374 or SPAN 372	3
SPAN 381 or SPAN 345		3 Colonnade: Connections (Local to Global)	3
Colonnade: Connections (Systems)		3 General Elective	3
General Elective		3 General Elective	3
General Elective		3 General Elective	3
15		15	

Fourth Year

Fall	Hours	Spring	Hours
SPAN 470 or SPAN 471		3 SPAN Elective (300/400 level)	3
General Elective		3 General Elective	3
General Elective		3 General Elective	3

General Elective	3 General Elective	3
General Elective	3 General Elective	3
15		15

Total Hours 120-122**With Teacher Certification****First Year**

Fall	Hours	Spring	Hours
SPAN 102		3 SPAN 201	3
ENG 100		3 HIST 101 or HIST 102	3
COMM 145		3 EDU 250	3
MATH 109 (or higher)		3 Colonnade: Natural & Physical Sciences w/ Lab	3
Colonnade: Social & Behavioral Sciences		3 ENG 200	3
15		15	

Second Year

Fall	Hours	Spring	Hours
SPAN 202 (or SPAN 201/SPAN 202 as bi- term)		3 SPAN 370	3
PSY 310		3 SPAN 371	3
ENG 300		3 Colonnade: Connections (Social & Cultural)	3
EDU 260		3 Colonnade: Natural & Physical Science	3
Colonnade: Arts & Humanities		3 General Elective	3
15		15	

Third Year

Fall	Hours	Spring	Hours
SPAN 376 or SPAN 373		3 SPAN 374 or SPAN 372	3
SPAN 381 or SPAN 331		3 SPAN 345	3
ENG 469		3 Colonnade: Connections (Systems)	3
SEC 350		8 Colonnade: Connections (Local to Global)	3
EDU 350		3 General Elective	3
EDU 360		3	
23		15	

Fourth Year

Fall	Hours	Spring	Hours
SPAN 470 (or SPAN Elective)		3 EDU 489	3
SPAN Elective (300/400 level)		3 SEC 490	10
SPAN Elective (300/400 level)		3	
MLNG 474		3	
General Elective		3	
15		13	

Total Hours 126**Spanish, Minor (464)****Program Coordinator**

Sonia E. Lenk, sonia.lenk@wku.edu, (270) 745-5906

Program Requirements (30 hours)

The minor in Spanish requires a minimum of 30 semester courses. The following courses must be completed (or equivalent CLEP or AP credit earned) in order to complete requirements for the undergraduate minor in Spanish. No course with a grade of "D" or below may be counted toward this minor.

Code	Title	Hours
Required Core Courses		
SPAN 102	Elementary Spanish II (or equivalent)	3
SPAN 201 & SPAN 202	Intermediate Spanish I and Intermediate Spanish II	6
SPAN 370	Spanish Conversation	3
SPAN 371	Spanish Composition and Grammar	3
SPAN 372	Latin American Civilization and Culture	3
or SPAN 373	Spanish Civilization and Culture	
SPAN 374	Literature and Culture of Spain	3
or SPAN 376	Literature and Culture of Latin America	
Elective Courses		
Select at least three 300- or 400-level Courses ¹		9
Total Hours		30

¹ Elective courses may include among the three courses up to three credit hours of 200- level credit beyond SPAN 201 / SPAN 202 (only if taught in Spanish and taken in sequence).

Department of Music

Dr. Liza Kelly and Dr. Zachary Lopes, Co-Department Chairs

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Website: <http://www.wku.edu/music> (<http://www.wku.edu/music/>)

The Department of Music promotes the study and experience of music in its broadest sense: preparing artist teachers and performers, enhancing creativity and the human spirit, and enriching the quality of life on campus, in the region, and in our global community. Western Kentucky University has been a fully accredited member of the National Association of Schools of Music since 1948.

A large part of the department's mission is the preparation of music teachers and professional musicians. Students with broad musical interests may select a music major or minor within a diversified liberal arts program. Music degree programs provide for the development of basic musicianship through conceptual understanding of musical properties and their interrelationships, relevant opportunities for listening, performing, composing, and scholarship, and the acquisition of a repertory representative of various cultures and historical periods. Competencies in various areas and at varying levels appropriate to each program of music concentration are developed through a sequence of studies and assessments.

General University students may elect certain music courses through the Colonnade Program Requirements. All students from all disciplines may participate in various instrumental and choral ensembles.

Students wishing to pursue a music degree (including double majors) should have pre-college training in their principal or major performing instrument or voice and be able to read music fluently. Basic keyboard ability is helpful but not mandatory. Entering students must audition for admission to the music program to major or minor in music, including diagnostic examinations in theory rudiments (scales, keys, intervals, triads, general notation), music reading, and performance (principal instrument/voice). Deficiencies may be removed through remedial placement except in the case of auditions for the Bachelor of Music in Performance.

When planning a program of study in this department, each student should be aware of the University's academic requirements and regulations contained in this catalog in the chapter "Academic Information." Pay particular attention to the subsections entitled (a) Academic Programs, (b) Colonnade Requirements, and (c) Academic Requirements and Regulations. Some academic programs require additional scholastic regulations and standards not specified in the catalog. Students should contact their advisor for any recent requirement changes not reflected in this catalog. Information for prospective students about life in the Department of Music appears at <http://www.wku.edu/music> (<http://www.wku.edu/music/>). The Department of Music offers majors and a minor as shown in the following sections.

Music Program Fees

Music Majors are assessed a program fee of \$50 each semester. Music Minors are assessed a program fee of \$50 each year.

Applied Music Instruction

Music Majors and Minors take applied lessons as part of their individual degree program. These lessons are one-on-one instruction, typically offered weekly, on the defined performance instrument. An audition demonstrating an appropriate level of skill, reading ability, and knowledge is required prior to enrollment in applied lessons and acceptance as a music major or minor.

Students registering for one credit hour (secondary) receive one half-hour private lesson per week or the equivalent. Those registering for two to three credit hours (principal and major) receive one hour (or its equivalent) of private lessons per week. Placement in subsequent courses after the initial semester in both the principal and major tracks is made on the basis of faculty committee recommendations. Students are expected to practice a minimum of three hours per week for each credit hour received.

Instruction is offered in piano, organ, harpsichord, voice, violin, viola, harp, cello, double bass, guitar, flute, oboe, clarinet, bassoon, saxophone, horn, trumpet, euphonium, trombone, tuba, percussion, composition, and jazz improvisation.

Applied music courses include: MUS 150, MUS 350; MUS 153, MUS 353; MUS 357, MUS 457. See the course descriptions for each course in the catalog.

Degrees

- Music (Liberal Arts), Bachelor of Arts (583) (p. 133)
- Music, Bachelor of Music (593) (p. 136)

Minor

- Music, Minor (423) (p. 143)

Faculty

Professor

Heidi P. Alvarez DM (Music Performance), Florida State University, 1998
 Mark S. Berry DMA (Music Performance, Percussion), University of Michigan-Ann Arbor, 2004
 Terrance D. Brown DMA (Music Education), Louisiana State University Shreveport, 2011
 John M. Cipolla DMA (Music, Music Performance), University North Carolina Greensboro, 2002
 Scott H. Harris DMA (Music), University of Oklahoma Norman, 2003
 Paul L. Hondorp DMA (Music Conducting), Michigan State University, 2003
 Elizabeth H. Kelly DMA (Voice), University of Cincinnati Main Campus, 2008
 Robert W. Pope DMA (Music Performance), University of South Carolina - Columbia, 1992
 Gary T. Schallert DA (Music, Conducting), University of Northern Colorado, 2001

Associate Professor

Ching-Yi Lin DM (Violin), Indiana University-Bloomington, 2010
 Zachary A. Lopes DMA (Piano), University of Cincinnati Main Campus, 2013
 Brian A. St John DMA (Conducting), Arizona State University-ALL, 2010

Assistant Professor

Sarah Herbert DMA (Musical Arts), University of Cincinnati Main Campus, 2017
 Matthew J. Herman DMA (Music Composition), Temple University, 2003
 Lauren E. Whitham DMA (Music), University of Georgia, 2017
 Catherine M. Wilson PhD (Music), University of Iowa, 2013

Visiting Assistant Professor

Jason K. Rosenholtz-Witt PhD (Music), Northwestern University, 2020

Pedagogical Assistant Professor

Matthew J. McCurry DMA (Musical Arts), West Virginia University, 2019
 Jessica L. Welsh DMA (Piano Pedagogy), Texas Christian University, 2021

Instructor I

Sarah G. Berry MM (Music), Rice University, 2003
 Tiffany I. Brown DMA (Music), Louisiana State University & A&M College, 2011
 David K. Humphreys MM (Instrumental Performance), Oklahoma State University Main Campus, 2017

Instructor II

John E. Martin MM (Music), Austin Peay State University, 1995

Music (Liberal Arts), Bachelor of Arts (583)

Program Coordinator

John E. Martin, john.martin@wku.edu, (270) 745-6890

The Bachelor of Arts, major in Music, is a Liberal Arts degree that allows for a strong liberal arts education with a non-professional emphasis in music that can be combined with other fields of study such as: advertising, art, business, communications, English, foreign languages, history, journalism, marketing, philosophy, psychology, religion, and sciences. WKU students earning this degree have moved on to graduate study in Music (history, theory/composition, performance), Performing Arts Management, medical school, retail and banking positions, and

university staff positions in admissions, graduate studies, development, and alumni relations.

Concentrations

- Music Extended (MUSE)
- Music General (MUMM)

Program Requirements (36-48 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major in music (liberal arts) requires 36-48 hours of music (at least 18-24 of these must be at the upper-division 300- & 400-level) and leads to the Bachelor of Arts degree. The 36 hour Music-General program requires a second major or minor. The 48 hour Music-Extended program does not require a second major or minor. No music course with a grade below a "C" may be counted toward this major.

Requirements for Both Concentrations¹

Code	Title	Hours
Music Theory and Literature		
MUS 100	Theory I	2
MUS 101	Theory II	2
MUS 200	Theory III	2
MUS 201	Theory IV	2
MUS 110	Aural Theory I	1
MUS 111	Aural Theory II	1
MUS 210	Aural Theory III	1
MUS 211	Aural Theory IV	1
MUS 326	The History of Music I	3
MUS 327	The History of Music II	3
Conducting		
MUS 317	Conducting I	2
Ensembles		
6 semesters of appropriate major ensembles		6
Performance Attendance		
MUS 155	Performance Attendance (6 semesters)	0
Total Hours		26

¹ *Colonnade Program:* Students must take PHYS 130 and fulfill the University's World Language Requirement.
Electives: Select electives as needed to meet the 120 hour degree minimum.

Additional Requirements Specific to the Music-Extended (48 hour) Program

Code	Title	Hours
Applied Music		
MUS 153	Applied Music Principal (4 semesters)	8
MUS 353	Applied Music Principal (2 semesters)	4
MUS 160	Group Piano I ¹	1
MUS 161	Group Piano II ¹	1
Music Electives		
8 hours selected from Theory/Composition, History/Literature, ensembles, applied lessons, conducting, methods, or techniques.		8
Total Hours		22

¹ Students whose major/principal instrument is piano may substitute MUS 360 in place of group piano (MUS 160, MUS 161).

Additional Requirements Specific to the Music-General (36 hour) Program

Code	Title	Hours
Applied Music		
MUS 153	Applied Music Principal (2 semesters)	4
MUS 350	Applied Music Secondary (4 semesters)	4
MUS 160	Group Piano I ¹	1
MUS 161	Group Piano II ¹	1
Second Major or Minor		
Courses and credit hours as defined by that program		
Total Hours		10

¹ Students whose major/principal instrument is piano may substitute MUS 360 in place of group piano (MUS 160, MUS 161).

Additional Baccalaureate Degree Requirements for ALL Music Programs

- Applied Study:** Students pursuing the Bachelor of Music or Bachelor of Arts degree are required to enroll for private instruction in their principal or major instrument or voice and an appropriate major ensemble during each semester until requirements have been fulfilled.
- Recital Performance:** Students matriculating for the Bachelor of Music (music education concentration) must perform on Friday recital labs at least one time in each of their last four semesters of applied study. Music education majors may perform a portion of a junior and/or senior recital in lieu of the recital lab performance requirement if approved by the appropriate applied music jury in the semester prior to the anticipated performance date. Students matriculating for the Bachelor of Music (performance concentration) must perform recitals as required by that degree program.
- Piano Proficiency:** All students pursuing a Bachelor of Music degree are required to pass a piano proficiency examination or complete the fourth semester of group piano. Students pursuing a Bachelor of Arts in Music are required to pass a piano proficiency examination or complete the second semester of group piano.

4. Ensemble Requirements:

Bachelor of Arts: Students are required to participate in one major ensemble appropriate to their applied principal area for each semester for a total of 6 semesters.

Bachelor of Music: Performance concentration students are required to participate in an appropriate major ensemble each semester for a total of 8 semesters and complete 2 semesters of elective ensembles.

Bachelor of Music: Music Education concentration students are required to participate in an appropriate major ensemble each semester for a total of 7 semesters, excluding the semester in which student teaching is undertaken. Two semesters of ensembles in the opposite performance area are required for the integrated track.

Required Major Ensembles (linked to applied principal / major and degree program):

- Winds and Percussion: Concert Band, Symphonic Band, Wind Ensemble or Marching Band (Marching Band is required for wind/percussion Music Education majors in the Fall until the 2 semester requirement is met).
 - Voice: Chorale, Choral Society, or University Singers
 - Piano and Organ: Must declare and maintain Instrumental or Vocal status for the purpose of determining ensemble requirements
 - Guitar: Guitar Ensemble (for AB and Music Performance degrees). Guitarists on the Music Education Track must declare and maintain Instrumental or Vocal status for the purpose of determining major ensemble requirements and fulfill 7 semesters in that major ensemble category.
 - Strings: University Orchestra
 - Opposite Area (vocal) ensembles are Chorale, Choral Society, University Singers, Men's Chorus, and Women's Chorus. At least one of the 2 required Opposite Area ensembles must be an SATB chorus.
 - Opposite area (instrumental) ensembles are Orchestra, Marching Band, Wind Ensemble, Symphonic Band, and Concert Band.
- Concert and Recital Attendance:** Students majoring in music are required to attend 14 departmental and university-sponsored recitals and concerts each semester for a total of 6 to 8 semesters, as defined by the degree. Students register for MUS 155 to meet this requirement. The course is graded as pass/fail at the end of each semester.
 - Semester Juries and Capstone:** Students majoring in music are required to perform for a jury panel at the end of each semester of Applied Study. A Capstone Project is required in the final semester of Applied Study (performance majors may elect to present their Capstone Project in the 7th semester).
 - Revisions of Requirements, Policies, and Regulations:** The Department of Music updates the Student Handbook each year, and it can be found at <http://www.wku.edu/music> (<http://www.wku.edu/music/>).

Finish in Four Plan - Music, Extended Concentration (583)

First Year			
Fall	Hours	Spring	Hours
MUS 100		2 MUS 101	2
MUS 110		1 MUS 111	1

MUS 153	2	MUS 153	2
MUS 155	0	MUS 155	0
MUS 160	1	MUS 161	1
Ensemble (MAJOR)	1	Ensemble (MAJOR)	1
MUS 379 (Studio Ensemble)	1	Colonnade: Social & Behavioral Science (E-SB)	3
MUS 120 (for majors, E-SB)	3	MATH 109 (F-QR)	3
ENG 100 (F-W1)	3	COMM 145 (F-OC)	3
2nd Major/Minor/ Elective Course	3		
16		16	

Second Year

Fall	Hours	Spring	Hours
MUS 200		2 MUS 201	2
MUS 210		1 MUS 211	1
MUS 153		2 MUS 153	2
MUS 155		0 MUS 155	0
Ensemble (Major)		1 Ensemble (MAJOR)	1
MUS 379 (Studio Ensemble)		1 Elective MUS Course/ Ensemble(s)	3
MUS 326		3 MUS 327 (K-SC)	3
ENG 200 (F-W2)		3 100-200 Minor or Elective Course	3
PHYS 130 (E-NS, SL)		3	
15		15	

Third Year

Fall	Hours	Spring	Hours
MUS 353		2 MUS 353	2
MUS 155		0 MUS 155	0
MUS 317		2 Ensemble (MAJOR)	1
Ensemble (MAJOR)		1 Elective MUS Course/ Ensemble(s)	3
Elective MUS Course/ Ensemble(s)		1 HIST 101 or HIST 102 (F-SB)	3
100/200 Minor or Elective Course		3 Colonnade: Natural & Physical Science (E-NS)	3
100/200 Minor or Elective Course		3 ENG 300 (F-W2)	3
100/200 Minor or Elective Course		3	
15		15	

Fourth Year

Fall	Hours	Spring	Hours
Colonnade: Connections (Systems) (K-SY)		3 Elective MUS Course/ Ensemble(s)	2
Colonnade: Connections (Local to Global) (K-LG)		3 300/400 Minor or Elective Course	3
300/400 Minor or Elective Course		3 300/400 Minor or Elective Course	3
300/400 Minor or Elective Course		3 300/400 Minor or Elective Course	3
Elective MUS Course/ Ensemble(s)		2 300/400 Minor or Elective Course	3
14		14	

Total Hours 120**Finish in Four Plan - Music, General Concentration (583)****First Year**

Fall	Hours	Spring	Hours
MUS 100		2 MUS 101	2
MUS 110		1 MUS 111	1
MUS 153		2 MUS 153	2
MUS 155		0 MUS 155	0
MUS 160		1 MUS 161	1
Ensemble (MAJOR)		1 Ensemble (MAJOR)	1
MUS 379 (Studio Ensemble)		1 Colonnade: Social & Behavioral Science (E-SB)	3
MUS 120 (for majors, E-SB)		3 MATH 109 (F-QR)	3
ENG 100 (F-W1)		3 COMM 145 (F-OC)	3
2nd Major/Minor/ Elective Course		3	
16		16	

Second Year

Fall	Hours	Spring	Hours
MUS 200		2 MUS 201	2
MUS 210		1 MUS 211	1
MUS 350		1 MUS 350	1
MUS 155		0 MUS 155	0
Ensemble (Major)		1 Ensemble (MAJOR)	1
MUS 379 (Studio Ensemble)		1 MUS 327 (K-SC)	3
MUS 326		3 2nd Major/Minor/ Elective Course	3
ENG 200 (F-W2)		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3	
2nd Major/Minor/ Elective Course		3	
17		14	

Third Year

Fall	Hours	Spring	Hours
MUS 350		1 MUS 350	1
MUS 155		0 MUS 155	0
Ensemble (MAJOR)		1 Ensemble (MAJOR)	1
MUS 317		2 ENG 300 (F-W2)	3
HIST 101 or HIST 102 (F-SB)		3 Colonnade: Natural & Physical Science (E-NS)	3
PHYS 130		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3	
16		14	

Fourth Year

Fall	Hours	Spring	Hours
Colonnade: Connections (Systems) (K-SY)		3 2nd Major/Minor/ Elective Course	3
Colonnade: Connections (Local to Global) (K-LG)		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3

2nd Major/Minor/ Elective Course	3	
	15	12
Total Hours 120		

Music, Bachelor of Music (593)

Program Coordinator

Scott H. Harris, scott.harris@wku.edu, (270) 745-5919

The Bachelor of Music is a professional degree with concentrations in Music Education and Performance. The performance concentration provides preparation for graduate study in music performance as well as preparing for careers as college studio teachers and/or professional performers as soloists or members of professional ensembles: opera, chorus, chamber ensemble, orchestra, band, service groups. The music education concentration provides preparation for Music Teacher Certification and graduate study. Students earning this degree are preparing for careers as public/private school teachers, private studio teachers, and/or pursuing additional study at the graduate level.

Concentrations

- Music ED-Instrumental P-12 (MUED)
- Music ED-Vocal P-12 (MUEV)
- Music ED-Integrated P-12 (MUIN)
- Vocal Performance (MUP1)
- Instrumental Performance (MUP2)

Program Requirements (69-74 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Requirements for the Music Education Concentration ALL Tracks (Integrated, Vocal & Instrumental)

The Music Education Concentration offers tracks leading to three distinct teaching certifications: Integrated track (instrumental or vocal focus) which leads to certification for Teaching Music P-12 and requires 74 hours in music; Instrumental track which leads to certification for Teaching Instrumental Music P-12 and requires 69 hours in music; Vocal track that leads to certification for Teaching Vocal Music P-12 and requires 69 hours in music. All tracks require 25 hours in professional education and certain additional classes prescribed within the general education component. No minor or second major is required. No music course (MUS) with a grade below a "C" may be counted toward this major. Note: each track has additional requirements (see listings below)

Code	Title	Hours
Music Theory and Literature		
MUS 100	Theory I	2
MUS 101	Theory II	2
MUS 200	Theory III	2

MUS 201	Theory IV	2
MUS 110	Aural Theory I	1
MUS 111	Aural Theory II	1
MUS 210	Aural Theory III	1
MUS 211	Aural Theory IV	1
MUS 304	Form and Analysis	2
MUS 326	The History of Music I	3
MUS 327	The History of Music II	3

Applied Music

MUS 153	Applied Music Principal (4 semesters)	8
MUS 353	Applied Music Principal (3 semesters)	6

Group Piano

MUS 160	Group Piano I ¹	1
MUS 161	Group Piano II ¹	1
MUS 260	Group Piano III ¹	1
MUS 261	Group Piano IV ¹	1

Performance Attendance

MUS 155	Performance Attendance (7 semesters)	0
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Conducting

MUS 317	Conducting I	2
MUS 318	Conducting II	2

Ensembles

7 semesters of appropriate major ensembles	7
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Music Education

MUS 214	String Techniques	1
MUS 312	Teaching Music in the Primary Grades	3
MUS 412	Teaching Music in the Middle School	3

Total Hours	56
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¹ Students whose major/principal instrument is piano may substitute MUS 360 in place of group piano (MUS 160, MUS 161, MUS 260, MUS 261).

Professional Education Requirements

Code	Title	Hours
EDU 250	Discover Teaching: Introduction to Teacher Education	3
PSY 310	Educational Psychology: Development and Learning	3
EDU 350	Student Diversity and Differentiation	3
EDU 360	Behavior and Classroom Management in Education	3
EDU 489	Student Teaching Seminar	2,3
ELED 490	Student Teaching	5
MGE/SEC 490	Student Teaching	5
Total Hours		24-25

Additional Requirements Specific to the Music Education Concentration INTEGRATED Track

Code	Title	Hours
Music Theory		
MUS 405 or MUS 407	Choral Arranging Orchestration and Band Arranging	3
Applied Music		
MUS 152 or MUS 162	Diction I for Voice Majors Group Voice	1
Music Education		
MUS 215	Brass Techniques	1
MUS 315	Clarinet and Saxophone Techniques	1
MUS 316	Flute and Double Reed Techniques	1
MUS 319	Percussion Techniques	1
MUS 415	Choral Methods	3
MUS 416	Instrumental Methods	3
MUS 414 or MUS 417	Choral Materials Marching Band Techniques	2
Ensembles		
2 "opposite area" ensembles (see Additional Baccalaureate Degree Requirements)		2
Total Hours		18

Additional Requirements Specific to the Music Education Concentration VOCAL Track

Code	Title	Hours
Music Theory		
MUS 405	Choral Arranging	3
Applied Music		
MUS 152	Diction I for Voice Majors	1
MUS 252	Diction II for Voice Majors	1
MUS 166	Group Guitar I	1
MUS 360	Accompanying	1
Music Education		
MUS 414	Choral Materials	2
MUS 415	Choral Methods	3
Select one of the following guided elective techniques courses:		1
MUS 215	Brass Techniques	
MUS 315	Clarinet and Saxophone Techniques	
MUS 316	Flute and Double Reed Techniques	
MUS 319	Percussion Techniques	
Total Hours		13

Additional Requirements Specific to the Music Education Concentration INSTRUMENTAL Track

Code	Title	Hours
Music Theory		
MUS 407	Orchestration and Band Arranging	3
Voice		
MUS 162	Group Voice	1
Music Education		
MUS 215	Brass Techniques	1

MUS 315	Clarinet and Saxophone Techniques	1
MUS 316	Flute and Double Reed Techniques	1
MUS 319	Percussion Techniques	1
MUS 416	Instrumental Methods	3
MUS 417	Marching Band Techniques	2
Total Hours		13

Requirements for Bachelor of Music – Performance Concentration¹

The performance concentration has both an instrumental and a vocal track and leads to the Bachelor of Music degree. The instrumental track requires 69 hours in music. The vocal track requires two additional courses in Diction – MUS 152 and MUS 252 – for 71 hours in music. No minor or second major is required. The performance concentration is available in voice, piano, organ, classical guitar, and many standard band and orchestral instruments. No music course with a grade below "C" may be counted toward this major.

Code	Title	Hours
Music Theory and Literature		
MUS 100	Theory I	2
MUS 101	Theory II	2
MUS 200	Theory III	2
MUS 201	Theory IV	2
MUS 110	Aural Theory I	1
MUS 111	Aural Theory II	1
MUS 210	Aural Theory III	1
MUS 211	Aural Theory IV	1
MUS 304	Form and Analysis	2
MUS 326	The History of Music I	3
MUS 327	The History of Music II	3
MUS 430	Music Literature	3
Theory/Composition Electives		
Select one of the following:		3
MUS 400	Advanced Music Theory	
MUS 405	Choral Arranging	
MUS 407	Orchestration and Band Arranging	
Applied Music		
MUS 153	Applied Music Principal (4 semesters)	8
MUS 357	Applied Music Major (2 semesters)	6
MUS 338	DIR Independent Study (Junior Recital)	1
MUS 457	Applied Music Major (2 semesters)	6
MUS 338	DIR Independent Study (Senior Recital)	1
Group Piano		
MUS 160	Group Piano I ²	1
MUS 161	Group Piano II ²	1
MUS 260	Group Piano III ²	1
MUS 261	Group Piano IV ²	1

Performance Attendance

MUS 155	Performance Attendance (8 semesters)	0
Pedagogy		
MUS 310	Pedagogy for Performance Majors	3
Vocal Track Only		
MUS 152	Diction I for Voice Majors	1
MUS 252	Diction II for Voice Majors	1
Conducting		
MUS 317	Conducting I	2
Ensembles		
8 semesters of appropriate major ensembles		8
4 semesters of appropriate chamber ensembles		4
MUS 371	Jazz Ensemble	
MUS 374	Opera Theatre	
MUS 379	Chamber Music	
Total Hours		71

- ¹ *General Electives:* Select 14 hours (12 must be in music/MUS; chamber music is strongly recommended).
Colonnade Program: Students are required to take PHYS 130 and fulfill the University's World Language Proficiency Requirement in one of the following languages: French, German, or Italian.
- ² Students whose major/principal instrument is piano may substitute MUS 360 in place of group piano (MUS 160, MUS 161, MUS 260, MUS 261).

Additional Baccalaureate Degree Requirements for ALL Music Programs

- Applied Study:** Students pursuing the Bachelor of Music or Bachelor of Arts degree are required to enroll for private instruction in their principal or major instrument or voice and an appropriate major ensemble during each semester until requirements have been fulfilled.
- Recital Performance:** Students matriculating for the Bachelor of Music (music education concentration) must perform on Friday recital labs at least one time in each of their last four semesters of applied study. Music education majors may perform a portion of a junior and/or senior recital in lieu of the recital lab performance requirement if approved by the appropriate applied music jury in the semester prior to the anticipated performance date. Students matriculating for the Bachelor of Music (performance concentration) must perform recitals as required by that degree program.
- Piano Proficiency:** All students pursuing a Bachelor of Music degree are required to pass a piano proficiency examination or complete the fourth semester of group piano. Students pursuing a Bachelor of Arts in Music are required to pass a piano proficiency examination or complete the second semester of group piano.
- Ensemble Requirements:**

Bachelor of Arts: Students are required to participate in one major ensemble appropriate to their applied principal area for each semester for a total of 6 semesters.

Bachelor of Music: Performance concentration students are required to participate in an appropriate major ensemble each semester for a total of 8 semesters and complete 2 semesters of elective ensembles.

Bachelor of Music: Music Education concentration students are required to participate in an appropriate major ensemble each semester for a total of 7 semesters, excluding the semester in which student teaching is undertaken. Two semesters of ensembles in the opposite performance area are required for the integrated track.

Required Major Ensembles (linked to applied principal / major and degree program):

- Winds and Percussion: Concert Band, Symphonic Band, Wind Ensemble or Marching Band (Marching Band is required for wind/percussion Music Education majors in the Fall until the 2 semester requirement is met).
 - Voice: Chorale, Choral Society, or University Singers
 - Piano and Organ: Must declare and maintain Instrumental or Vocal status for the purpose of determining ensemble requirements
 - Guitar: Guitar Ensemble (for AB and Music Performance degrees). Guitarists on the Music Education Track must declare and maintain Instrumental or Vocal status for the purpose of determining major ensemble requirements and fulfill 7 semesters in that major ensemble category.
 - Strings: University Orchestra
 - Opposite Area (vocal) ensembles are Chorale, Choral Society, University Singers, Men's Chorus, and Women's Chorus. At least one of the 2 required Opposite Area ensembles must be an SATB chorus.
 - Opposite area (instrumental) ensembles are Orchestra, Marching Band, Wind Ensemble, Symphonic Band, and Concert Band.
- Concert and Recital Attendance:** Students majoring in music are required to attend 14 departmental and university-sponsored recitals and concerts each semester for a total of 6 to 8 semesters, as defined by the degree. Students register for MUS 155 to meet this requirement. The course is graded as pass/fail at the end of each semester.
 - Semester Juries and Capstone:** Students majoring in music are required to perform for a jury panel at the end of each semester of Applied Study. A Capstone Project is required in the final semester of Applied Study (performance majors may elect to present their Capstone Project in the 7th semester).
 - Revisions of Requirements, Policies, and Regulations:** The Department of Music updates the Student Handbook each year, and it can be found at <http://www.wku.edu/music> ([http://www.wku.edu/](http://www.wku.edu/music/)music/).

Finish in Four Plans

The Bachelor of Music degree has two concentrations: music education and performance.

Finish in Four Plan - Music Education, Instrumental Track - Strings

First Year			
Fall	Hours	Spring	Hours
MUS 100		2 MUS 101	2
MUS 110		1 MUS 111	1
MUS 153		2 MUS 153	2
MUS 155		0 MUS 155	0
MUS 160		1 MUS 161	1
MUS 344		1 MUS 344	1
MUS 379 (Studio Ensemble)		1 MUS 162	1

MUS 120 (for majors E-AH)	3 PSY 100 (E-SB)	3
ENG 100 (F-W1)	3 EDU 250	3
COMM 145 (F-OC)	3 MATH 109 (F-QR)	3
16		17

Second Year			
Fall	Hours	Spring	Hours
MUS 200		2 MUS 201	2
MUS 210		1 MUS 211	1
MUS 153		2 MUS 153	2
MUS 155		0 MUS 155	0
MUS 260		1 MUS 261	1
MUS 214		1 MUS 215	1
MUS 344		1 MUS 344	1
MUS 326		3 MUS 327 (K-SC)	3
ENG 200 (F-AH)		3 PHYS 130 (E-NS, SL)	3
HIST 101 or HIST 102 (F-SB)		3 PSY 310	3
17		17	

Third Year			
Fall	Hours	Spring	Hours
MUS 353		2 MUS 353	2
MUS 155		0 MUS 155	0
MUS 317		2 MUS 318	2
MUS 312		3 MUS 412	3
MUS 316		1 MUS 416	3
MUS 304		2 MUS 315	1
MUS 344		1 MUS 344	1
ENG 300 (F-W2)		3 Colonnade: Connections (Local to Global) (K-LG)	3
EDU 350		3	
17		15	

Fourth Year			
Fall	Hours	Spring	Hours
MUS 353		2 EDU 489	2-3
MUS 155		0 SEC 490 or MGE 490	5-10
MUS 319		1 ELED 490	5-10
MUS 407		3	
MUS 344		1	
MUS 338		1-3	
Colonnade: Natural & Physical Science (E-NS)		3	
Colonnade: Connections (Systems) (K-SY)		3	
EDU 360		3	
18		13	

Total Hours 130

Finish in Four Plan - Music Education, Instrumental Track - Winds & Percussion

First Year			
Fall	Hours	Spring	Hours
MUS 100		2 MUS 101	2
MUS 110		1 MUS 111	1
MUS 153		2 MUS 153	2
MUS 155		0 MUS 155	0
MUS 160		1 MUS 161	1
MUS 347		1-2 MUS 348	1
MUS 379 (Studio Ensemble)		1 EDU 250	3

ENG 100 (F-W1)	3 MUS 162	1
MUS 120 (for majors E-AH)	3 PSY 100 (E-SB)	3
COMM 145 (F-OC)	3 MATH 109 (F-QR)	3
16		17

Second Year			
Fall	Hours	Spring	Hours
MUS 200		2 MUS 201	2
MUS 210		1 MUS 211	1
MUS 153		2 MUS 153	2
MUS 155		0 MUS 155	0
MUS 260		1 MUS 261	1
MUS 214		1 MUS 215	1
MUS 347		1-2 MUS 348	1
MUS 326		3 MUS 327 (K-SC)	3
ENG 200 (F-AH)		3 PHYS 130 (E-NS, SL)	3
HIST 101 or HIST 102 (F-SB)		3 PSY 310	3
17		17	

Third Year			
Fall	Hours	Spring	Hours
MUS 353		2 MUS 353	2
MUS 155		0 MUS 155	0
MUS 312		3 MUS 412	3
MUS 317		2 MUS 318	2
MUS 316		1 MUS 315	1
MUS 347 or MUS 348		1-2 MUS 348	1
MUS 304		2 MUS 416	3
EDU 350		3 Colonnade: Connections (Local to Global) (K-LG)	3
ENG 300 (F-W2)		3	
17		15	

Fourth Year			
Fall	Hours	Spring	Hours
MUS 353		2 EDU 489	2-3
MUS 155		0 SEC 490 or MGE 490	5-10
MUS 319		1 ELED 490	5-10
MUS 417		2	
MUS 407		3	
MUS 347 or MUS 348		1-2	
Colonnade: Natural & Physical Science (E-NS)		3	
Colonnade: Connections (Systems) (K-SY)		3	
EDU 360		3	
18		13	

Total Hours 130

Finish in Four Plan - Music Education, Vocal Track

First Year			
Fall	Hours	Spring	Hours
MUS 100		2 MUS 101	2
MUS 110		1 MUS 111	1
MUS 153		2 MUS 153	2
MUS 155		0 MUS 155	0
MUS 160		1 MUS 161	1
MUS 152		1 MUS 252	1
MUS 340		1 MUS 340	1
MUS 370 (Chamber Choir)		1 MUS 370	1

MUS 120 (for majors E-AH)	3	MATH 109 (F-QR)	3
ENG 100 (F-W1)	3	PSY 100 (E-SB)	3
COMM 145	3	EDU 250	3
17		17	

Second Year			
Fall	Hours	Spring	Hours
MUS 200		2 MUS 201	2
MUS 210		1 MUS 211	1
MUS 153		2 MUS 153	2
MUS 155		0 MUS 155	0
MUS 260		1 MUS 261	1
MUS 214		1 MUS 215	1
MUS 326		3 MUS 327 (K-SC)	3
MUS 340		1 MUS 340	1
MUS 166		1 PSY 310	3
HIST 101 or HIST 102 (F-SB)		3 ENG 200 (F-AH)	3
15		17	

Third Year			
Fall	Hours	Spring	Hours
MUS 353		2 MUS 353	2
MUS 155		0 MUS 155	0
MUS 317		2 MUS 318	2
MUS 312		3 MUS 415	3
MUS 340		1 MUS 340	1
MUS 304		2 MUS 405	3
MUS 360		1 MUS 412	3
EDU 350		3 Colonnade: Connections (Local to Global) (K-LG)	3
ENG 300 (F-W2)	3		
17		17	

Fourth Year			
Fall	Hours	Spring	Hours
MUS 353		2 EDU 489	2-3
MUS 155		0 SEC 490 or MGE 490	5-10
MUS 414		2 ELED 490	5-10
MUS 340	1		
Colonnade: Natural & Physical Science (E-NS)	3		
Colonnade: Connections (Systems) (K-SY)	3		
PHYS 130 (E-NS)	3		
EDU 360	3		
17		13	

Total Hours 130

Finish in Four Plan - Music Education, Integrated Track - Vocal

First Year			
Fall	Hours	Spring	Hours
MUS 100		2 MUS 101	2
MUS 110		1 MUS 111	1
MUS 153		2 MUS 153	2
MUS 155		0 MUS 155	0
MUS 160		1 MUS 161	1
MUS 152		1 MUS 252 (Diction II)	1
MUS 340		1 MUS 340	1
MUS 370 (Chamber Choir)		1 MATH 109 (F-QR)	3

MUS 120 (for majors E-AH)	3	PSY 100 (E-SB)	3
ENG 100 (F-W1)	3	EDU 250	3
15		17	

Second Year			
Fall	Hours	Spring	Hours
MUS 200		2 MUS 201	2
MUS 210		1 MUS 211	1
MUS 153		2 MUS 153	2
MUS 155		0 MUS 155	0
MUS 260		1 MUS 261	1
MUS 214		1 MUS 215	1
MUS 326		3 MUS 327 (K-SC)	3
MUS 340		1 MUS 340	1
MUS 379 (Studio Ensemble)		1 PHYS 130 (E-NS, SL)	3
HIST 101 or HIST 102 (F-SB)		3 PSY 310	3
ENG 200 (F-AH)		3 MUS 348	1
17		18	

Third Year			
Fall	Hours	Spring	Hours
MUS 353		2 MUS 353	2
MUS 155		0 MUS 155	0
MUS 317		2 MUS 318	2
MUS 312		3 MUS 415	3
MUS 316		1 MUS 416	3
MUS 304		2 MUS 315	1
MUS 340		1 MUS 340	1
ENG 300 (F-W2)		3 MUS 412	3
EDU 350		3 MUS 405	3
17		18	

Fourth Year			
Fall	Hours	Spring	Hours
MUS 353		2 EDU 489	2-3
MUS 155		0 SEC 490 or MGE 490	5-10
MUS 319		1 ELED 490	5-10
MUS 340	1		
MUS 414	2		
Colonnade: Natural & Physical Science (E-NS)	3		
Colonnade: Connections (Local to Global) (K-LG)	3		
Colonnade: Connections (Systems) (K-SY)	3		
EDU 360	3		
18		13	

Total Hours 133

Finish in Four Plan - Music Education, Integrated Track - Strings

First Year			
Fall	Hours	Spring	Hours
MUS 100		2 MUS 101	2
MUS 110		1 MUS 111	1
MUS 153		2 MUS 153	2
MUS 155		0 MUS 155	0
MUS 160		1 MUS 161	1
MUS 344		1 MUS 344	1

MUS 379 (Studio Ensemble)	1	MUS 162	1
MUS 120 (for majors E-AH)	3	PSY 100 (E-SB)	3
ENG 100 (F-W1)	3	EDU 250	3
COMM 145 (F-OC)	3	MATH 109 (F-QR)	3
16		17	

Second Year			
Fall	Hours	Spring	Hours
MUS 200		2 MUS 201	2
MUS 210		1 MUS 211	1
MUS 153		2 MUS 153	2
MUS 155		0 MUS 155	0
MUS 260		1 MUS 261	1
MUS 214		1 MUS 215	1
MUS 344		1 MUS 344	1
MUS 340		1 MUS 340	1
MUS 326		3 MUS 327 (K-SC)	3
ENG 200 (F-AH)		3 PHYS 130 (E-NS, SL)	3
HIST 101 or HIST 102 (F-SB)		3 PSY 310	3
18		18	

Third Year			
Fall	Hours	Spring	Hours
MUS 353		2 MUS 353	2
MUS 155		0 MUS 155	0
MUS 317		2 MUS 318	2
MUS 344		1 MUS 344	1
MUS 316		1 MUS 315	1
MUS 304		2 MUS 415	3
MUS 312		3 MUS 412	3
ENG 300 (F-W2)		3 MUS 416	3
EDU 350		3 Colonnade: Connections (Local to Global) (K-LG)	3
17		18	

Fourth Year			
Fall	Hours	Spring	Hours
MUS 353		2 EDU 489	2-3
MUS 155		0 SEC 490 or MGE 490	5-10
MUS 319		1 ELED 490	5-10
MUS 338		1-3	
MUS 407		3	
MUS 344		1	
Colonnade: Connections (Systems) (K-SY)		3	
Colonnade: Natural & Physical Science (E-NS)		3	
EDU 360		3	
18		13	

Total Hours 135

Finish in Four Plan - Music Education, Integrated Track - Winds & Percussion

First Year			
Fall	Hours	Spring	Hours
MUS 100		2 MUS 101	2
MUS 110		1 MUS 111	1
MUS 153		2 MUS 153	2
MUS 155		0 MUS 155	0
MUS 160		1 MUS 161	1

MUS 347	1-2	MUS 348	1
MUS 379 (Studio Ensemble)	1	MUS 162	1
MUS 120 (for majors E-AH)	3	MATH 109 (F-QR)	3
ENG 100 (F-W1)	3	PSY 100 (E-SB)	3
COMM 145 (F-OC)	3	EDU 250	3
16		17	

Second Year			
Fall	Hours	Spring	Hours
MUS 200		2 MUS 201	2
MUS 210		1 MUS 211	1
MUS 153		2 MUS 153	2
MUS 155		0 MUS 155	0
MUS 260		1 MUS 261	1
MUS 347	1-2	MUS 348	1
MUS 326		3 MUS 327 (K-SC)	3
MUS 340		1 MUS 340	1
MUS 214		1 MUS 215	1
HIST 101 or HIST 102 (F-SB)		3 PSY 310	3
ENG 200 (F-AH)		3 PHYS 130 (E-NS, SL)	3
18		18	

Third Year			
Fall	Hours	Spring	Hours
MUS 353		2 MUS 353	2
MUS 155		0 MUS 155	0
MUS 317		2 MUS 318	2
MUS 347 or MUS 348	1-2	MUS 348	1
MUS 316		1 MUS 315	1
MUS 304		2 MUS 412	3
MUS 312		3 MUS 415	3
ENG 300 (F-W2)		3 MUS 416	3
EDU 350		3 Colonnade: Connections (Local to Global) (K-LG)	3
17		18	

Fourth Year			
Fall	Hours	Spring	Hours
MUS 353		2 EDU 489	2-3
MUS 155		0 SEC 490 or MGE 490	5-10
MUS 319		1 ELED 490	5-10
MUS 417		2	
MUS 407		3	
MUS 347 or MUS 348	1-2		
Colonnade: Natural & Physical Science (E-NS)		3	
Colonnade: Connections (Systems) (K-SY)		3	
EDU 360		3	
18		13	

Total Hours 135

Finish in Four Plan - Music, Performance - Instrumental

First Year			
Fall	Hours	Spring	Hours
MUS 100		2 MUS 101	2
MUS 110		1 MUS 111	1
MUS 153		2 MUS 153	2
MUS 155		0 MUS 155	0
MUS 160		1 MUS 161	1

Ensemble (MAJOR)	1	Ensemble (MAJOR)	1
(Chamber MUS 371, 374, 379)	1	MATH 109 (F-QR)	3
MUS 120 (for majors E-AH)	3	COMM 145	3
ENG 100 (F-W1)	3	Colonnade: Social & Behavioral Science (E-SB)	3
	14		16
Second Year			
Fall	Hours	Spring	Hours
MUS 200		2 MUS 201	2
MUS 210		1 MUS 211	1
MUS 153		2 MUS 153	2
MUS 155		0 MUS 155	0
MUS 260		1 MUS 261	1
Ensemble (MAJOR)		1 Ensemble (MAJOR)	1
Ensemble (Chamber MUS 371, 374, 379)		1 MUS 327 (K-SC)	3
MUS 326		3 Elective Course	3
ENG 200 (F-AH)		3 World Language I (Italian, French, German)	3
	14		16
Third Year			
Fall	Hours	Spring	Hours
MUS 357		3 MUS 357	3
MUS 155		0 MUS 155	0
Music Ensemble (Major)		1 Ensemble (MAJOR)	1
MUS 304		2 MUS 338	1-3
MUS 317		2 MUS 310	3
Ensemble (chamber MUS 371, 374, 379)		1 Music Ensemble (chamber MUS 371, 374, 379)	1
Elective Course		3 ENG 300 (F-W1)	3
PHYS 130		3 Theory/Composition Elective (MUS 405) or General Elective	3
	15		15
Fourth Year			
Fall	Hours	Spring	Hours
MUS 457		3 MUS 457	3
MUS 155		0 MUS 155	0
Ensemble (Major)		1 Ensemble (MAJOR)	1
Colonnade: Connections (Systems) (K-SY)		3 MUS 338 (Recital Program)	1-3
Colonnade: Natural & Physical Science (E-NS)		3 MUS 430	3
HIST 101 or HIST 102		3 Colonnade: Connections (Local to Global) (K-LG)	3
Theory (MUS 407) or Elective Course		3 Elective Course	3
	16		14
Total Hours 120			

Finish in Four Plan - Music, Performance - Vocal

First Year			
Fall	Hours	Spring	Hours
MUS 100		2 MUS 101	2
MUS 110		1 MUS 111	1
MUS 153		2 MUS 153	2

MUS 155	0	MUS 155	0
MUS 160	1	MUS 161	1
MUS 152	1	MUS 252	1
Ensemble (MAJOR)	1	Ensemble (MAJOR)	1
Music Ensemble (chamber MUS 371, 374, 379)	1	MATH 109 (F-QR)	3
ENG 100 (F-W1)	3	COMM 145	3
MUS 120 (for majors E-AH)	3	Colonnade: Social & Behavioral Science (E-SB)	3
	15		17
Second Year			
Fall	Hours	Spring	Hours
MUS 200		2 MUS 201	2
MUS 210		1 MUS 211	1
MUS 153		2 MUS 153	2
MUS 155		0 MUS 155	0
MUS 260		1 MUS 261	1
Ensemble (MAJOR)		1 Ensemble (MAJOR)	1
Music Ensemble (chamber MUS 371, 374, 379)		1 MUS 327 (K-SC)	3
MUS 326		3 Elective Course	3
ENG 200 (F-AH)		3 World Language I (Italian, French, German)	3
	14		16
Third Year			
Fall	Hours	Spring	Hours
MUS 357		3 MUS 357	3
MUS 155		0 MUS 155	0
Ensemble (MAJOR)		1 Ensemble (MAJOR)	1
MUS 304		2 MUS 338	1-3
MUS 317		2 MUS 310	3
Elective Course		3 Music Ensemble (chamber MUS 371, 374, 379)	1
PHYS 130		3 Theory/Composition Elective	3
Music Ensemble (chamber MUS 371, 374, 379)		1 ENG 300 (F-W1)	3
	15		15
Fourth Year			
Fall	Hours	Spring	Hours
MUS 457		3 MUS 457	3
MUS 155		0 MUS 155	0
Ensemble (MAJOR)		1 MUS 338 (Recital Program)	1-3
Colonnade: Connections (Systems) (K-SY)		3 Ensemble (MAJOR)	1
Colonnade: Natural & Physical Science (E-NS)		3 MUS 430	3
HIST 101 or HIST 102		3 Colonnade: Connections (Local to Global) (K-LG)	3
Theory (MUS 407) or Elective Course		3 Elective Course	3
	16		14
Total Hours 122			

Music, Minor (423)

Program Requirements (24 hours)

Code	Title	Hours
Music Theory and Literature		
MUS 102	Music Theory I for Non-Majors	3
MUS 103	Music Theory II for Non-Majors	3
MUS 120	Music Appreciation	3
Applied Music		
MUS 150	Applied Music Secondary (1 semester)	1
MUS 350	Applied Music Secondary (2 semesters)	2
Ensembles		
3 semesters of appropriate ensembles		3
Music Electives		
Select 9 hours from other music courses chosen in conjunction with the music minor advisor		9
Total Hours		24

The minor in music requires a minimum of 24 semester hours (at least 12 of these must be at the upper-division 300- & 400-level).

Department of Political Science

Dr. Scott Lasley, Chair

Email: Scott.Lasley@wku.edu

Cherry Hall, Office 300

Phone: (270) 745-4558; **Fax:** (270) 745-2945

Website: <http://www.wku.edu/political-science> (<http://www.wku.edu/political-science/>)

The Department of Political Science offers a Bachelor of Arts degree in five majors; Political Science, International Affairs, Philosophy, Professional Legal Studies, and Legal Studies. In addition, the Department offers an undergraduate certificate in Paralegal Studies, and minors in Political Science and Philosophy.

Departmental curriculum emphasizes core competencies that prepare students for successful careers in the public, private, and non-profit sectors, while serving as excellent preparation for graduate and law school.

Honors Program

The Department of Political Science participates in the Dixie and Peter Mahurin Honors College. Department honors courses allow students of exceptional academic abilities to investigate political phenomena and concepts in a more in-depth manner and to discuss contemporary political issues in small group settings. Honors courses encourage the development of critical thinking skills and analytical writing. Students also have an opportunity to assist faculty with research, present papers at regional and national conferences and/or engage in self-designed research projects. Majors in the Mahurin Honors College can complete their honors thesis in consultation with an advisor. For further information on honors courses and opportunities, contact Professor Scott Lasley, Department of Political Science.

Degrees

- International Affairs, Bachelor of Arts (702) (p. 143)
- Legal Studies, Bachelor of Arts (6001) (p. 145)
- Philosophy, Bachelor of Arts (745) (p. 147)
- Political Science, Bachelor of Arts (686) (p. 149)
- Professional Legal Studies, Bachelor of Arts (6000) (p. 151)

Minor

- Philosophy, Minor (429) (p. 148)
- Political Science, Minor (383) (p. 150)

Certificate

- Paralegal Studies, Certificate (1757) (p. 147)

Faculty

Professor

Craig T. Cobane PhD (Political Science), University of Cincinnati Main Campus, 2003

Jeffrey P. Kash PhD (Political Science), University of Iowa, 2002

Scott J. Lasley PhD (Political Science), University of Iowa, 2000

Timothy S. Rich PhD (Political Science, East Asian Languages), Indiana University-Bloomington, 2012

Michael J. Seidler PhD (Philosophy), Saint Louis University, 1981

Joel F. Turner PhD (Political Science), Florida State University, 2007

Shannon K. Vaughan PhD (Political Science), University of Kentucky, 2004

Associate Professor

Audrey L. Anton PhD, The Ohio State University Main Campus, 2011

Sandra C. Ardrey PhD (Political Science), The Ohio State University Main Campus, 1983

Jeffrey L. Budziak PhD (Political Science), The Ohio State University Main Campus, 2011

Soleiman Kiasatpour PhD (Political Science), University of California-Riverside, 1998

Assistant Professor

Landon D. Elkind PhD (Philosophy), University of Iowa, 2018

Kelsey L. Truxal JD (Law), University of Louisville, 2020

Pedagogical Professor

Julia F. Shadoan JD (Law), DePaul University, 1995

International Affairs, Bachelor of Arts (702)

Program Coordinator

Soleiman Kiasatpour, soleiman.kiasatpour@wku.edu

The International Affairs major is designed to prepare students for success in a global society. It integrates the information, techniques and skills of several disciplines including political science, economics, history, geography, religion, and modern languages to study and understand the complexity of the international environment. Students graduating in international affairs pursue careers in international and public affairs, international business, diplomacy, public service, journalism and international humanitarian work.

Program Requirements (42 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/

registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
Core Courses		
PS 250	International Politics	3
PS 260	Introduction to Comparative Politics	3
PS 357	U S Foreign Policy	3
PS 497	Senior Seminar in International Affairs ¹	3
HIST 102	World History II	3
ECON 202 or ECON 203	Principles of Economics (Micro) Principles of Economics (Macro)	3
GEOG 110	World Regional Geography	3
Additional Courses		
Select 12 additional hours in Political Science: ²		12
PS 299	Contemporary Topics in Political Science	
PS 300	Model Assembly (Seminar)	
PS 301	Using Statistics in Political Science	
PS 303	Politics and Film	
PS 350	Political Terrorism	
PS 352	International Relations of the Middle East	
PS 355	International Organization and Law	
PS 360	Government and Politics of Britain and Canada	
PS 361	Government and Politics of Western Europe	
PS 362	Latin American Government and Politics	
PS 363	Politics of Developing Nations	
PS 365	Government and Politics of the Middle East	
PS 366	Government and Politics in East Asia	
PS 367	Government and Politics of Russia and Eastern Europe	
PS 368	African Government and Politics	
PS 369	Central European Politics	
PS 403	Field Studies in Politics	
PS 405	Washington Internship and Academic Seminars	
PS 407	Directed Studies in Government	
PS 449	International Political Economy	
PS 450	Selected Topics in International Relations	
PS 457	Theories of War and Peace in International Relations	
PS 460	Selected Topics in Comparative Politics	

Electives		
Select 9 hours from the following, with no more than 6 hours from one academic discipline:		9
AFAM 343	Communities of Struggle	
AFAM 350	Peoples and Cultures of Africa	
ANTH 120	Introduction to Cultural Anthropology	
ANTH 340	Peoples and Cultures of Latin America	
ANTH 342	Peoples and Cultures of the Caribbean	
ANTH 350	Peoples and Cultures of Africa	
ANTH 360	Applied Anthropology – Understanding and Addressing Contemporary Human Problems	
ARBC 202	Intermediate Arabic II	
ARBC 306	Experiencing Arabic Abroad	
ARBC 324	Arabic Civilization II	
ARBC 437	Advanced Media Arabic	
ARBC 438	Topics in Arabic Media	
CHIN 202	Intermediate Chinese II	
CHIN 306	Experiencing Chinese Abroad	
CHIN 333	Chinese Culture and Civilization	
CHNF 202	Intensive Intermediate Chinese II	
CHNF 420	Media Chinese	
CHNF 430	Chinese Culture	
COMM 365	Intercultural Communication	
ECON 380	International Economics	
ECON 385	Economic Development	
ECON 496	International Monetary Economics	
FIN 433	Financial Markets and Institutions	
FIN 436	International Financial Management	
FLK 310	Community Traditions & Global Corporate Culture	
FLK 340	Peoples and Cultures of Latin America	
FLK 342	Peoples and Cultures of the Caribbean	
FLK 350	Peoples and Cultures of Africa	
FREN 202	Intermediate French II	
FREN 306	Experiencing French Abroad	
FREN 323	French Civilization and Culture	
FREN 427	Francophone Culture	
GERM 202	Intermediate German II	
GERM 306	Experiencing German Abroad	
GERM 335	Contemporary Culture and Civilization	
GEOG 330	Introduction to Cultural Geography	
GEOG 350	Economic Geography	
GEOG 364	Geography of Europe	
GEOG 385	Climate, Resources, & Society	
GEOG 425	Political Geography	
GEOG 455	Global Climate Change	
GEOG 465	Geography of East Asia	

GEOG 466	Geography of Africa
GEOG 467	Geography of the Middle East
HIST 200	Latin American Society: Past and Present
HIST 299	Introduction to Military History
HIST 324	Modern Britain Since 1688
HIST 331	History of Africa Since 1500
HIST 333	History of Genocide
HIST 335	Twentieth Century Europe
HIST 365	Modern Latin America, 1800-Present
HIST 370	Modern South Asia: from Empires to Nations
HIST 380	Human Rights in History
HIST 425	Modern Germany
HIST 438	Twentieth Century Russia
HIST 439	Rise and Decline of Communism
HIST 461	Modern East Asia
HIST 462	History of the Middle East
HIST 464	Latin America and the United States
HIST 465	The Mexican Republic
HIST 471	Modern China
HIST 472	Modern Japan
HIST 494	U S Military History
MGT 303	International Business
MGT 316	International Management
MKT 324	International Marketing
PLS 375	Comparative Legal Systems
PR 354	International Public Relations
RELS 302	Buddhism
RELS 303	Hinduism
RELS 304	Judaism
RELS 305	Christianity
RELS 306	Islam
RELS 324	Christianity in Africa
SOCL 240	Global Social Problems
SOCL 355	Sociology of Gender
SOCL 363	Population, Society, and Development
SOCL 376	Sociology of Globalization
SPAN 202	Intermediate Spanish II
SPAN 306	Experiencing Spanish Abroad
SPAN 372	Latin American Civilization and Culture
SPAN 373	Spanish Civilization and Culture

Total Hours **42**

¹ Students are advised to take all core courses before enrolling in PS 497.

² Students may also enroll in PS 403, PS 405, or PS 407 for a total of three hours.

Additional baccalaureate degree requirements for students pursuing a major in International Affairs:

- A second major or minor is required.

Students pursuing a degree in international affairs are strongly encouraged to participate in a study abroad program or an international internship experience.

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
PS 250 or PS 260		3 PS 250 or PS 260	3
ENG 100		3 COMM 145	3
HIST 102		3 MATH 109 (or higher)	3
GEOG 110		3 World Language 101	3
Colonnade: Arts & Humanities		3 2nd Major/Minor/ Elective Course	3
		15	15
Second Year			
Fall	Hours	Spring	Hours
Approved PS Elective for IA		3 Approved PS Elective for IA	3
ECON 202 or ECON 203		3 Approved Non-PS Elective for IA	3
ENG 200 (or other approved Literary Studies course)		3 Colonnade: Natural & Physical Sciences ¹	3
World Language 102		3 World Language 201	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
		15	15
Third Year			
Fall	Hours	Spring	Hours
Approved PS Elective for IA		3 PS 357	3
Approved Non-PS Elective for IA		3 Approved PS Elective for IA	3
ENG 300		3 Approved Non-PS Elective for IA ²	3
World Language 202		3 Colonnade: Natural & Physical Sciences ³	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
PS 497		3 Colonnade: Connections (Systems)	3
Approved Non-PS Elective for IA		3 2nd Major/Minor/ Elective Course	3
Colonnade: Connections (Social & Cultural)		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
		15	15
Total Hours 120			

Legal Studies, Bachelor of Arts (6001)

Program Coordinator

Patricia H. Minter, patricia.minter@wku.edu, (270) 745-5098

The Legal Studies program consists of 18 hours of core courses in Political Science, History, and Professional Legal Studies (including a capstone experience), and 18 hours of electives from many disciplines across Western Kentucky University. A second major, minor, or certificate is required.

The program provides students an interdisciplinary perspective while fostering greater understanding of the law as it relates to history, the sciences, and ethics in the United States and around the world. While the program appeals to pre-law students, it also serves as a background for a wide variety of careers, including public administration, academics, government, diplomatic corps, homeland security, non-governmental organizations, and law enforcement.

Legal Studies allows students from many disciplines to focus their studies using their individual disciplinary interests as a launching point for exploring how the study of law cuts across disciplinary lines. It offers courses in a wide range of subjects, including American legal history, political process, constitutional law, philosophy and ethics, sociology and criminal justice, business, journalism and broadcasting, economics and property law, English, and environmental law and regulations.

Program Requirements (36 hours)

Code	Title	Hours
Program Core Courses		
PS 220	Judicial Process	3
PLS 250	Legal Research and Writing I	3
PS 326	Constitutional Law	3
HIST 445	American Legal History to 1865	3
HIST 446	American Legal History Since 1865	3
LS 495	Senior Seminar in Legal Studies	3
Required Ethics course (choose one)		3
BCOM 301	Mass Communication Law and Ethics	
PLS 200	Legal Ethics	
JOUR 301	Press Law and Ethics	
PHIL 350	Ethical Theory	
PS 338	Government and Ethics	
Required International/Comparative Elective course (choose one):		3
PS 355	International Organization and Law	
PLS 375	Comparative Legal Systems	
HIST 380	Human Rights in History	
CRIM 430	Comparative Systems of Juvenile Justice	
CRIM 448	International Justice and Crime	
GEOG 487	Environmental Management and Law	
Required Business Elective (choose one):		3
MGT 200	Legal Environment of Business	
PLS 283	Property Law	
MGT 301	Business Law	
ECON 390	Economics, Law, and Public Choice	
PLS 392	Corporate Law	
ECON 434	The Economics of Poverty and Discrimination	

Required Law and Justice Elective (choose one):		3
PLS 324	Women and the Law	
PS 328	Criminal Justice Procedures	
CRIM 330	Criminology	
CRIM 361	Race, Class, and Crime	
CRIM 432	Sociology of Criminal Law	
CRIM 446	Gender, Crime, and Justice	
PSY 470	Psychology and Law	
Unrestricted Electives (6 hours needed from at least two disciplines.)		6
BCOM 301	Mass Communication Law and Ethics	
CRIM 330	Criminology	
CRIM 332	Juvenile Delinquency	
CRIM 361	Race, Class, and Crime	
CRIM 430	Comparative Systems of Juvenile Justice	
CRIM 432	Sociology of Criminal Law	
CRIM 446	Gender, Crime, and Justice	
CRIM 448	International Justice and Crime	
ECON 390	Economics, Law, and Public Choice	
ECON 434	The Economics of Poverty and Discrimination	
ENG 301	Argument and Analysis in Written Discourse	
ENG 412	Theories of Rhetoric and Persuasive Writing	
GEOG 487	Environmental Management and Law	
JOUR 301	Press Law and Ethics	
HIST 380	Human Rights in History	
HIST 430	History of the Civil Rights Movement in America	
LS 498	Internship in Legal Studies	
MGT 200	Legal Environment of Business	
MGT 301	Business Law	
MGT 400	Employment Law	
PHIL 215	Symbolic Logic	
PHIL 323	Social Ethics	
PHIL 350	Ethical Theory	
PHIL 427	Philosophy of Law	
PLS 200	Legal Ethics	
PLS 283	Property Law	
PLS 324	Women and the Law	
PLS 375	Comparative Legal Systems	
PLS 392	Corporate Law	
PLS 499	Internship in Paralegal Studies	
PSY 470	Psychology and Law	
PS 311	Public Policy	
PS 327	Civil Liberties	
PS 328	Criminal Justice Procedures	
PS 338	Government and Ethics	

PS 355		International Organization and Law	
Total Hours		36	
First Year			
Fall	Hours	Spring	Hours
ENG 100		3 HIST 101 or HIST 102	3
Colonnade: Quantitative Reasoning		3 COMM 145	3
Colonnade: Natural & Physical Sciences with Lab		3 PS 220	3
Colonnade: Social and Behavioral Studies		3 World Language (if needed) or General Elective	3
Colonnade: Arts & Humanities		3 Colonnade: Literary Studies	3
		15	15
Second Year			
Fall	Hours	Spring	Hours
HIST 445		3 HIST 446	3
PLS 250		3 Second Major, Minor, or General Elective Course	3
Colonnade - Natural & Physical Sciences		3 Second Major, Minor, or General Elective Course	3
World Language II (if needed) or General Elective		3 Connections - Systems or Second Major, Minor, or General Elective Course (PS 220 Recommended)	3
Second Major, Minor, or General Elective Course		3 Connections - Local to Global	3
		15	15
Third Year			
Fall	Hours	Spring	Hours
PS 326		3 Required Legal Studies Elective	3
Connections - Social and Cultural		3 ENG 300 or COMM 200	3
Required Legal Studies Elective		3 Required Legal Studies Elective	3
Second Major, Minor, or General Elective Course		3 Second Major, Minor, or General Elective Course	3
Second Major, Minor, or General Elective Course		3 Second Major, Minor, or General Elective Course	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
Required Legal Studies Elective		3 LS 495	3
Unrestricted Legal Studies Elective		3 Unrestricted Legal Studies Elective	3
Second Major, Minor, or General Elective Course		3 Second Major, Minor, or General Elective Course	3
Second Major, Minor, or General Elective Course		3 Second Major, Minor, or General Elective Course	3
Second Major, Minor, or General Elective Course		3 Second Major, Minor, or General Elective Course	3
		15	15
Total Hours 120			

Paralegal Studies, Certificate (1757)

Program Coordinator

Julia F. Shadoan, julie.shadoan@wku.edu, (270) 745-2539

Program Requirements (21 hours)

This pre-professional certificate combines legal theory and professional skills preparing graduates for immediate employment or advancement within the field. The certificate can be earned as part of a degree program or as a stand-alone credential. It requires completion of 15 hours of legal specialty core courses and 6 hours of legal specialty course electives as follows:

Code	Title	Hours
Legal Specialty Core Courses (15 hours)		
PLS 225	Introduction to Law	3
PLS 200	Legal Ethics	3
PLS 250	Legal Research and Writing I	3
PLS 291	Criminal Law and Procedure	3
PLS 393	Civil Procedure	3
Legal Specialty Elective Courses (6 hours)		6
Choose from any 2 PLS courses not listed in the Core		
Total Hours		21

Philosophy, Bachelor of Arts (745)

Program Coordinator

Michael J. Seidler, michael.seidler@wku.edu

Philosophy, thought Socrates, begins with the recognition that an unexamined life is not worth living. Accordingly, those who study philosophy question how to understand ourselves and our relationships to other persons, to society, to nature, to the universe, and, for some, to God.

Philosophy develops our ability to challenge the obvious, trains us to analyze and synthesize ideas, and shows us both how to defend and how to criticize normative claims about actions, policies, and ways of life. By carefully examining and discussing both traditional and contemporary works, it cultivates habits of honest reflection, careful reasoning, and clear thinking.

Program Requirements (31 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major in philosophy requires a minimum of 31 semester hours and leads to a Bachelor of Arts degree. At least 18 hours must be in courses numbered 300 or above. A minor or second major is required.

Code	Title	Hours
Logic, Epistemology, and Metaphysics		
Select two of the following:		6
PHIL 214	Logic, Argument, and Practical Reasoning	
PHIL 215	Symbolic Logic	
PHIL 315	Philosophy of Religion	

PHIL 330	Philosophy of Science
PHIL 332	Philosophy of Mind: Minds and Machines
PHIL 334	Philosophy of Language
PHIL 404	Metaphysics and Epistemology
PHIL 415	Advanced Logic

History of Philosophy

Select two of the following: 6

PHIL 331	Analytic Philosophy
PHIL 341	Plato and Aristotle
PHIL 342	Skeptics, Stoics, and Epicureans
PHIL 343	Medieval Philosophy
PHIL 344	Early Modern Moral Philosophy
PHIL 345	Descartes and Hume
PHIL 346	Kant and Idealism
PHIL 347	Leibniz and Locke
PHIL 348	20th Century Philosophy
PHIL 406	Existentialism
PHIL 440	Readings in Ancient or Medieval Philosophy
PHIL 450	Readings in Modern or Contemporary Philosophy
PS 330	Introduction to Political Theory

Ethics and Values

Select two of the following: 6

PHIL 202	Racial Justice
PHIL 207	Philosophy and Popular Culture
PHIL 208	Philosophy of Public Space; Reason, Action & Violence
PHIL 211	Why Are Bad People Bad?
PHIL 212	Philosophy and Gender Theory
PHIL 305	Aesthetics
PHIL 322	Biomedical Ethics
PHIL 323	Social Ethics
PHIL 324	War and Peace
PHIL 333	Marx and Critical Theory
PHIL 344	Early Modern Moral Philosophy
PHIL 350	Ethical Theory
PHIL 406	Existentialism
PHIL 426	Philosophy and Old Age
PHIL 427	Philosophy of Law

Senior Seminar

PHIL 496	Senior Seminar	1
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Electives

Any philosophy course or the following courses: 12

RELS 242	The Meaning of Life; Atheism to Zen
RELS 317	Confucianism
RELS 318	Daoism

Total Hours 31

program requirement. More details about an honors degree in philosophy can be obtained by contacting the department chair or any philosophy faculty member.

Finish in Four Plan**First Year**

Fall	Hours	Spring	Hours
COMM 145 or ENG 100		3 ENG 100 or COMM 145	3
HIST 101 or HIST 102		3 MATH 109 (or higher)	3
Colonnade: Natural & Physical Sciences		3 Colonnade: Natural & Physical Sciences with lab	3-4
Philosophy: Logic, Epistemology, and Metaphysics Course		3 Philosophy: Logic, Epistemology, and Metaphysics Course	3
PHIL 101, PHIL 102, or PHIL 103		3 Colonnade: Social & Behavioral Science	3
		15	15-16

Second Year

Fall	Hours	Spring	Hours
RELS 200 or ENG 200		3 ENG 300	3
Philosophy: Ethics and Values Course		3 Colonnade: Connections (Social & Cultural)	3
Philosophy: History of Philosophy Course		3 Philosophy: History of Philosophy Course	3
2nd Major/Minor Course		3 Philosophy: Ethics and Values Course	3
2nd Major/Minor Course		3 2nd Major/Minor Course	3
		15	15

Third Year

Fall	Hours	Spring	Hours
Philosophy: Elective Course		3 Philosophy: Elective Course	3
Colonnade: Connections (Systems)		3 2nd Major/Minor Course	3
General Elective		3 Colonnade: Connections (Local to Global)	3
2nd Major/Minor Course		3 General Elective	3
2nd Major/Minor Course		3 PHIL 496	3
		15	15

Fourth Year

Fall	Hours	Spring	Hours
Philosophy: Elective Course		3 2nd Major/Minor Course	3
2nd Major/Minor Course		3 General Elective	3
2nd Major/Minor Course		3 General Elective	3
General Elective		3 General Elective	3
General Elective		3 General Elective	3
		15	15

Total Hours 120-121**Philosophy, Minor (429)****Program Coordinator**

Michael J. Seidler, michael.seidler@wku.edu

An honors option is available for ambitious and high-achieving students seeking additional opportunities for intensive philosophical investigation. This may be pursued through honors-enriched versions of any philosophy course, and by writing a formal honors thesis in addition to the 31-hour

Program Requirements (24 hours)

The minor in philosophy requires a minimum of 24 hours. At least 12 hours must be taken in courses numbered 300 or above.

Code	Title	Hours
Logic, Epistemology, & Metaphysics		
Select two of the following:		6
PHIL 214	Logic, Argument, and Practical Reasoning	
PHIL 215	Symbolic Logic	
PHIL 315	Philosophy of Religion	
PHIL 330	Philosophy of Science	
PHIL 332	Philosophy of Mind: Minds and Machines	
PHIL 334	Philosophy of Language	
PHIL 404	Metaphysics and Epistemology	
PHIL 415	Advanced Logic	
History of Philosophy		
Select two of the following:		6
PHIL 331	Analytic Philosophy	
PHIL 341	Plato and Aristotle	
PHIL 342	Skeptics, Stoics, and Epicureans	
PHIL 343	Medieval Philosophy	
PHIL 344	Early Modern Moral Philosophy	
PHIL 345	Descartes and Hume	
PHIL 346	Kant and Idealism	
PHIL 347	Leibniz and Locke	
PHIL 348	20th Century Philosophy	
PHIL 406	Existentialism	
PHIL 440	Readings in Ancient or Medieval Philosophy	
PHIL 450	Readings in Modern or Contemporary Philosophy	
PS 330	Introduction to Political Theory	
Ethics and Values		
Select two of the following:		6
PHIL 202	Racial Justice	
PHIL 207	Philosophy and Popular Culture	
PHIL 208	Philosophy of Public Space; Reason, Action & Violence	
PHIL 211	Why Are Bad People Bad?	
PHIL 212	Philosophy and Gender Theory	
PHIL 305	Aesthetics	
PHIL 322	Biomedical Ethics	
PHIL 323	Social Ethics	
PHIL 324	War and Peace	
PHIL 333	Marx and Critical Theory	
PHIL 344	Early Modern Moral Philosophy	
PHIL 350	Ethical Theory	
PHIL 406	Existentialism	
PHIL 426	Philosophy and Old Age	
PHIL 427	Philosophy of Law	
Electives		

Choose 6 hours from any PHIL course (not previously used toward the minor) or the listed RELS course options:		6
RELS 242	The Meaning of Life; Atheism to Zen	
RELS 317	Confucianism	
RELS 318	Daoism	

Total Hours **24**

Political Science, Bachelor of Arts (686)

Program Coordinator

Scott J. Lasley, scott.lasley@wku.edu, (270) 745-2799

A program of study in Political Science furthers student awareness and understanding of political concepts and processes, assists the student in developing critical and analytical abilities, and creates a knowledgeable citizen. Completion of a curriculum in political science provides an individual with a broad background preparatory to a number of careers. Among these are government service, politics, business, teaching, research in political science, and entry into law and other graduate schools. Students may major or minor in political science.

Program Requirements (36 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
Required Courses		
PS 110	American National Government	3
PS 250	International Politics	3
PS 275	Introduction to Citizenship	3
PS 499	Senior Seminar in Government ¹	3
PS 301	Using Statistics in Political Science	3
or PS 302	Research Design in Political Science	
Select one course from each of the following categories.		
Comparative Politics/Area Studies Category		3
PS 260	Introduction to Comparative Politics	
PS 350	Political Terrorism	
PS 359	Politics of North Korea	
PS 360	Government and Politics of Britain and Canada	
PS 361	Government and Politics of Western Europe	
PS 362	Latin American Government and Politics	
PS 363	Politics of Developing Nations	
PS 364	Chinese Politics	
PS 365	Government and Politics of the Middle East	

PS 366	Government and Politics in East Asia	
PS 367	Government and Politics of Russia and Eastern Europe	
PS 368	African Government and Politics	
PS 369	Central European Politics	
Institutions Category		3
PS 220	Judicial Process	
PS 304	State Government	
PS 310	The American Presidency	
PS 316	The Legislative Process	
PS 355	International Organization and Law	
PS 412	Kentucky Government and Politics	
Policy & Behavior Category		3
PS 311	Public Policy	
PS 340	Principals of Public Administration	
PS 370	American Political Parties and Interest Groups	
PS 371	Public Opinion and Electoral Behavior	
PS 373	Minority Politics	
PS 374	Women and Politics	
PS 375	Fundamentals of Political Campaign Management	
PS 435	American Political Thought	
12 hours of Political Science (PS) electives		12
At least 18 hours must be 300 or higher.		
Total Hours		36

¹ Students are advised to take all core courses before enrolling in PS 499.

A minor or second major is required.

At least 18 credit hours in the major must be at the 300-level or higher. No more than 6 hours total can come from PS 403, PS 405, PS 407, and PS 498. PS 324 and PS 325 can both be repeated once. Three hours of credit from PS 324 and PS 325 can be used for the major, and three hours from each can be used as general electives.

Finish in Four Plan

First Year

Fall	Hours	Spring	Hours
PS 110		3 PS 250 or PS 275	3
COMM 145		3 ENG 100	3
HIST 101 or HIST 102		3 Colonnade - Quantitative Reasoning	3
Colonnade: Arts & Humanities		3 Colonnade: Natural & Physical Sciences with lab	3
PS 250 or PS 275		3 2nd Major/Minor/ Elective Course	3
		15	15

Second Year

Fall	Hours	Spring	Hours
PS course from one of four required categories		3 PS course from one of four required categories	3

PS course from one of four required categories	3 PS course from one of four required categories	3
ENG 200	3 Colonnade: Connections ¹	3
Colonnade: Natural & Physical Sciences	3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course	3 2nd Major/Minor/ Elective Course	3
		15

Third Year

Fall	Hours	Spring	Hours
PS Elective		3 PS Elective	3
PS Elective		3 Colonnade: Connections ²	3
ENG 300		3 Colonnade: Connections ³	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
		15	15

Fourth Year

Fall	Hours	Spring	Hours
PS Elective		3 PS 499	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
		15	15

Total Hours 120

Political Science, Minor (383)

Program Coordinator

Scott J. Lasley, scott.lasley@wku.edu, (270) 745-2799

Program Requirements (21 hours)

A minor in Political Science increases student awareness and understanding of political concepts and processes. The minor assists the student in developing critical and analytical abilities, and helps create a knowledgeable citizen. A minor in Political Science serves as an excellent complement to a number of other majors offered across campus.

Code	Title	Hours
Core Courses		
PS 110	American National Government	3
PS 250	International Politics	3
or PS 260	Introduction to Comparative Politics	
Additional Courses		
Select 15 additional hours to complete the minor		15
Total Hours		21

At least one-half of the hours need to be earned at the 300-level or above.

No more than three hours total may come from PS 403, PS 405, PS 407, and PS 498. PS 324 and PS 325 can both be repeated once. Only 3 hours can be used for the minor and 3 hours as general electives.

Professional Legal Studies, Bachelor of Arts (6000)

Program Coordinator

Julia F. Shadoan, julie.shadoan@wku.edu, (270) 745-2539

The Professional Legal Studies Program prepares paralegals, also called legal assistants, to work with lawyers in a wide range of professional settings and perform tasks that include legal research, legal writing and document preparation, information gathering, litigation support, legal technology support, and office management. Paralegals are an integral part of the legal process enhancing the delivery of legal services and access to justice.

Paralegals shall not engage in the unauthorized practice of law as proscribed by Kentucky law and the Supreme Court Rules (SCR 3.130 [5.5]) and must be appropriately supervised by a lawyer to ensure the paralegal's conduct is compatible with the professional and ethical standards of the practice (SCR 3.130 [5.3]).

The objectives of the Professional Legal Studies Program are:

1. To create, implement, and maintain a strong, flexible program directed to the quality education of occupationally-competent paralegals;
2. To provide a paralegal education program that leads to employment of its graduates by a wide range of employers;
3. To provide paralegals with a well-rounded, balanced education founded on a beneficial mix of general education, theory, and practical courses stressing understanding and reasoning rather than rote learning of facts;
4. To support federal, Kentucky and local Rules of Procedure and general principles of ethical legal practice, professional responsibility, the prohibitions against the unauthorized practice of law by non-lawyers, and the use and supervision of paralegals by lawyers;
5. To provide an educational program that is responsive to the varied needs of the Commonwealth of Kentucky and the region and contributes to the overall advancement of the legal profession and access to justice;
6. To provide a program which instills respect for the legal profession and its foundations, institutions, and quest for justice; and
7. To maintain equality of opportunity in the educational program without discrimination or segregation on the grounds of race, color, religion, natural origin, gender, age, disability or economic need.

Credits from other accredited institutions of higher education may be transferred and applied toward the degree. An official transcript from each such college or university attended is required as a part of the admission process. Postsecondary credit will be evaluated on a course-by-course basis for acceptance and applicability to the Program.

General law and legal-specialty course credits will be accepted only from paralegal programs approved by the American Bar Association or programs in substantial compliance with the ABA guidelines.

The Professional Legal Studies Program (PLS) is designed to provide students with an interdisciplinary educational experience integrating knowledge and skills from multiple subjects including law, history, sociology, political science, technology and business. The PLS Program requires 42 credit hours and leads to a Bachelor of Arts degree. Degrees will be awarded to those students who complete all requirements with an

overall grade point average of 2.0 (out of 4.0) and receive a grade of "C" or better in all PLS courses.

Program Requirements (42 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The Professional Legal Studies major is designed to provide students with an interdisciplinary educational experience integrating knowledge and skills from multiple subjects including law, history, sociology, political science, technology and business. The PLS degree requires 120 credit hours and leads to a Bachelor of Arts degree. Degrees will be awarded to those students who complete all requirements with an overall grade point average of 2.0 (out of 4.0) and receive a grade of "C" or better in all PLS courses.

Code	Title	Hours
Core Courses		
PLS 225	Introduction to Law	3
PLS 200	Legal Ethics	3
PLS 250	Legal Research and Writing I	3
PLS 283	Property Law	3
PLS 291	Criminal Law and Procedure	3
PLS 296	Family Law	3
PS 326 or PLS 324 or PLS 375	Constitutional Law Women and the Law Comparative Legal Systems	3
PLS 393	Civil Procedure	3
PLS 450	Legal Research and Writing II	3
PLS 499	Internship in Paralegal Studies	3
Electives (12 hours)		
Select 12 hours from the following:		12
PLS 280	Contract Law	
PLS 282	Tort Law	
PLS 294	Administrative Practice and Procedures	
PLS 324	Women and the Law	
PLS 350	EVIDENCE	
PLS 360	Debtor Creditor Relations	
PLS 375	Comparative Legal Systems	
PLS 381	Alternative Dispute Resolution Methods and Practices	
PLS 392	Corporate Law	
PLS 395	Estate Planning and Administration	
CRIM 330	Criminology	
CRIM 332	Juvenile Delinquency	
CRIM 380	Penology	
CRIM 432	Sociology of Criminal Law	
PS 220	Judicial Process	

PS 304	State Government
PS 311	Public Policy
PS 316	The Legislative Process
PS 326	Constitutional Law
PS 355	International Organization and Law
PS 412	Kentucky Government and Politics
HIST 445	American Legal History to 1865
HIST 446	American Legal History Since 1865
Or an advisor approved course	
Total Hours	42

A minor or second major is required.

Students must complete nine hours of legal specialty courses in synchronous format.

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 ENG 200	3
MATH 109 or MATH 183		3 HIST 101 or HIST 102	3
PLS 225		3 COMM 145	3
World Language Requirement I		3 World Language Requirement II	3
PLS 200		3 PLS 283	3
		15	15
Second Year			
Fall	Hours	Spring	Hours
Colonnade: Arts & Humanities		3 Colonnade: Natural & Physical Sciences (3 of 6 hours)	3
PS 110		3 PLS 296	3
PLS 291		3 PLS 450	3
PLS 250		3 2nd Major/Minor Course	3
2nd Major/Minor Course		3 2nd Major/Minor Course	3
		15	15
Third Year			
Fall	Hours	Spring	Hours
Colonnade: Natural & Physical Sciences with lab		3 Colonnade: Connections (Social & Cultural)	3
PLS Elective (1 of 4)		3 PLS 393	3
PLS 324, PLS 375, or PS 326		3 PLS Elective (2 of 4)	3
ENG 300		3 2nd Major/Minor Course	3
2nd Major/Minor Course		3 2nd Major/Minor Course	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
Colonnade: Connections (Local to Global)		3 PLS Elective (3 of 4)	3
Colonnade: Connections (Systems)		3 2nd Major/Minor Course	3
PLS Elective (3 of 4)		3 2nd Major/Minor Course	3
2nd Major/Minor Course		3 2nd Major/Minor Course	3

2nd Major/Minor Course	3 PLS 499	3
	15	15
Total Hours 120		

Department of Sociology and Criminology

Dr. Holli Drummond, Chair

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Phone: 270-745-2259; Fax: 270-745-6493

Website: <http://www.wku.edu/sociology-criminology/> (<https://www.wku.edu/sociology-criminology/>)

Sociology is the scientific study of social life, applying the analytic rigor of the scientific method to the social world so that we might understand and improve the human condition. Criminology is a sub-discipline of Sociology as core sociological concepts inform explanations of crime and society's response to it. Students who major in sociology or criminology learn to deal creatively with the most pressing problems of the day, such as the increase in our federal prison population, rising class inequality, or environmental degradation. Sociology and Criminology majors thus develop into critical thinkers with a global perspective, a deep appreciation for diversity and strong problem-solving abilities. Completion of the curriculum in sociology or criminology provides a broad background for students pursuing a variety of careers. Students develop the skills most desired by today's employers including the ability to communicate effectively, frame and solve problems realistically and in teamwork situations, plan and evaluate projects and programs, prepare clear and concise reports, and speak effectively in varied group situations. Students who graduate are thus poised to enter a wide range of occupational areas, including corporations, government agencies, social service institutions, and other nonprofit organizations. Furthermore, an undergraduate major in Sociology or Criminology is also an excellent foundation for graduate study in anticipation of a career in college teaching, law, business, or medicine.

Degrees

- Criminology, Bachelor of Arts (627) (p. 153)
- Sociology, Bachelor of Arts (775) (p. 155)

Minors

- Criminology, Minor (342) (p. 154)
- Sociology, Minor (461) (p. 159)

Certificates

- Citizenship & Social Justice, Certificate (1759) (p. 153)

Faculty Professor

Holli R. Drummond PhD (Sociology), University of Georgia, 2004

Molly B. Kerby PhD (Educational Leadership & Organizational Development), University of Louisville, 2007

John M. Musalia PhD (Sociology), Indiana University-Bloomington, 2000

Anne B. Onyekwuluje PhD (Sociology), University of Nebraska-Lincoln, 1995

Matthew V. Pruitt PhD (Sociology), North Carolina State University, 1995
 Douglas C. Smith PhD (Sociology), PA State University Main Campus, 1996

Associate Professor

James W. Kanan PhD (Sociology), PA State University Main Campus, 1996

Amy C. Krull PhD (Sociology & Anthropology), Purdue University Main Campus, 2000

Donielle M. Lovell PhD (Rural Sociology), University of Missouri-Columbia, 2009

Lauren N. McClain PhD (Sociology), Bowling Green State University, 2009
 Carrie Trojan PhD (Criminal Justice), City University of New York, 2009

Assistant Professor

Kyle D. Maksuta PhD (Sociology), SUNY at Albany, 2021

Brittany T. Martin PhD (Sociology), University of Georgia, 2021

Pavel V. Vasiliev PhD (Sociology), University of Nevada-Las Vegas, 2013

Citizenship & Social Justice, Certificate (1759)

Program Coordinator

Donielle M. Lovell, donielle.lovell@wku.edu, (270) 706-8870

Program Requirements (21 hours)

The Certificate in Citizenship and Social Justice is an interdisciplinary program, focusing on contemporary social issues, that prepares students to be effective citizens—civic agents of change for the common good. The certificate program includes both coursework and co-curricular public work. The market-ready skills honed by the certificate in Citizenship & Social Justice open many opportunities, both locally and outside the region. For those interested in the public sector, there are openings in local, state, and federal governmental agencies, as well as educational institutions. Regarding private-sector work, organizations and businesses are increasingly interested in students with empathetic listening skills resulting in successful social media and other marketing campaigns, consulting, and entrepreneurship endeavors. The program requires 21 hours with a 15 hour core and 6 hours of electives selected from a list of courses.

Code	Title	Hours
Core Requirements (15 hours)		
CSJ 200	Introduction to Social Justice	3
PS 275	Introduction to Citizenship	3
SOCL 312	Collective Behavior and Social Movements	3
PS 375	Fundamentals of Political Campaign Management	3
CSJ 499	Capstone in Citizenship & Social Justice	1-3
or CRIM 439	Internship in Criminology	
or PS 403	Field Studies in Politics	
or PS 405	Washington Internship and Academic Seminars	
or PS 490	Internship in State Government	
or SOCL 494	Internship in Sociology	
Electives (6 hours)		
Select 6 hours of electives from the following courses:		6
AFAM 190	African American Experience	

AFAM/HIST 329	Black Intellectual History
AFAM/HIST 343	Communities of Struggle
ANTH 360	Applied Anthropology – Understanding and Addressing Contemporary Human Problems
CSJ 301	Seminar in Social Justice
CSJ 435	Reimagining Citizenship
DCS 300	Public Problem Solving
FLK 330	Cultural Connections and Diversity
GWS 200	Introduction to Gender And Women's Studies
HON 251	Citizen and Self
PHIL 103	Enduring Questions: The Committed Life
PHIL 323	Social Ethics
PS 110	American National Government
PS 338	Government and Ethics
SOCL 240	Global Social Problems
SOCL 362	Social Institutions: Race, Class, and Gender
SOCL 452	Social Change
SWRK 300	Diversity and Social Welfare
SWRK 395	Social Welfare Policy and Issues

Total Hours

21

Criminology, Bachelor of Arts (627)

Program Coordinator

James W. Kanan, james.kanan@wku.edu, (270) 745-2404

Department Email: criminology@wku.edu

As a scientific discipline, Criminology emerged from the field of Sociology. Core sociological concepts inform explanations of crime and society's response to it. **WKU's Bachelor's program in Criminology** provides students with the opportunity to understand the theoretical principles which guide practical solutions to issues associated with offending, victimization, and interactions with the Criminal Justice System. Compared with traditional criminal justice programs, Criminology has a **strong interdisciplinary focus**. Our program continues this tradition by studying crime through a societal lens as we examine theoretical explanations, policy developments, and the broader implications of solutions on the health and well-being of communities and society.

Program Requirements (34 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major in criminology requires a minimum of 34 credit hours and leads to a Bachelor of Arts degree. Students majoring in criminology must select a minor, certificate, or second major.

Code	Title	Hours
Core Courses		
CRIM 101	Introduction to Criminal Justice	3
CRIM 330	Criminology	3
CRIM 332	Juvenile Delinquency	3
CRIM 380	Penology	3
CRIM 499	Senior Seminar	1
SOCL 300	Using Statistics in Sociology	3
SOCL 302	Social Research Methods	3
SOCL 309	Social Deviance	3
Electives		
Select four of the following courses:		12
ANTH 300	Forensic Anthropology	
CHEM 111	Introduction to Forensic Chemistry	
CHEM 430	Forensic Chemistry	
CRIM 222	Introduction to Crime Mapping	
CRIM 232	Introduction to Law Enforcement	
CRIM 233	Alternatives to Confinement	
CRIM 234	Crime and Popular Culture	
CRIM 238	Victimology & Victim Advocacy	
CRIM 346	Special Topics in Criminology	
CRIM 361	Race, Class, and Crime	
CRIM 430	Comparative Systems of Juvenile Justice	
CRIM 432	Sociology of Criminal Law	
CRIM 434	Organized Crime	
CRIM 437	The Death Penalty in America	
CRIM 439	Internship in Criminology	
CRIM 446	Gender, Crime, and Justice	
CRIM 447	Life-Course Criminology	
CRIM 448	International Justice and Crime	
CRIM 451	White-Collar Crime	
CRIM 456	Homicide and Serial Homicide	
CRIM 489	Criminology Study Abroad	
CRIM 495	Directed Study in Criminology	
CRIM 496	Directed Study in Criminology	
HIST 445	American Legal History to 1865	
HIST 446	American Legal History Since 1865	
PH 165	Drug Abuse	
PH 467	Drug Abuse Education	
PH 472	Illicit Drug Policy in the Us	
PLS 225	Introduction to Law	
PS 220	Judicial Process	
PS 326	Constitutional Law	
PS 328	Criminal Justice Procedures	
PS 350	Political Terrorism	
PSY/PSYS 440	Abnormal Psychology	
PSY 441	Psychological Aspects of Alcoholism	
PSY 470	Psychology and Law	
SOCL 359	Sexuality and Society	
SOCL 389	Stigma and Society	

SOCL 435	Family Violence
SWRK 356	Services for Juvenile Offenders and Their Families

Total Hours 34

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 ENG 200	3
CRIM 101		3 Any CRIM 200-level course	3
Colonnade: Natural & Physical Science w/lab		3 HIST 101 or HIST 102	3
MATH 109 (or higher)		3 COMM 145	3
Language course (if needed) or 2nd Major/Minor Course		3 Colonnade: Arts & Humanities (Recommend FLK 276)	3
		15	15

Second Year			
Fall	Hours	Spring	Hours
ENG 300 or COMM 200		3 SOCL 300	3
SOCL 302		3 SOCL 309	3
CRIM 330		3 Colonnade: Connections ²	3
Colonnade: Natural & Physical Science		3 2nd Major/Minor Course	3
Colonnade: Connections ¹		3 2nd Major/Minor Course	3
		15	15

Third Year			
Fall	Hours	Spring	Hours
CRIM 332		3 CRIM 380	3
2nd Major/Minor Course		3 Any CRIM Elective	3
2nd Major/Minor Course		3 2nd Major/Minor Course	3
Colonnade: Connections ³		3 2nd Major/Minor Course	3
General Elective		3 General Elective	3
		15	15

Fourth Year			
Fall	Hours	Spring	Hours
Any CRIM Elective		3 CRIM 439	3
2nd Major/Minor Course		3 CRIM 499	1
General Elective		3 General Elective	3
General Elective		3 General Elective	3
General Elective		3 General Elective	3
		General Elective	3
		15	16

Total Hours 121

Criminology, Minor (342)

Program Coordinator

James W. Kanan, james.kanan@wku.edu, (270) 745-2404

Program Requirements (21 hours)

Code	Title	Hours
Required Courses		
CRIM 101	Introduction to Criminal Justice	6

CRIM 330	Criminology
Electives	
Select five of the following:	
15	
ANTH 300	Forensic Anthropology
CHEM 111	Introduction to Forensic Chemistry
CHEM 430	Forensic Chemistry
CRIM 222	Introduction to Crime Mapping
CRIM 232	Introduction to Law Enforcement
CRIM 233	Alternatives to Confinement
CRIM 234	Crime and Popular Culture
CRIM 238	Victimology & Victim Advocacy
CRIM 332	Juvenile Delinquency
CRIM 346	Special Topics in Criminology
CRIM 361	Race, Class, and Crime
CRIM 380	Penology
CRIM 430	Comparative Systems of Juvenile Justice
CRIM 432	Sociology of Criminal Law
CRIM 434	Organized Crime
CRIM 437	The Death Penalty in America
CRIM 439	Internship in Criminology
CRIM 446	Gender, Crime, and Justice
CRIM 447	Life-Course Criminology
CRIM 448	International Justice and Crime
CRIM 451	White-Collar Crime
CRIM 456	Homicide and Serial Homicide
CRIM 489	Criminology Study Abroad
CRIM 495	Directed Study in Criminology
CRIM 496	Directed Study in Criminology
HIST 445	American Legal History to 1865
HIST 446	American Legal History Since 1865
PH 165	Drug Abuse
PH 467	Drug Abuse Education
PH 472	Illicit Drug Policy in the US
PLS 225	Introduction to Law
PS 220	Judicial Process
PS 326	Constitutional Law
PS 328	Criminal Justice Procedures
PS 350	Political Terrorism
PSY/PSYS 440	Abnormal Psychology
PSY 470	Psychology and Law
SOCL 309	Social Deviance
PSYS 444	Psychology of Substance Use Disorders
SOCL 359	Sexuality and Society
SOCL 389	Stigma and Society
SWRK 356	Services for Juvenile Offenders and Their Families
Total Hours	21

Sociology, Bachelor of Arts (775)

Program Coordinator

Amy C. Krull, amy.krull@wku.edu, (270) 745-6363

Department Email: sociology@wku.edu

The program is designed to further awareness and understanding of social life including the social causes and consequences of human behavior in groups, organizations, societies, and various cultures. Completion provides a broad background for students pursuing a variety of careers by helping them develop valuable skills.

Concentrations

- General (No Concentration)
- Inequality and Social Change (SISC)
- Community, Environment & Development (SCED)
- Family, Gender & Sexuality (SFGS)

Program Requirements (31 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major in sociology requires a minimum of 31 credit hours and leads to a Bachelor of Arts degree. At least half the total semester hours earned must be in upper-division courses (courses numbered 300-499). A minor, certificate, or second major is required.

Students may choose one of three thematic concentrations or they may choose a general major.

Core Courses

The following courses are required for every sociology major:

Code	Title	Hours
SOCL 100	Introductory Sociology	3
SOCL 300	Using Statistics in Sociology	3
SOCL 302	Social Research Methods	3
SOCL 304	Sociological Theory: Perspectives on Society	3
SOCL 499	Senior Seminar	1
Total Hours		13

Additional core requirements and restricted electives depend on the major and/or concentration selected (see below). Non-restricted electives must be chosen from the following courses:

Code	Title	Hours
Electives:		
CRIM 330	Criminology	3
CRIM 332	Juvenile Delinquency	3
CRIM 361	Race, Class, and Crime	3
CRIM 380	Penology	3
CRIM 432	Sociology of Criminal Law	3
CRIM 434	Organized Crime	3
CRIM 446	Gender, Crime, and Justice	3

CRIM 448	International Justice and Crime	3
CRIM 451	White-Collar Crime	3
SOCL 210	Interaction: Self in Society	3
SOCL 220	Marriage and Family	3
SOCL 240	Global Social Problems	3
SOCL 245	Sociology of Popular Culture	3
SOCL 260	Race and Ethnic Relations	3
SOCL 270	Introduction to Community, Environment, & Development	3
SOCL 309	Social Deviance	3
SOCL 310	Behavior in Small Groups	3
SOCL 312	Collective Behavior and Social Movements	3
SOCL 322	Religion in Society	3
SOCL 324	Sociology of Sport	3
SOCL 342	Aging in Society	3
SOCL 345	The Sociology of Popular Music	3
SOCL 346	Special Topics	3
SOCL 350	Systems of Social Inequality	3
SOCL 352	Technology, Work and Society	3
SOCL 355	Sociology of Gender	3
SOCL 359	Sexuality and Society	3
SOCL 360	The Community in Rural and Urban Settings	3
SOCL 362	Social Institutions: Race, Class, and Gender	3
SOCL 363	Population, Society, and Development	3
SOCL 375	Diversity in American Society	3
SOCL 376	Sociology of Globalization	3
SOCL 389	Stigma and Society	3
SOCL 402	Evaluation Research Tech	3
SOCL 404	Qualitative Research Methods	3
SOCL 408	Survey Applications	3
SOCL 410	Socialization: Changes Through Life	3
SOCL 435	Family Violence	3
SOCL 440	Sociology of Health and Illness	3
SOCL 442	Sociology Research Project	3
SOCL 450	Occupations and Professions	3
SOCL 452	Social Change	3
SOCL 455	Theory and Practice of Community Development	3
SOCL 466	Gender, Family, and Society	3
SOCL 470	Environmental Sociology	3
SOCL 480	Sociology of Agri-Food Systems	3
SOCL 489	Sociology Study Abroad	1-6
SOCL 494	Internship in Sociology	1-6
SOCL 495	Directed Study	1-3
SOCL 496	Directed Study	1-3

Not more than 3 hours earned in SOCL 495 / SOCL 496 "Directed Study" in Sociology may be counted toward the first 31 hours required for the major.

Students may complete more than one concentration and in so doing have both appear on his or her transcript. However, a single elective cannot count toward completion of more than one concentration (e.g., a student may not count SOCL 362 toward the completion of both "Inequality and Social Change" concentration AND the "Family, Gender, and Sexuality" concentration).

General Sociology Major

This major allows students to choose courses from among all sociology electives to design a program of study that best fits their particular needs and interests.

Code	Title	Hours
Core Courses		
SOCL 100	Introductory Sociology	3
SOCL 210	Interaction: Self in Society	3
or SOCL 240	Global Social Problems	
SOCL 300	Using Statistics in Sociology	3
SOCL 302	Social Research Methods	3
SOCL 304	Sociological Theory: Perspectives on Society	3
SOCL 499	Senior Seminar	1
Electives		
Select 15 hours from among all approved electives listed above		15
Total Hours		31

Community, Environment, and Development

This concentration emphasizes the causes, dynamics, and consequences of socioeconomic change for people, how they live in communities, and how they relate to the natural world.

Code	Title	Hours
Core Courses		
SOCL 100	Introductory Sociology	3
SOCL 270	Introduction to Community, Environment, & Development	3
SOCL 300	Using Statistics in Sociology	3
SOCL 302	Social Research Methods	3
SOCL 304	Sociological Theory: Perspectives on Society	3
SOCL 499	Senior Seminar	1
Concentration Courses		
Select three of the following:		9
ENV/GEOL 280	Introduction to Environmental Science	
DCS 300	Public Problem Solving	
SOCL 312	Collective Behavior and Social Movements	
SOCL 350	Systems of Social Inequality	
SOCL 360	The Community in Rural and Urban Settings	
SOCL 363	Population, Society, and Development	
SOCL 372	Causes and Consequences of Human-Wildlife Conflict	

SOCL 452	Social Change	
SOCL 455	Theory and Practice of Community Development	
SOCL 470	Environmental Sociology	
SOCL 480	Sociology of Agri-Food Systems	
or ANTH 388	Foodways	
or FLK 388	Foodways	
or GEOG 378	Food, Culture, and Environment	
Six hours of non-restricted sociology elective credit from among all approved electives		6
Total Hours		31

Family, Gender, and Sexuality

This concentration emphasizes the ways in which gender, sexuality, and kinship relations shape individual and group experiences.

Code	Title	Hours
Core Courses		
SOCL 100	Introductory Sociology	3
SOCL 220	Marriage and Family	3
SOCL 300	Using Statistics in Sociology	3
SOCL 302	Social Research Methods	3
SOCL 304	Sociological Theory: Perspectives on Society	3
SOCL 499	Senior Seminar	1
Concentration Courses		
Select three of the following:		9
CRIM 446	Gender, Crime, and Justice	
SOCL 342	Aging in Society	
SOCL 355	Sociology of Gender	
SOCL 359	Sexuality and Society	
SOCL 362	Social Institutions: Race, Class, and Gender	
SOCL 410	Socialization: Changes Through Life	
SOCL 435	Family Violence	
SOCL 466	Gender, Family, and Society	
Six hours of non-restricted sociology elective credit from among all approved electives		6
Total Hours		31

Inequality and Social Change

This concentration emphasizes inequalities, such as those of race, class, and sex, the manner in which such inequalities become structurally rooted in society, and the ways in which individuals and groups seek to reverse inequalities.

Code	Title	Hours
Core Courses		
SOCL 100	Introductory Sociology	3
CSJ 200	Introduction to Social Justice	3
SOCL 300	Using Statistics in Sociology	3
SOCL 302	Social Research Methods	3
SOCL 304	Sociological Theory: Perspectives on Society	3
SOCL 499	Senior Seminar	1

Concentration Courses		
Select three of the following:		9
CRIM 361	Race, Class, and Crime	
CRIM 446	Gender, Crime, and Justice	
SOCL 240	Global Social Problems	
SOCL 312	Collective Behavior and Social Movements	
SOCL 350	Systems of Social Inequality	
SOCL 355	Sociology of Gender	
SOCL 362	Social Institutions: Race, Class, and Gender	
SOCL 375	Diversity in American Society	
SOCL 376	Sociology of Globalization	
SOCL 440	Sociology of Health and Illness	
SOCL 452	Social Change	
SOCL 466	Gender, Family, and Society	
Six hours of non-restricted sociology elective credit from among all approved electives		6
Total Hours		31

Finish in Four Plans

General, No Concentration

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 ENG 200	3
SOCL 100		3 Any SOCL 200-level Elective	3
Colonnade: Natural & Physical Sciences with lab		3 HIST 101 or HIST 102	3
MATH 109 (or higher)		3 COMM 145	3
Language Course (if needed) or 2nd Major/Minor Course		3 FLK 276	3
		15	15
Second Year			
Fall	Hours	Spring	Hours
ENG 300 or COMM 200		3 SOCL 300	3
SOCL 302		3 Sociology Elective	3
SOCL 304		3 Colonnade: Connections ²	3
Colonnade: Natural & Physical Sciences		3 2nd Major/Minor Course	3
Colonnade: Connections ¹		3 2nd Major/Minor Course	3
		15	15
Third Year			
Fall	Hours	Spring	Hours
Any Sociology Elective		3 Any Sociology Elective	3
2nd Major/Minor Course		3 Any Sociology Elective	3
2nd Major/Minor Course		3 2nd Major/Minor Course	3
Colonnade: Connections ³		3 2nd Major/Minor Course	3
General Elective		3 General Elective	3
		15	15

Fourth Year

Fall	Hours	Spring	Hours
Any 300-400 level SOCL Elective		3 SOCL 494	3
2nd Major/Minor Course		3 SOCL 499	1
General Elective		3 General Elective	3
General Elective		3 General Elective	3
General Elective		3 General Elective	3
		General Elective	3
	15		16
Total Hours 121			

Community, Environment & Development**First Year**

Fall	Hours	Spring	Hours
ENG 100		3 ENG 200	3
SOCL 100		3 SOCL 270	3
Colonnade: Natural & Physical Sciences with lab		3 HIST 101 or HIST 102	3
MATH 109 (or higher)		3 COMM 145	3
Language Course (if needed) or 2nd Major/Minor Course		3 FLK 276	3
	15		15

Second Year

Fall	Hours	Spring	Hours
ENG 300 or COMM 200		3 SOCL 300	3
SOCL 302		3 Any SCED Elective	3
2nd Major/Minor Course		3 Colonnade: Connections ²	3
Colonnade: Natural & Physical Sciences		3 2nd Major/Minor Course	3
Colonnade: Connections ¹		3 2nd Major/Minor Course	3
	15		15

Third Year

Fall	Hours	Spring	Hours
Any Sociology Elective		3 Any SCED Elective	3
SOCL 304		3 Any Sociology Elective	3
2nd Major/Minor Course		3 2nd Major/Minor Course	3
Colonnade: Connections ³		3 2nd Major/Minor Course	3
General Elective		3 General Elective	3
	15		15

Fourth Year

Fall	Hours	Spring	Hours
Any SCED Elective		3 SOCL 494	3
2nd Major/Minor Course		3 SOCL 499	1
General Elective		3 General Elective	3
General Elective		3 General Elective	3
General Elective		3 General Elective	3
		General Elective	3
	15		16
Total Hours 121			

Inequality and Social Change**First Year**

Fall	Hours	Spring	Hours
ENG 100		3 ENG 200	3
SOCL 100		3 CSJ 200	3
Colonnade: Natural & Physical Sciences with lab		3 HIST 101 or HIST 102	3
MATH 109 (or higher)		3 COMM 145	3
Language Course (if needed) or 2nd Major/Minor Course		3 FLK 276	3
	15		15

Second Year

Fall	Hours	Spring	Hours
ENG 300 or COMM 200		3 SOCL 300	3
SOCL 302		3 Any SISC Elective	3
2nd Major/Minor Course		3 Colonnade: Connections ²	3
Colonnade: Natural & Physical Sciences		3 2nd Major/Minor Course	3
Colonnade: Connections ¹		3 2nd Major/Minor Course	3
	15		15

Third Year

Fall	Hours	Spring	Hours
Any SISC Elective		3 Any SISC Elective	3
SOCL 304		3 Any Sociology Elective	3
2nd Major/Minor Course		3 2nd Major/Minor Course	3
Colonnade: Connections ³		3 2nd Major/Minor Course	3
General Elective		3 General Elective	3
	15		15

Fourth Year

Fall	Hours	Spring	Hours
Any Sociology Elective		3 SOCL 494	3
2nd Major/Minor Course		3 SOCL 499	1
General Elective		3 General Elective	3
General Elective		3 General Elective	3
General Elective		3 General Elective	3
		General Elective	3
	15		16

Total Hours 121**Family, Gender & Sexuality****First Year**

Fall	Hours	Spring	Hours
ENG 100		3 ENG 200	3
SOCL 100		3 HIST 101 or HIST 102	3
Colonnade: Natural & Physical Sciences with lab		3 Any SOCL 200-Level Course	3
MATH 109 (or higher)		3 COMM 145	3
Language Course (if needed) or 2nd Major/Minor Course		3 FLK 276	3
	15		15

Second Year

Fall	Hours	Spring	Hours
ENG 300 or COMM 200		3 SOCL 300	3
SOCL 302		3 SOCL 220	3

SOCL 304		3 Colonnade: Connections ²	3
Colonnade: Natural & Physical Sciences		3 2nd Major/Minor Course	3
Colonnade: Connections ¹		3 2nd Major/Minor Course	3
		15	15
Third Year			
Fall	Hours	Spring	Hours
Any SFGS Elective		3 Any SFGS Elective	3
2nd Major/Minor Course		3 Any Sociology Elective	3
2nd Major/Minor Course		3 2nd Major/Minor Course	3
Colonnade: Connections ³		3 2nd Major/Minor Course	3
General Elective		3 General Elective	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
Any SFGS Elective		3 SOCL 494	3
2nd Major/Minor Course		3 SOCL 499	1
General Elective		3 General Elective	3
General Elective		3 General Elective	3
General Elective		3 General Elective	3
		General Elective	3
		15	16
Total Hours 121			

Sociology, Minor (461)

Program Coordinator

Amy C. Krull, amy.krull@wku.edu, (270) 745-6363

Program Requirements (21 hours)

At least 12 hours earned in the minor must be in upper-division courses (courses numbered 300-499). Not more than 3 hours earned in SOCL 495 / SOCL 496 may be counted toward the first 21 hours required for the minor.

Code	Title	Hours
Required Courses		
SOCL 100	Introductory Sociology	3
SOCL 300	Using Statistics in Sociology	3
SOCL 302	Social Research Methods	3
SOCL 304	Sociological Theory: Perspectives on Society	3
Electives		
Select three of the following courses:		9
CRIM 330	Criminology	
CRIM 332	Juvenile Delinquency	
CRIM 361	Race, Class, and Crime	
CRIM 380	Penology	
CRIM 432	Sociology of Criminal Law	
CRIM 434	Organized Crime	
CRIM 446	Gender, Crime, and Justice	
CRIM 451	White-Collar Crime	
SOCL 210	Interaction: Self in Society	

SOCL 220	Marriage and Family
SOCL 240	Global Social Problems
SOCL 245	Sociology of Popular Culture
SOCL 260	Race and Ethnic Relations
SOCL 270	Introduction to Community, Environment, & Development
SOCL 309	Social Deviance
SOCL 310	Behavior in Small Groups
SOCL 312	Collective Behavior and Social Movements
SOCL 322	Religion in Society
SOCL 324	Sociology of Sport
SOCL 342	Aging in Society
SOCL 345	The Sociology of Popular Music
SOCL 346	Special Topics
SOCL 350	Systems of Social Inequality
SOCL 352	Technology, Work and Society
SOCL 355	Sociology of Gender
SOCL 359	Sexuality and Society
SOCL 360	The Community in Rural and Urban Settings
SOCL 362	Social Institutions: Race, Class, and Gender
SOCL 363	Population, Society, and Development
SOCL 372	Causes and Consequences of Human-Wildlife Conflict
SOCL 375	Diversity in American Society
SOCL 376	Sociology of Globalization
SOCL 389	Stigma and Society
SOCL 402	Evaluation Research Tech
SOCL 404	Qualitative Research Methods
SOCL 408	Survey Applications
SOCL 410	Socialization: Changes Through Life
SOCL 435	Family Violence
SOCL 440	Sociology of Health and Illness
SOCL 442	Sociology Research Project
CRIM 447	Life-Course Criminology
CRIM 448	International Justice and Crime
SOCL 450	Occupations and Professions
SOCL 452	Social Change
SOCL 455	Theory and Practice of Community Development
SOCL 466	Gender, Family, and Society
SOCL 470	Environmental Sociology
SOCL 480	Sociology of Agri-Food Systems
SOCL 489	Sociology Study Abroad
SOCL 494	Internship in Sociology
SOCL 495	Directed Study
SOCL 496	Directed Study

Total Hours

21

Department of Theatre & Dance

Dr. David Young, Department Chair

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Phone: (270) 745-5845; Fax: (270) 745-5879

Website: <http://www.wku.edu/theatre-and-dance> (<http://www.wku.edu/theatre-and-dance/>)

Theatre & Dance is determined to be a department where you can reach your full potential. We offer several different degree programs, all designed to balance theory and practice. Our AB degree in Dance and our AB degree in Theatre are each designed to provide a solid liberal arts foundation in their discipline while leaving room for study in a minor or second major. Our BFA in Performing Arts degree provides a broad study of theatre while also offering intensive pre-professional training in one of four required areas of concentration: Acting, Theatre, Musical Theatre, or Theatre Design & Technology. We also offer 4 minors: a minor in Theatre, a minor in Musical Theatre, a minor in Dance, and a minor in Arts Administration. We believe that what you learn in the shops, the studios, and onstage is every bit as important as what happens in the classroom. Our department is your laboratory. Our intensive production season complements the curriculum by offering you ample opportunity to put theory to the test as you work side by side with your peers, faculty, and guest artists on a steady variety of theatre and dance productions. Every student is different, and we see that as an asset to our department and to our field! We offer all kinds of opportunities for artistic, technical, and personal growth so that you can shape your training in the ways that best suit your individual needs and goals. Career preparation is also woven into our curriculum with courses such as Acting Audition Workshop, Dance Pedagogy, and Performing Arts Career Seminar. Whatever degree you choose as the best path for you, we'll challenge you, we'll collaborate with you, and we'll care about you.

Western Kentucky University is an accredited institutional member of the National Association of Schools of Theatre and the National Association of Schools of Dance.

When planning a program of study in this department, each student should be aware of the University's academic requirements and regulations contained in this catalog in the chapter "Academic Information." Specific attention should be given to the subsections in the chapter entitled (a) Academic Programs, (b) Colonnade Program Requirements, and (c) "Academic Requirements and Regulations." Students should be aware that some academic programs may require additional scholastic regulations and standards not specified in the catalog. To obtain a copy of these regulations, students should contact the Department Chair.

Degrees

- Dance, Bachelor of Arts (630P, 630) (p. 161)
- Performing Arts, Bachelor of Fine Arts (588P, 588) (p. 163)
- Theatre, Bachelor of Arts (798) (p. 168)

Minors

- Arts Administration, Minor (443) (p. 160)
- Dance, Minor (344) (p. 162)
- Musical Theatre, Minor (424) (p. 163)
- Theatre, Minor (490) (p. 169)

Faculty

Professor

Amanda G. Clark MFA (Dance), University of Oklahoma Norman, 2005

Elena S. Pollatsek MFA (Theatre Design), New York University, 1998

Associate Professor

Julie L. Barber DA (Music), Ball State University, 2014

Michelle G. Dvoskin PhD (Theatre), University of Texas at Austin, 2010

Meghen L. McKinley MFA (Dance), University of Hawaii at Manoa, 2012

David A. Young PhD (Theatre), Wayne State University, 2000

Assistant Professor

Michael P. Frohling MFA (Theatre), Southern Illinois University

Carbondale, 2010

Anna L. Patsfall MFA (Dance), Florida State University, 2017

Alan R. White MFA (Theatre), LA State University System Office, 2021

Instructor I

Austin H. Elledge MFA (Theatre Arts), University of Nebraska-Lincoln, 2021

Cecelia A. Hill MFA, West Virginia University, 2016

Mary K. Samouce MFA (Theatre Design), New York University, 1995

Instructor II

Carol Jordan MA (Theatre Education), Emerson College, 1998

Arts Administration, Minor (443)

Program Coordinator

Carol Jordan, carol.jordan@wku.edu, (615) 682-3597

Does the business side of the arts interest you? Are you thinking of opening a dance studio, working in the development office of a theatre company, or starting a youth theatre program? The Minor in Arts Administration is an introduction to the field. You'll need to take at least 9 credit hours of classes in the arts (art, dance, music, theatre, musical theatre, theatre design or technology), as well as taking one of two foundational courses, either ART 496: Special Topics in Studio Art with the Topic of Gallery Management, or PERF 423: Performing Arts Management. After that, you will take 12 credit hours from a long list of possible classes to begin developing your knowledge of topics like grant-writing, accounting, social media marketing, leadership, and entrepreneurship. At least 12 hours of coursework in this minor must be at the upper division level.

Please note: ART 496: Special Topics in Studio Art with the Topic of Gallery Management is not offered every semester. PERF 423: Performing Arts Management is typically offered as an online class, usually in the fall semester.

Program Requirements (24 hours)

Code	Title	Hours
Required Courses:		
9 Arts Content credits in any combination from the following from the following subject areas: Art, Dance, Music, or Theatre		9
PERF 423	Performing Arts Management	3
or ART 496	Special Topics in Studio Art	
Students must take PERF 423 or the Special Topics in Gallery/Museum Studies to satisfy this requirement.		
12 credits in any combination from the following:		12
ACCT 220	Principles of Financial Accounting	

BA 110	Introduction to Business and Entrepreneurship
ENT 312	Entrepreneurship
LEAD 300	Leadership Theory and Application
LEAD 475	Leadership Studies Special Topics
MGT 210	Organization and Management
MGT 333	Management of Nonprofit Organizations
MKT 220	Basic Marketing Concepts
MKT 322	Integrated Marketing Communications
MKT 325	Personal Selling
MKT 331	Social Media Marketing
PR 255	Fundamentals of Public Relations
REC 220	Understanding the Nonprofit Sector
REC 460	Grant Writing for Nonprofit Organizations

Total Hours**24**

Dance, Bachelor of Arts (630P, 630)

Program Coordinator

Amanda G. Clark, amanda.clark@wku.edu

The AB in Dance is designed to provide a solid foundation in the discipline of dance. A minor (or second major) in another field is also required. The AB in Dance is a 45 credit hour program. You must achieve a level 4 in one dance genre and level 3 in a second genre in order to graduate. By integrating dance and general studies, we strive to create "Thinking Artists," individuals who work to achieve their highest potential as artist, technicians, and scholars.

Program Requirements (45 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

In addition to the standard WKU admission process, incoming students (including transfer students) wishing to major in Dance must also participate in the department's initial dance placement audition process, after which they will be enrolled as "seeking admission" into the AB in Dance program. The auditions for course placement will be held every semester. Prospective students must attend one of the audition days or submit a link to a video audition. Following a review of the audition, the dance faculty will send the student a copy of their technique assessment and course placement. The student may then be enrolled as "seeking admission" into the A.B. in Dance degree. Further developmental assessments of seeking admission students will be made by the dance faculty during the first two semesters.

A student may apply for full admittance into the AB in Dance degree after the completion of 2 semesters (transfer students must complete at least 15 hours at WKU).

Students must meet the following minimum requirements before applying:

- A minimum overall grade point average 2.5
- Completion of 8 hours of dance technique
- Students must have taken or currently be enrolled in a 300 level dance technique course (ballet, jazz, modern).
- Demonstrate proficient talent, commitment, and a reasonable likelihood of achieving the technique level requirements of the degree program.

Following faculty review of applications for the AB in Dance degree, letters of acceptance or non-acceptance will be sent to the students. Students can re-apply once after non-acceptance. Students denied admission into the AB in Dance program may appeal that decision by submitting a written appeal to the department chair. The admittance by their 4th semester and be accepted by the completion of their 5th semester. Transfer students must apply and be accepted prior to completing 30 credit hours at WKU.

Once admitted to the AB in Dance degree, each student will be regularly assessed by the dance faculty to ensure that he or she is successfully progressing within the degree program. Please see the most current Dance Program Handbook, located on the Department of Theatre & Dance website, for complete information regarding auditions, admission, and retention.

At least 22.5 credits applied to this major must be upper-division (300 level or above). DANC 110: Dance Appreciation is recommended for Colonnade Explorations – Arts & Humanities. DANC 360: Dance in Culture is recommended for Colonnade Connections – Social & Cultural Studies.

Code	Title	Hours
The following courses are required:		
PERF 175	University Experience: Performing Arts	2
PERF 120	Rehearsal and Production	1
PERF 220	Production Lab I (take once as a 1 credit class, or twice as a .5 credit class)	1
Dance Technique (18 hours)		
Initial placement based on demonstrated skill level. Must achieve at least level 4 in a selected genre and level 3 in a second genre.		
Ballet: A minimum of four ballet technique classes (2 credit hours each)		8
Jazz: A minimum of two jazz technique classes (2 credit hours each)		4
Modern: A minimum of two modern technique classes (2 hrs. each)		4
Tap: A minimum of one tap technique class (2 credit hours each)		2
Dance Study (9 hours)		
DANC 301	Dance Pedagogy	3
DANC 350	Dance History	3
DANC 445	Dance Anatomy and Kinesiology	3
Choreography (8 hours)		
DANC 235	Dance Improvisation	2

DANC 310	Choreography I	3
DANC 420	Choreography II	3
Dance Production (3 hours)		
THEA 250	Stage Electrics	3
or THEA 241	Costume Technology	
or THEA 311	Stage Management	
or DANC 400	Visual Media for Dance	
Restricted Electives (3 hours)		
Any relevant upper-division DANC, PERF, or THEA course with advisor's approval.		3
Total Hours		45

For a complete explanation of the AB in Dance policies and procedures, please visit the Theatre and Dance department website at https://www.wku.edu/theatre-and-dance/schedules_and_forms/departmental-forms.php and download a copy of the current AB Dance Handbook.

Finish in Four Plan

First Year

Fall	Hours	Spring	Hours
Ballet Technique Course		2 Ballet Technique Course	2
Jazz or Modern Technique Course		2 Jazz or Modern Technique Course	2
PERF 120		1 PERF 220	1
PERF 175		2 THEA 250 or THEA 241	3
DANC 110		3 COMM 145	3
ENG 100		3 HIST 101 or HIST 102	3
MATH 109		3 Minor Course	3
		16	17

Second Year

Fall	Hours	Spring	Hours
Ballet Technique Course		2 Ballet Technique Course	2
Jazz or Modern Technique Course		2 Jazz or Modern Technique Course	2
DANC 235		2 DANC 310	3
Tap Technique Course		2 DANC 350	3
ENG 200		3 Colonnade: Social & Behavioral Sciences	3
Colonnade: Natural & Physical Sciences		3 Minor Course	3
Minor Course		3	
		17	16

Third Year

Fall	Hours	Spring	Hours
Additional Ballet Technique Course Suggested		2 Additional Ballet Technique Course Suggested	2
Additional Jazz or Modern Technique Course		2 Additional Jazz or Modern Technique Course Suggested	2
DANC 420		3 DANC 445	3
Colonnade: Writing in the Disciplines		3 Colonnade: Natural & Physical Sciences w/ lab	3
Minor Course		3 Colonnade: Connections (Systems)	3
		Minor Course	3
		13	16

Fourth Year

Fall	Hours	Spring	Hours
Additional Ballet Technique Course Suggested		2 Additional Ballet Technique Course Suggested	2
Additional Dance Technique Course Suggested		2 Additional Dance Technique Course Suggested	2
DANC 301		3 Dance Elective	2
Colonnade: Connections (Social & Cultural)		3 Minor Course	3
Colonnade: Connections (Local to Global)		3 General Elective	3
		13	12

Total Hours 120

- Students will apply for full admission into the BA in Dance in the 3rd semester. Prior to that point they are classified as "seeking admission."
- Students cast in dance concert pieces will take DANC 300 – Dance Company (1 hr.)
- B.A. in Dance students must achieve at least a level 4 in a selected genre and a level 3 in a second genre in order to graduate.
- At least 50% (22.5 credit hours) of the degree must be in upper-division courses, numbered 300 +.
- B.A. in Dance students are expected to participate fully in the Jury/Portfolio Review (JPR) process and maintain a cumulative GPA of 2.5. Failure to do so may result in the student being placed on departmental probation. See the Dance Program Handbook for details.

Dance, Minor (344)

Program Coordinator

Meghen L. McKinley, meghen.mckinley@wku.edu, (270) 883-9549

Program Requirements (22 hours)

The minor in dance requires a minimum of 22 semester hours. At least 11 hours must be 300 level or above. DANC 110: Dance Appreciation is also recommended in Colonnade Explorations: Arts & Humanities. The requirements are:

Code	Title	Hours
Dance Technique		
Initial placement based on demonstrated skill level. Must achieve at least level 2 in two different genres (Ballet, Jazz, Modern, Tap) by the student's final semester..		
Ballet: A minimum of one ballet technique classes (2 credit hours each)		2
Jazz: A minimum of one jazz technique classes (2 credit hours each)		2
Modern: A minimum of one modern technique class (2 credit hours each)		2
Tap: A minimum of one tap technique class (2 credit hours each)		2
Dance Study		
DANC 350	Dance History	3
or DANC 360	Dance in Culture: Moving History	

Choreography

DANC 235	Dance Improvisation	2
DANC 310	Choreography I	3

Dance Production

PERF 120	Rehearsal and Production	1
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Restricted Upper-Division Electives ¹		5
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Total Hours		22
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¹ Any relevant upper-division (level 300 or higher) DANC, THEA, PERF course, or a related field, with advisor's approval.

Musical Theatre, Minor (424)

Program Coordinator

Julie L. Barber, julie.lynn.barber@wku.edu, (270) 745-5845

Program Requirements (27 hours)

The minor in musical theatre offers students the opportunity to attain basic skills required for musical theatre performance. It requires the completion of a minimum of 27 credit hours, as indicated below. No fewer than 14 credits in the minor must be upper-division.

Code	Title	Hours
Acting		
THEA 101 or PERF 101	Acting I	3
THEA 300	Acting II	3
Dance		
Take at least one ballet, jazz, or tap dance technique class		2
Music		
MUS 100	Theory I	2
MUS 150 or MUS 162	Applied Music Secondary Group Voice	1
MUS 350	Applied Music Secondary	1
THEA 324	Applied Vocal Styles I (Repeatable)	1
THEA 324	Applied Vocal Styles I (Repeatable)	1
THEA 306	Musical Theatre Ensemble	1
THEA 307	Musical Theatre Workshop I	3
History & Theory		
THEA 252	Fundamentals of Theatre	3
THEA 430	Musical Theatre History	3
Restricted Upper-Division Electives		3
Any upper-division (level 300+) THEA, PERF or DANC course with advisor's approval		
Total Hours		27

Performing Arts, Bachelor of Fine Arts (588P, 588)

Program Coordinator

Julie L. Barber, julie.lynn.barber@wku.edu, (270) 745-5845

Our BFA - Performing Arts degree a pre-professional program. It involves rigorous, conservatory-style training intended to hone your skills for entry into the professional world of the performing arts. Our BFA involves both a broad introduction to all aspects of theatre and concentrated

training in one of the following areas: Acting, Theatre, Musical Theatre, or Theatre Design & Technology. A minor or second major is not required to accompany this degree. All students who state an intention to pursue a BFA in Performing Arts will first be enrolled under the status "seeking admission" to the major. Students must formally apply for admission into the BFA in Performing Arts in a subsequent semester. In order to be eligible to apply you must have:

- Earned at least 30 college credits from an accredited college, university or post secondary conservatory;
- Maintained an overall GPA of at least 2.5;
- Demonstrated exceptional talent, commitment, self discipline, reliability, and a reasonable likelihood of success as a performing arts professional in at least one area of concentration;
- Participated fully in at least one previous Jury.

You must apply in your third semester, unless your advisor gives you permission to delay the initial application by one semester. If you are a transfer student your advisor will recommend your application semester. If you are denied admission to the major you may re-apply the following semester with no special procedure. A third attempt is only available by special petition to the faculty. You may also be accepted conditionally. This is at the department's discretion, and the schedule for when these conditions must be met is to be determined by the student's advisor. For a full understanding of the BFA application and Jury process you may download the current BFA – Performing Arts Handbook on the Departmental website: https://www.wku.edu/theatre-and-dance/schedules_and_forms/departamental-forms.php. Keep in mind, half of the total hours in the degree must be in upper-division coursework.

Concentrations

- Acting (PACT)
- Theatre Design & Technology (PDES)
- Theatre (THEA)
- Musical Theatre (MUTH)

Program Requirements (74 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The Bachelor of Fine Arts - Performing Arts degree is an interdisciplinary major that requires the completion of a common 24 credit hour performing arts core and a 50 credit hour depth concentration in one of the following areas:

- Acting
- Musical Theatre
- Theatre
- Theatre Design & Technology

Performing Arts Core

All concentrations require the following courses:

Code	Title	Hours
Career Prep (6 hours)		
PERF 175	University Experience: Performing Arts	2
PERF 450	Performing Arts Career Seminar	1
PERF 451	Career Seminar Workshop	2
In addition, select one of the following THEA courses:		
THEA 203 or THEA 204	Acting Audition Workshop Portfolio Preparation Workshop	1
History & Theory (6 hours)		
THEA 252	Fundamentals of Theatre	3
In addition, select one of the following THEA courses:		
THEA 363 or THEA 364	World Theatre History I World Theatre History II	3
Performance (3 hours)		
THEA 101	Acting I	3
Design & Production (9 hours)		
THEA 219	Design I	3
PERF 120	Rehearsal and Production	1
PERF 220	Production Lab I (taken once as 1 credit class, or twice as .5 credit class)	0.5-1
PERF 320	Production Lab II (taken once as 1 credit class, or twice as .5 credit class)	0.5-1
In addition, select one of the following THEA courses:		
THEA 222	Stagecraft	3
THEA 241	Costume Technology	
THEA 250	Stage Electrics	
THEA 311	Stage Management	
Total Hours		24

Acting Concentration

Code	Title	Hours
History and Literature (6 hours)		
Select one of the following courses:		
THEA 363 or THEA 364 or THEA 365	World Theatre History I World Theatre History II U.S. Theatre History	3
In addition, select one of the following courses:		
THEA 375 or THEA 430	Topics in Drama Musical Theatre History	3
Acting and Performance (21 hours)		
PERF 205	Voice and Movement for the Stage	1
THEA 141	Stage Makeup	1
THEA 300	Acting II	3
THEA 301	Acting III	3
THEA 414	Acting IV	3
THEA 371	Directing I	3
PERF 401	Solo Performance	3
PERF 350	Voice and Diction for the Theatre	1
In addition, select one of the following THEA courses:		
THEA 412	Special Topics in Acting	3

or THEA 410	Playing Shakespeare	
Production (6 hours)		
Take one of the following courses not taken in the BFA core:		
THEA 222 or THEA 241 or THEA 250 or THEA 311	Stagecraft Costume Technology Stage Electrics Stage Management	3
Take three credit hours from the following courses:		
PERF 321 or PERF 420 or PERF 421 or PERF 340 or PERF 341 or PERF 440 or PERF 331	Production Lab III Production Lab IV Production Lab V Performance Lab I Performance Lab II Performance Lab III Dramaturgy Lab	3
Select 17 hours of restricted electives (any relevant THEA, DANC, or PERF course with advisor's approval) At least 3 hours must be upper level if THEA 311 wasn't taken in the CORE or Acting concentration.		
Total Hours		50

Theatre Concentration

Code	Title	Hours
Acting and Directing (10 hours)		
PERF 205	Voice and Movement for the Stage	1
THEA 300	Acting II	3
THEA 301	Acting III	3
THEA 371	Directing I	3
Devising Performance (3 hours) ¹		
Select at least one of the following courses:		
PERF 300 or PERF 401 or THEA 358	Topics in Contemporary Performance Studies Solo Performance Drama Writing	3
History & Literature (9 hours) ¹		
Select at least one of the following courses:		
THEA 363 or THEA 364 or THEA 365	World Theatre History I World Theatre History II U.S. Theatre History	3
In addition, take at least 6 hours from the following courses:		
THEA 375 or THEA 430	Topics in Drama (may be repeated up to three times) Musical Theatre History	6
Youth Theatre (3 hours) ¹		
Select at least one of the following courses:		
THEA 325 or THEA 391 or THEA 425	Theatre in Education Theatre for Young Audiences Play Production in the Schools	3
Production (6 hours)		
Take one of the following courses not taken in the BFA core:		
THEA 222 or THEA 241 or THEA 250	Stagecraft Costume Technology Stage Electrics	3

or THEA 311	Stage Management	
Take three hours from the following courses:		3
PERF 321	Production Lab III	
or PERF 420	Production Lab IV	
or PERF 421	Production Lab V	
or PERF 340	Performance Lab I	
or PERF 341	Performance Lab II	
or PERF 440	Performance Lab III	
or PERF 331	Dramaturgy Lab	
Advanced Practice (12 hours)		
Select at least twelve hours from the following courses:		12
DANC 310	Choreography I	
PERF 350	Voice and Diction for the Theatre	
PERF 362	Theatre in Diversion	
PERF 369	Professional Work / Career Experience in Theatre	
PERF 400	Advanced Performing Arts Studio	
PERF 423	Performing Arts Management	
PERF 445	Research in Theatre and Dance	
PERF 361	Performing Arts Practicum II	
PERF 461	Performing Arts Practicum III	
THEA 319	Design II	
THEA 322	Stage Design	
THEA 341	Culture and Performance	
THEA 380	Directing II	
THEA 392	Production of Theatre for Children	
THEA 414	Acting IV	
THEA 422	Stage Lighting Design	
THEA 424	Topics in Design and Technical Theatre	
THEA 441	Costume Design	
Select 7 hours of restricted electives (any relevant THEA, DANC, or PERF course with advisor's approval)		7
Total Hours		50

¹ Additional courses taken in this category may count towards the Advanced Practice category.

Musical Theatre Concentration

Code	Title	Hours
Acting (17 hours)		
THEA 141	Stage Makeup	1
PERF 205	Voice and Movement for the Stage	1
THEA 300	Acting II	3
THEA 301	Acting III	3
THEA 414	Acting IV	3
THEA 307	Musical Theatre Workshop I	3
THEA 407	Musical Theatre Workshop II	3
Dance (12 hours)		
Select 4 hours from the following courses:		4
DANC 103	Foundations of Dance Technique	
Ballet Technique (any level, 2 hours each)		
In addition, take the following Dance Technique courses:		

Jazz Technique (any level, 2 hours each)		4
Tap Technique (any level)		2
Dance Technique Elective		2
Music		
MUS 102	Music Theory I for Non-Majors	3
MUS 170	Group Piano for Non-Majors	1
THEA 306	Musical Theatre Ensemble	1
Take one of the following MUS courses:		1
MUS 162	Group Voice	
or MUS 150	Applied Music Secondary	
Followed by two semesters of:		2
MUS 350	Applied Music Secondary (1 hour each)	
Followed by one semester of:		1
THEA 324	Applied Vocal Styles I	
Followed by four semesters of:		4
THEA 385	Applied Vocal Styles II (1 hour each)	
History & Literature (6 hours)		
THEA 430	Musical Theatre History	3
THEA 431	Musical Theatre Repertoire	3
Production (2 hours)		
Take two hours from the following courses:		2
PERF 321	Production Lab III	
or PERF 420	Production Lab IV	
or PERF 340	Performance Lab I	
or PERF 341	Performance Lab II	
or PERF 440	Performance Lab III	
or PERF 331	Dramaturgy Lab	
Total Hours		50

Theatre Design & Technology Concentration

Code	Title	Hours
Design (9 hours)		
THEA 319	Design II	3
In addition, select one of the following courses:		3
ART 106	History of Art Since 1300	
or THEA 323	Period Styles in Design	
In addition, select one of the following courses:		3
THEA 322	Stage Design	
or THEA 422	Stage Lighting Design	
or THEA 441	Costume Design	
History & Literature (6 hours)		
Take at least one of the following courses, if not taken in the BFA core:		3
THEA 363	World Theatre History I	
or THEA 364	World Theatre History II	
or THEA 365	U.S. Theatre History	
In addition, select one of the following courses:		3
THEA 375	Topics in Drama	
or THEA 430	Musical Theatre History	
Technical Theatre (6 hours)		

Take at least two of the following courses not taken in the BFA core:

THEA 222	Stagecraft	
THEA 241	Costume Technology	
THEA 250	Stage Electrics	
THEA 311	Stage Management	

Production (5 hours)

PERF 321	Production Lab III	0.5-1
PERF 420	Production Lab IV	0.5-1
PERF 421	Production Lab V	0.5-1
PERF 430	Production Lab VI	0.5-1

In addition, select one hour from the following courses:

PERF 431	Production Lab VII	
or PERF 340	Performance Lab I	
or PERF 331	Dramaturgy Lab	

Advanced Practice (12 hours)

THEA 371	Directing I	3
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In addition, take three semesters of:

THEA 424	Topics in Design and Technical Theatre	
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Select 12 hours of restricted electives (any relevant THEA, DANC, or PERF course with advisor's approval) At least 3 hours must be upper level if THEA 311 or THEA 323 weren't taken in the CORE or Theatre Design and Technology concentration.

Total Hours **50**

Finish in Four Plans

Acting

First Year

Fall	Hours	Spring	Hours
PERF 175		2 PERF 220	1
PERF 120		1 THEA 300	3
THEA 252		3 THEA 222, THEA 241, or THEA 250	3
THEA 101		3 COMM 145	3
PERF 205		1 HIST 101 or HIST 102	3
ENG 100		3 Colonnade: Natural & Physical Sciences	3
MATH 109		3	
		16	16

Second Year

Fall	Hours	Spring	Hours
PERF 320		1 PERF 321 or PERF 340	1
THEA 375		3 THEA 414	3
THEA 301		3 THEA 219	3
THEA 203		1 Colonnade: Arts & Humanities (Recommend ART 100, ART 105 or MUS 120)	3
THEA 222, THEA 241, THEA 250, or THEA 311		3 Colonnade: Social and Behavioral Sciences	3
THEA 141		1 Acting Elective	3
ENG 200		3	
		15	16

Third Year

Fall	Hours	Spring	Hours
PERF 420 or PERF 341		1 PERF 421 or PERF 440	1

THEA 363	3 THEA 364	3
THEA 371	3 THEA 412	3
THEA 401	3 Acting Elective	3
Colonnade: Natural & Physical Sciences with lab	3 ENG 300	3
Colonnade: Connections (Local to Global)	3 Colonnade: Connections (Social & Cultural)	3
	16	16

Fourth Year

Fall	Hours	Spring	Hours
PERF 450		1 THEA 412	3
PERF 451		2 PERF 350	1
Acting Elective		3 Acting Elective	3
Acting Elective		3 Acting Elective	2
Colonnade: Connections (Systems)		3 General Elective	3
General Elective		1	
		13	12

Total Hours 120

- No minor or second major is required.
- You Must consult with your advisor for selection of acting electives.
- Production Lab and Performance Lab courses (PERF 220, PERF 221, PERF 320, PERF 321, PERF 340, PERF 341, PERF 420, PERF 421, PERF 440) may be offered as 1 credit or 0.5 credit. BFA in Performing Arts students with a concentration in Acting must take one credit of PERF 220 (taken once as a 1 credit class, or twice as a 0.5 credit class) and one credit of PERF 320 (taken once as a 1 credit class, or twice as a 0.5 credit class). They must also take an additional three credits worth of Production or Performance Lab credits from the following menu: PERF 321, PERF 340, PERF 341, PERF 420, PERF 421, PERF 430 and PERF 440.
- At least 50% (37 credit hours) of the BFA in Performing Arts must be in upper-division courses, numbered 300+.

Theatre Design and Technology

First Year

Fall	Hours	Spring	Hours
PERF 175		2 PERF 220	1
PERF 120		1 THEA 101	3
THEA 252		3 THEA 219	3
THEA 222, THEA 241, THEA 250, or THEA 311		3 COMM 145	3
ENG 100		3 ART 106	3
MATH 109		3 HIST 101 or HIST 102	3
		15	16

Second Year

Fall	Hours	Spring	Hours
PERF 320		1 PERF 321 or PERF 340	1
THEA 363		3 THEA 319	3
THEA 222, THEA 241, THEA 250, or THEA 311		3 THEA 222, THEA 241, or THEA 250	3
THEA 204		1 Colonnade: Natural & Physical Sciences	3
THEA 375		3 Colonnade: Social and Behavioral Sciences	3
ENG 200		3 Design/Tech Elective	3
		14	16

Third Year

Fall	Hours	Spring	Hours
PERF 420 or PERF 341		1 PERF 421 or PERF 440	1
THEA 363		3 THEA 364	3
THEA 371		3 THEA 424	3
THEA 424		3 Design/Tech Elective	3
THEA 322, THEA 422, or THEA 441		3 Colonnade: Connections (Local to Global)	3
ENG 300		3 Colonnade: Natural & Physical Sciences with Lab	3
		16	16

Fourth Year

Fall	Hours	Spring	Hours
PERF 440		1 Design/Tech Elective	3
PERF 450		1 Design/Tech Elective	3
PERF 451 (PACS Lab - Design/Tech)		2 Colonnade: Connections (Systems)	3
THEA 424		3 General Elective	3
Design/Tech Elective		3 General Elective	2
Colonnade: Connections (Social & Cultural)		3	
		13	14

Total Hours 120

- No minor or second major is required.
- You Must consult with your advisor for selection of acting electives.
- Production Lab and Performance Lab courses (PERF 220, PERF 221, PERF 320, PERF 321, PERF 340, PERF 341, PERF 420, PERF 421, PERF 430, PERF 440) may be offered as 1 credit or 0.5 credit. BFA in Performing Arts students with a concentration in Theatre Design & Technology must take one credit of PERF 220 (taken once as a 1 credit class, or twice as a 0.5 credit class) and one credit of PERF 320 (taken once as a 1 credit class, or twice as a 0.5 credit class). They must also take an additional five credits worth of Production Lab credits from the following menu: PERF 321, PERF 340, PERF 341, PERF 420, PERF 421, PERF 430 and PERF 440.
- At least 50% (37 credit hours) of the BFA in Performing Arts must be in upper-division courses, numbered 300+.

Musical Theatre

First Year

Fall	Hours	Spring	Hours
PERF 175		2 PERF 220	1
PERF 120		1 THEA 300	3
THEA 101		3 THEA 252	3
MUS 102		3 Ballet Technique Course	2
MUS 162		1 MUS 170	1
Ballet Technique Course		2 MUS 350	1
PERF 205		1 THEA 141	1
ENG 100		3 MUS 120	3
		MATH 109	3
		16	18

Second Year

Fall	Hours	Spring	Hours
PERF 320		1 PERF 321 or PERF 340	1
THEA 363		3 THEA 414	3
THEA 301		3 THEA 307	3

THEA 203	1 THEA 324	1
THEA 306	1 THEA 430	3
Jazz Technique Course	2 Jazz Technique Course	2
MUS 350	1 COMM 145	3
ENG 200	3	
		15

Third Year	Hours	Spring	Hours
PERF 420 or PERF 341		1 THEA 407	3
THEA 431		3 THEA 385	1
THEA 385		1 Tap Technique Course	2
THEA 222, THEA 241, THEA 250, or THEA 311		3 THEA 219	3
Colonnade: Social & Behavioral Sciences		3 ENG 300	3
HIST 101 or HIST 102		3 Colonnade: Natural & Physical Sciences	3
		14	15

Fourth Year

Fall	Hours	Spring	Hours
PERF 450		1 Colonnade: Natural & Physical Sciences with Lab	3
PERF 451 (PACS Lab - Acting)		2 THEA 385	1
Dance Elective Technique Course		2 Colonnade: Connections (Local to Global)	3
THEA 385		1 General Elective	3
Colonnade: Connections (Systems)		3 General Elective	3
Colonnade: Connections (Social & Cultural)		3 General Elective	1
		12	14

Total Hours 120

- No minor or second major is required.
- You Must consult with your advisor for selection of musical theatre electives.
- Production Lab and Performance Lab courses (PERF 220, PERF 221, PERF 320, PERF 321, PERF 340, PERF 341, PERF 420, PERF 421, PERF 430, PERF 440) may be offered as 1 credit or 0.5 credit. BFA in Performing Arts students with a concentration in Musical Theatre must take one credit of PERF 220 (taken once as a 1 credit class, or twice as a 0.5 credit class) and one credit of PERF 320 (taken once as a 1 credit class, or twice as a 0.5 credit class). They must also take an additional three credits worth of Production or Performance Lab credits from the following menu: PERF 321, PERF 340, PERF 341, PERF 420, PERF 421, PERF 430 and PERF 440.
- At least 50% (37 credit hours) of the BFA in Performing Arts must be in upper-division courses, numbered 300+.

Theatre

First Year

Fall	Hours	Spring	Hours
PERF 175		2 PERF 220	1
PERF 120		1 THEA 222, THEA 241, or THEA 250	3
THEA 252		3 THEA 300	3
THEA 101		3 THEA 219	3
PERF 205		1 HIST 101 or HIST 102	3

ENG 100	3	Colonnade: Arts & Humanities	3
MATH 109	3		
		16	16

Second Year

Fall	Hours	Spring	Hours
PERF 320		1 Production, Performance, or Dramaturgy Lab	1
THEA 375	3	THEA 430	3
THEA 371	3	THEA 301	3
THEA 222, THEA 241, THEA 250, or THEA 311	3	THEA 358	3
THEA 203 or THEA 204	1	COMM 145	3
ENG 200	3	Colonnade: Social and Behavioral Sciences	3
		14	16

Third Year

Fall	Hours	Spring	Hours
Production, Performance, or Dramaturgy Lab		1 Production, Performance, or Dramaturgy Lab	1
THEA 363	3	THEA 364 or THEA 365	3
THEA 325	3	Advanced Practice Course	3
Colonnade: Natural & Physical Sciences	3	Advanced Practice Course	3
Colonnade: Connections (Social & Cultural)	3	Colonnade: Connections (Local to Global)	3
ENG 300	3	Colonnade: Natural & Physical Sciences with Lab	3
		16	16

Fourth Year

Fall	Hours	Spring	Hours
PERF 450		1 Theatre Elective	3
PERF 451	2	Theatre Elective	2
Advanced Practice Course	3	Colonnade: Connections (Systems)	3
Advanced Practice Course	3	General Elective	3
Theatre Elective	3	General Elective	3
		12	14

Total Hours 120

- No minor or second major is required.
- You must consult with your advisor for selection of acting electives.
- Production Lab and Performance Lab courses (PERF 220, PERF 221, PERF 320, PERF 321, PERF 340, PERF 341, PERF 420, PERF 421, PERF 440) may be offered as 1 credit or 0.5 credit. BFA in Performing Arts students with a concentration in Theatre must take one credit of PERF 220 (taken once as a 1 credit class, or twice as a 0.5 credit class) and one credit of PERF 320 (taken once as a 1 credit class, or twice as a 0.5 credit class). They must also take an additional five credits worth of Production Lab credits from the following menu: PERF 321, PERF 340, PERF 341, PERF 420, PERF 421, PERF 430 and PERF 440.
- At least 50% (37 credit hours) of the BFA in Performing Arts must be in upper-division courses, numbered 300+.

Theatre, Bachelor of Arts (798)

Program Coordinator

Michelle G. Dvoskin, michelle.dvoskin@wku.edu, (270) 745-2545

Our AB in Theatre is a traditional Liberal Arts degree, designed to provide a solid foundation in all aspects of theatre while leaving some flexibility to pursue your own particular goals. You will need to combine it with a minor, or even a second major. Our AB in Theatre does not require an audition, and is most appropriate for students who want the freedom to explore during their undergraduate years. The curriculum includes study in theatre history and theory, performance, design and production, and a number of performance or production lab credits earned through involvement in shows. Ten hours of theatre electives allow you to further pursue whatever most interests you. Theatre AB students will often combine their degree with a major or minor in Film, Broadcasting, Creative Writing, Dance, Music, or Arts Administration. But really, you can combine your B.A. in Theatre with almost any other major or minor at WKU.

Program Requirements (45 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

A minor or second major is required. At least 22.5 credits applied to this major must be upper-division (300 level or above).

Code	Title	Hours
Required Courses		
PERF 175	University Experience: Performing Arts	2
History & Theory (12 credit hours)		
THEA 252	Fundamentals of Theatre	3
Select two of the following:		6
THEA 363	World Theatre History I (3 credit hours)	
THEA 364	World Theatre History II (3 credit hours)	
THEA 365	U.S. Theatre History (3 credit hours)	
Select one of the following courses:		3
THEA 375	Topics in Drama (3 credit hours)	
THEA 430	Musical Theatre History (3 credit hours)	
Performance		
Select 7 credits from the following (at least 2 of which must be at the 300-level or above):		7
THEA 101	Acting I (3 credit hours)	
PERF 205	Voice and Movement for the Stage (1 credit hour)	
THEA 300	Acting II (3 credit hours)	
THEA 301	Acting III (3 credit hours)	
THEA 303	Acting for the Camera (3 credit hours)	
PERF 350	Voice and Diction for the Theatre (1 credit hour)	

THEA 371	Directing I (3 credit hours)	
PERF 401	Solo Performance (3 credit hours)	
DANC 235	Dance Improvisation (2 credit hours)	
Any single dance technique course (2 credit hours)		
Design and Production		
THEA 219	Design I (3 credit hours)	3
PERF 120	Rehearsal and Production (1 credit hour)	1
PERF 220	Production Lab I (0.5 to 1 credit hour: take once as a 1 credit class, or twice as a 0.5 credit class)	1
PERF 320	Production Lab II (0.5 to 1 credit hour: take once as a 1 credit class, or twice as a 0.5 credit class)	1
Select two of the following:		6
THEA 222	Stagecraft (3 credit hours)	
THEA 241	Costume Technology (3 credit hours)	
THEA 250	Stage Electrics (3 credit hours)	
THEA 311	Stage Management (3 credit hours)	
Take a total of at least two credit hours from the following:		2
PERF 321	Production Lab III (0.5 to 1 credit hour)	
PERF 420	Production Lab IV (0.5 to 1 credit hour)	
PERF 340	Performance Lab I (0.5 to 1 credit hour)	
PERF 341	Performance Lab II (0.5 to 1 credit hour)	
PERF 430	Production Lab VI (0.5 to 1 credit hour)	
PERF 331	Dramaturgy Lab (0.5, 1, or 2 credit hours)	
Restricted Electives		10
Select 10 hours from any relevant THEA, PERF, or DANC course with advisor's approval		
Total Hours		45

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
PERF 175		2 PERF 220	1
PERF 120		1 Performance Class (PERF 105, THEA 101, 300, 301, 303, 371, DANC 235 or any single dance technique class)	1-3
THEA 252		3 COMM 145	3
Performance Class (PERF 105, THEA 101, 300, 301, 303, 371, DANC 235 or any single dance technique class)		1-3 Colonnade: Social & Behavioral Sciences	3
ENG 100		3 HIST 101 or HIST 102	3
MATH 109		3 Minor Course	3
13-15		14-16	

Second Year			
Fall	Hours	Spring	Hours
PERF 320		1 PERF 321 or PERF 340	1
THEA 363, THEA 364, or THEA 365		3 THEA 363, THEA 364, or THEA 365	3
THEA 222, THEA 241, or THEA 250		3 THEA 219	3
ENG 200		3 Colonnade: Natural & Physical Sciences	3
Colonnade: Arts & Humanities		3 Minor Course	3
Minor Course		3 Minor Course	3
		16	16
Third Year			
Fall	Hours	Spring	Hours
PERF 420, PERF 340, or PERF 341		1 THEA 222, THEA 241, or THEA 250	3
Performance Class (PERF 105, THEA 101, 300, 301, 303, 371, DANC 235 or any single dance technique class)		1-3 THEA 375 or THEA 430	3
ENG 300		3 THEA/PERF/DANC Elective	3
Colonnade: Connections (Local to Global)		3 Colonnade: Connections (Social & Cultural)	3
Colonnade: Natural & Physical Sciences w/ lab		3 Minor Course	3
Minor Course		3	
		14-16	15
Fourth Year			
Fall	Hours	Spring	Hours
THEA/PERF/DANC Elective		1-3 THEA/PERF/DANC Elective	1-3
Colonnade: Connections (Systems)		3 THEA/PERF/DANC Elective	1-3
Minor Course		3 Minor Course	3
Minor Course		3 General Elective	3
General Elective		3 General Elective	3
		13-15	11-15
Total Hours 112-124			

- BA Theatre students are expected to participate fully in the Jury/Portfolio Review (JPR) process and maintain a cumulative GPA of 2.0. Failure to do so may result in the student being placed on departmental probation. The full policy can be found in the BA in Theatre or Dance Handbook.
- Production Lab and Performance Lab courses (PERF 220, 221, 320, 321, 340, 341, 420, 421, 440, 441) may be offered as 1 credit or 0.5 credit. BA in Theatre students must take one credit of PERF 220 (taken once as a 1 credit class, or twice as a .5 credit class) and one credit of 320 (taken once as a 1 credit class, or twice as a .5 credit class). They must also take an additional two credits worth of Production or Performance Lab credits from the following menu: PERF 321, 340, 341 and 430.
- At least 50% (22.5 credit hours) of the degree must be in upper-division courses, numbered 300 +.

Theatre, Minor (490)

Program Coordinator

Michelle G. Dvoskin, michelle.dvoskin@wku.edu, (270) 745-2545

Program Requirements (26 hours)

The minor in theatre offers students the opportunity to attain a basic understanding of all aspects of theatre. It requires the completion of a minimum of 26 credit hours, as indicated below. No fewer than 13 credits in the minor must be upper-division.

Code	Title	Hours
History & Theory		
THEA 151 or THEA 252	Theatre Appreciation ¹ Fundamentals of Theatre	3
Select one of the following:		3
THEA 363	World Theatre History I	
THEA 364	World Theatre History II	
THEA 365	U.S. Theatre History	
THEA 341	Culture and Performance	
Performance		
PERF 101 or THEA 101	Acting Acting I	3
Production		
PERF 120	Rehearsal and Production	1
PERF 220	Production Lab I (take once as a 1 credit class, or twice as a .5 credit class)	1
Select one of the following:		3
THEA 222	Stagecraft	
THEA 241	Costume Technology	
THEA 250	Stage Electrics	
THEA 312	Stage Management Practicum	
Restricted Upper-Division Electives		
Select any upper-division (level 300 or above) THEA, PERF or DANC course with advisor's approval ²		12
Total Hours		26

¹ Please note: THEA 252 is a pre-requisite for many theatre courses, including Design I, Acting III, Directing I, Theatre for Young Audiences, Theatre in Diversion, and other classes.

² Relevant coursework in other departments may be included in this category with the approval of advisor and Theatre & Dance department chair.

School of Media

Mr. Ron DeMarse, Director

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Mission Statement

To prepare students for a changing media environment by focusing on content, ethics, and technology.

- **Community Impact and Service:** Integrate a spirit of social awareness and community service among students, faculty and staff.

- **Digital Media Technology and Responsible Social Media Integration:** Promote an integrated Digital Media and Social Media approach to both education and creativity among faculty and students.
- **Hands-On Curriculum:** Maintain a curriculum that emphasizes hands-on learning and reflects global professional practices.
- **Internationally Recognized and Diverse Faculty:** Develop and support a top-tier faculty that leads its respective profession through effective teaching, creative work and active engagement in scholarship.
- **Spirit of Innovation:** Promote a culture of innovation and entrepreneurial thinking among faculty and students.
- **Embrace Collaboration:** Encourage collaboration as an opportunity to innovate and create strategic partnerships among all the disciplines.
- **Dynamic Diversity Plan:** Implement a Diversity Plan that has an inclusive curriculum; diverse faculty and student population and supportive environment. The Plan includes a domestic and international focus and is assessed annually.
- **Excellent Learning Facilities:** Maintain and enhance physical infrastructure to provide state-of-the-art learning.

Undergraduate Programs

The School of Media offers majors in Broadcasting, Film, Journalism, and Photojournalism. Graduate courses are in sport media and branding (see The Graduate School's Catalog for details).

After having offered journalism courses for more than thirty years, Western Kentucky University created the Department of Journalism in 1977. Two years later the Accrediting Council on Education in Journalism and Mass Communication (ACEJMC) nationally accredited the Department, designating its adherence to high standards, including emphasis on liberal arts and science education, in the attainment of a professional communication degree.

In 1999, the Department merged with the Broadcasting and Mass Communication programs to form the School of Journalism & Broadcasting. In 2000, the Commonwealth of Kentucky designated the School a "Program of Distinction," and in 2003 the School of Media moved into a new \$18 million building with state-of-the-art classrooms and labs. ACEJMC re-accredited the School in its new configuration in 2004 and again in 2016.

Between 2012 and 2018, WKU has won the Hearst Journalism Awards Intercollegiate Photojournalism Championships 5 times and the Multimedia Championships 7 times. The WKU School of Journalism & Broadcasting placed first in the 2018 Hearst Journalism Awards – continuing a multi-decade tradition of ranking among one of the top schools nationally. In August 2019, the School of Journalism & Broadcasting changed its name to the School of Media to better reflect the school's programs and its commitment to preparing student for an ever changing professional landscape.

The School fervently believes that a broad-based liberal arts and science curriculum is essential for a well-rounded understanding of society and that students and faculty should embrace a spirit of social awareness and service to diverse communities. It upholds the ideal that the American press system should be free, independent, and responsible.

The School and its faculty encourage students to think critically and act ethically. The School emphasizes the ability to adapt intellectually and creatively to opportunities and challenges of an increasingly complex information society.

Students are encouraged to seek practical experience through participation in student publications and broadcasting outlets as well as internships with professional organizations. They may gain experience by working on the *College Heights Herald*, the campus newspaper, the *Talisman* yearbook, *WWHR*, a licensed noncommercial FM station student managed and staffed, and the *Newschannel12* newscast. Qualified students may gain additional experience on campus through staff work at the National Public Radio station, **WKYU-FM** or the Public Broadcasting System associate member station, **WKYU-TV24**.

Students are also advised to join campus chapters of the Society of Professional Journalists, the National Press Photographers Association, Radio-Television Digital News Association, Kappa Tau Alpha national society honoring scholarship in journalism, WKU Multicultural Journalists (A National Association of Black Journalists affiliate) and the WKU Storm Team.

All School of Media students must compile a portfolio or electronic form of original work that will be reviewed in the capstone course of each program.

Each major must have a minor or second major outside the School of Media. In addition, the Broadcasting major requires a minor or second major outside of the Department of Communication. Students should be aware of the university's academic requirements and regulations contained in this catalog in the chapter, "Academic Information" while planning their degree programs. Specific attention should be given to the subsections entitled

1. Academic Programs
2. Colonnade Requirements
3. Academic Requirements and Regulations

Students should develop relationships with their academic advisors and check with them for curriculum updates that might occur after the publication date of this catalog.

Degrees

- Broadcasting, Bachelor of Arts (726P, 726) (p. 171)
- Film Production, Bachelor of Fine Arts (530P, 530) (p. 173)
- Film, Bachelor of Arts (667P, 667) (p. 175)
- Journalism, Bachelor of Arts (736P, 736) (p. 176)
- Photojournalism, Bachelor of Arts (750P, 750) (p. 178)

Minors

- Broadcasting, Minor (330) (p. 173)
- Journalism Writing, Minor (403) (p. 176)
- Photojournalism, Minor (433) (p. 180)

Faculty

Professor

Jeanie L. Adams-Smith MA (Photography), Ohio University Main Campus, 2001

Timothy A. Broekema MS (Communications), Grand Valley State University, 2001

Ronald R. DeMarse MFA (Film Production), University of Miami, 2002

James H. Kenney MS (Photography), Syracuse University Main Campus, 1995

Gordon D. McKerral MS (Journalism), University of Illinois at Urbana-Champaign, 1980

Associate Professor

Travis A. Newton MFA (Motion Picture, TV, & Record Arts), Florida State University, 2008

Bradley L. Pennington MFA (Cinematic Arts), University of Southern California, 2014

Bradley J. Pfranger MLAS (Liberal Arts & Science), Vanderbilt University, 2011

Assistant Professor

Scott H. Clarke PhD (Communication Arts & Sciences- Mass Media), Michigan State University, 2006

Ryan Dearbone MA (Communication), Western Kentucky University, 2014

Brian D. Elliott MA (Communication), Western Kentucky University, 2014

Alysia F. Klein MFA (Film and Media Arts), University of Utah, 2017

Sara R. Thomason MFA (Motion Picture Arts), Florida State University, 2016

Instructor I

Jonathan D. Adams MA (Photography), Ohio University Main Campus, 2012

Shaina S. Feldman MFA (Motion Picture Arts), Florida State University, 2017

Philip L. Holsinger MMIN (Ministry), Harding University Main Campus, 2009

Broadcasting, Bachelor of Arts (726P, 726)

Program Coordinator

Bradley J. Pfranger, bradley.pfranger@wku.edu, (270) 745-4144

The major in Broadcasting (reference number 726) requires a minimum of 45 semester hours and leads to a Bachelor of Arts degree. Students must take a minimum of 72 semester hours in courses outside of the School of Media unit, including the University's general education requirements.

In addition to meeting institutional requirements for graduation, the Broadcasting major must have a minor or second major outside of the School of Media and Film Studies that is approved by the major faculty advisor. Students may not select a minor in film studies or from those offered within the School, unless taken as a second minor.

No course with a grade of "D" or below may be counted toward this major or used as a prerequisite. One-half of the hours in the major must be at the 300- or 400-level. Only 3 hours of internship or co-op may be counted within the major. One-hour workshops may be repeated in different topics up to 4 hours. Only 3 hours of workshop credit may be counted within the 45-hour major.

Admission Requirements

Students wishing to enter the major in broadcasting initially are admitted as majors Seeking Admission (reference 726P). Prospective majors may take no more than 15 hours in the major before admission. Students must meet the following requirements before they can be admitted:

1. Completion of a minimum of 24 hours of coursework applicable to a baccalaureate degree;
2. A minimum overall grade point average of 2.5;
3. Completion of ENG 100 with a grade of "C" or higher and 9 additional hours in general education;

4. Completion of the following courses with a grade of “C” or higher:
SOM 101, SOM 102, BCOM 201 and BCOM 266.

Students not meeting the above admission requirements will not be admitted to the Broadcasting major and cannot register for any additional courses in the major.

Program Requirements (45 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
Required Courses for a major in Broadcasting:		18
SOM 101	Understanding Media Content, Ethics and Technology	
SOM 102	Media Content, Collaboration and Community	
BCOM 266	Basic Television Production	
BCOM 301	Mass Communication Law and Ethics	
BCOM 366	Editing I	
Writing Elective:		3
BCOM 265 or BCOM 325	Basic Broadcast News Survey of Electronic Media Writing	
Diversity Elective		3
Select one of the following courses:		
ANTH 448	Visual Anthropology	
COMM 463	Advanced Intercultural Communication	
CRIM 446	Gender, Crime, and Justice	
FLK 330	Cultural Connections and Diversity	
SOM 310	Media Diversity	
SOCL 355	Sociology of Gender	
SOCL 362	Social Institutions: Race, Class, and Gender	
SPAN 345	Topics in Spanish	
A diversity class approved by an academic advisor.		
Capstone Experience		3
Select one course from the following:		
BCOM 465	Advanced Broadcast News	
BCOM 482	Television Program Production	
BCOM 491	Internship	
SOM 402	First Amendment Research and Reporting	
Electives		18
Select 18 additional hours, including at least 12 upper-division hours, from the following list:		
BCOM 261	Basic Radio Production	
BCOM 265	Basic Broadcast News	

BCOM 300	American Popular Arts
BCOM 303	Acting for the Camera
BCOM 325	Survey of Electronic Media Writing
BCOM 326	Radio and Television News Performance
BCOM 328	Broadcast Weather Graphics
BCOM 329	Broadcast Weather Data
BCOM 335	News Discovery and Selection
BCOM 360	Electronic Media Programming / Research
BCOM 361	Advanced Radio Performance
BCOM 365	Broadcast News Reporting and Producing
BCOM 367	Field Production
BCOM 368	News Videography and Editing
BCOM 369	Cooperative Education in Broadcast Communication
BCOM 380	Editing II
BCOM 385	Broadcast Commercial Sales
BCOM 394	Film Animation
BCOM 401	History of Broadcasting in America
BCOM 429	Broadcast Meteorology
BCOM 461	Radio Workshop
BCOM 463	Field Production II
BCOM 466	Television Directing
BCOM 467	Broadcast Workshop
BCOM 476	Advanced Radio Sales
BCOM 480	Editing III
BCOM 481	Problems in Mass Communication
BCOM 485	Broadcast Operations and Management
BCOM 491	Internship
FILM 201	Introduction to the Cinema
FILM 250	Screenwriting I
JOUR 202	Introduction to News Writing
PJ 261	Mobile Media Storytelling
AD 210	Software Studio

Total Hours **45**

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
SOM 101		3 BCOM 201	3
SOM 102		3 BCOM 266	3
ENG 100		3 PS 110	3
COMM 145		3 Colonnade - Arts & Humanities	3
Colonnade - Quantitative Reasoning		3 Colonnade - Natural & Physical Science w/lab	3
		15	15
Second Year			
Fall	Hours	Spring	Hours
BCOM 366		3 BCOM Elective ²	3
BCOM 265 or BCOM 325		3 BCOM Elective	3
HIST 101 or HIST 102		3 ENG 200	3

General Elective or Foreign Language Requirement	3 BCOM Diversity Elective	3
Minor Course ¹	3 Colonnade - Natural & Physical Science w/no lab	3
15		15
Third Year		
Fall	Hours	Spring
BCOM Elective	3 BCOM 301	3
BCOM Elective	3 Colonnade - Writing in the Disciplines	3
Colonnade - Connections Social & Culture	3 Colonnade - Connections Local to Global	3
Minor Course	3 Minor Course	3
Minor Course	3 General Elective	3
15		15
Fourth Year		
Fall	Hours	Spring
BCOM Elective	3 BCOM Capstone	3
BCOM Elective	3 Colonnade - Connections Systems	3
Minor Course	3 Minor Course	3
Minor Course	3 General Elective	3
General Elective	3 General Elective	3
15		15
Total Hours 120		

¹ A minor consisting of 21 credit hours is required for the major.

² Select 18 hours of BCOM elective courses with at least 12 upper-division hours.

Broadcasting, Minor (330)

Program Coordinator

Bradley J. Pfranger, bradley.pfranger@wku.edu, (270) 745-4144

Program Requirements (18 hours)

Code	Title	Hours
BCOM 201	Process and Effects of Mass Communication	3
BCOM 261 or BCOM 266	Basic Radio Production Basic Television Production	3
BCOM 301	Mass Communication Law and Ethics	3
BCOM 325	Survey of Electronic Media Writing	3
Select remaining courses chosen in consultation with an assigned faculty advisor		6
Total Hours		18

One-half the hours in the minor must be at the 300- or 400-level.

Film Production, Bachelor of Fine Arts (530P, 530)

Program Coordinator

Sara R. Thomason, sara.thomason@wku.edu, (270) 745-5890

The BFA in Film Production is a pre-professional major providing an immersive, conservatory-style educational experience for students

pursuing a career in the film industry. Hands-on instruction in pre-production (writing, producing), production (directing, cinematography, production design), and post-production (editing, sound, visual effects, animation) provides students foundational concepts and practical skills which are reinforced through their work on short films. Film studies courses emphasize critical and analytical thinking through the study of global film culture, history, and aesthetics.

BFA in Film Production students will rotate through “below the line” (technical) and “above the line” (creative) roles on two short film production cycles, leading to a final thesis film cycle where seniors choose an area of emphasis (directing, cinematography, producing, production design, editing, sound, animation). By the time of their graduation, every BFA in Film Production student will be ready to enter the workplace with nearly 30 student film credits for their resumé.

Concentrations

- Film Animation (FPFA)

Program Requirements (81/82 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Students applying for the BFA in Film Production must take 12 hours of Film core curriculum their first year (FILM 100, 201, 202, and 250) and submit to a portfolio review during their second semester seeking admission. Twenty-four students per academic year will be selected for admission into the program based on the quality of their creative portfolio, their professionalism in class and on set, and their scholastic work. After admission, students must follow a prescribed class schedule to ensure completion of the program in four years (including the first year of core courses). Students in the BFA may choose between the standard major or a concentration in Film Animation.

The BFA in Film Production requires 81 semester hours. No course with a grade of “D” or below may be counted toward this major or fulfill prerequisite requirements for any major in the School of Media. The BFA in Film Production does not allow for a minor or second major.

In addition to a portfolio review, students applying for the BFA in Film Production must meet the following academic requirements:

1. Completion of a minimum of 30 hours of coursework applicable to a baccalaureate degree;
2. A minimum overall grade point average of 2.5;
3. Completion of ENG 100 with a grade of ‘C’ or better and 15 additional hours in the Colonnade Program;
4. Completion of the following courses with a grade of ‘C’ or better: FILM 100, FILM 201, FILM 202, FILM 250.

Students who are not selected for the BFA in Film Production or opt-out of the portfolio review process will have the option of pursuing the BA in Film if they meet the BA in Film’s admission requirements.

Code	Title	Hours
Program Core Courses		
FILM 100	Film Industry and Aesthetics	3
FILM 201	Introduction to the Cinema	3
FILM 202	Basic Film Production	3
FILM 250	Screenwriting I	3
FILM 251	Film Directing I	2
FILM 252	Film Producing	2
FILM 253	Cinematography I	2
FILM 254	Production Design I	2
FILM 355	Film Sound	2
FILM 256	Film Editing I	3
FILM 290	Practicum: Pre-Production I	2
FILM 291	Practicum: Below-the-Line I	3
FILM 292	Practicum: Above-the-Line I	3
FILM 350	Screenwriting II	2
FILM 356	Film Editing II	2
FILM 369	Introduction to World Cinema	3
FILM 390	Practicum: Pre-Production II	3
FILM 392	Practicum: Above-the-Line II	3
FILM 393	Practicum: Post-Production I	3
FILM 466	Film Theory	3
FILM 486	Film Capstone	3
FILM 489	Thesis Development	3
FILM 490	Practicum: Pre-Production III	3
FILM 492	Practicum: Above-the-Line III	3
FILM 493	Practicum: Post-Production II	3
FILM 155	Film Attendance	0
Total Hours		67

Major (No Concentration)

Code	Title	Hours
FILM 351	Film Directing II	2
FILM 353	Cinematography II	2
FILM 354	Production Design II	2
FILM 367	Introduction to Film Genres	2
FILM 391	Practicum: Below-the-Line II	3
FILM 491	Practicum: Below-the-Line III	3
Total Hours		14

Animation Concentration

Code	Title	Hours
Program Core Courses		
ART 130 or ART 140	Two-Dimensional Design Drawing	3
ANIM 210	Introduction to Computer Animation	3
ANIM 220	3D Modeling I: Environment	3
ANIM 310	Computer Animation I	3
FILM 394	Film Animation	3
Total Hours		15

Finish in Four Plan Major (No Concentration)

First Year			
Fall	Hours	Spring	Hours
FILM 100		3 FILM 202	3
FILM 201		3 FILM 250	3
FILM 155		0 FILM 155	0
Colonnade		3 Colonnade	3
Colonnade		3 Colonnade	3
Colonnade		3 Colonnade	3
		Colonnade	3
		15	18
Second Year			
Fall	Hours	Spring	Hours
First Bi-Term		FILM 355	2
FILM 251		2 FILM 256	3
FILM 252		2 FILM 369	3
FILM 253		2 Colonnade	3
FILM 254		2 Colonnade	3
2nd Bi-Term		Colonnade	3
FILM 290		2	
FILM 291		3	
FILM 292		3	
		16	17
Third Year			
Fall	Hours	Spring	Hours
1st or 2nd Bi-Term		FILM 390	3
FILM 350		2 FILM 392	3
FILM 351		2 FILM 393	3
FILM 353		2 FILM 491	3
FILM 354		2	
FILM 356		2	
FILM 367		2	
1st or 2nd Bi-Term			
FILM 391		3	
		15	12
Fourth Year			
Fall	Hours	Spring	Hours
FILM 486		3 FILM 466	3
FILM 489		3 FILM 493	3
FILM 490		3 Colonnade	3
FILM 492		3 Colonnade	3
		Colonnade	3
		12	15
Total Hours 120			

Animation Concentration

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
FILM 100		3 FILM 202	3
FILM 201		3 FILM 250	3
FILM 155		0 FILM 155	0
ART 130 or ART 140		3 ANIM 210	3
Colonnade		3 Colonnade	3
Colonnade		3 Colonnade	3
		Colonnade	3
		15	18

Second Year

Fall	Hours	Spring	Hours
1st Bi-Term		FILM 355	2
FILM 251		2 FILM 256	3
FILM 252		2 FILM 369	3
FILM 253		2 ANIM 220	3
FILM 254		2 Colonnade	3
2nd Bi-Term		Colonnade	3
FILM 290		2	
FILM 291		3	
FILM 292		3	
		16	17

Third Year

Fall	Hours	Spring	Hours
FILM 350		2 FILM 390	3
FILM 356		2 FILM 392	3
ANIM 310		3 FILM 393	3
Colonnade		3 FILM 394	3
Colonnade		3	
Colonnade		3	
		16	12

Fourth Year

Fall	Hours	Spring	Hours
FILM 486		3 FILM 466	3
FILM 489		3 FILM 493	3
FILM 490		3 Colonnade	3
FILM 492		3 Colonnade	3
		Colonnade	3
		12	15

Total Hours 121

Film, Bachelor of Arts (667P, 667)

Program Coordinator

Sara R. Thomason, sara.thomason@wku.edu, (270) 745-5890

The major in Film provides undergraduates a strong foundation in both film production and film studies. This combination allows students to gain the practical skills to succeed on a film set in both “below the line” and “above the line” roles, to experience the mechanics of film production in industry and independent settings, and to develop facility in critical and analytical thinking through the study of global film culture, history and aesthetics.

Admission Requirements

Students wishing to enter the major in Film initially are admitted as majors Seeking Admission (reference 667P). Prospective majors may take no more than 12 hours in the major before admission. Students must meet the following requirements before they can be admitted:

1. Completion of a minimum of 24 hours of coursework applicable to a baccalaureate degree;
2. A minimum overall grade point average of 2.5;
3. Completion of ENG 100 with a grade of “C” or higher and 9 additional hours in general education;
4. Completion of the following courses with a grade of “C” or higher: FILM 100, FILM 201, FILM 202, and FILM 250.

Students not meeting the above admission requirements will not be admitted to the Film major and cannot register for any additional courses in the major.

Program Requirements (36 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major in Film requires 36 semester hours. No course with a grade of “D” or below may be counted toward this major or fulfill prerequisite requirements for any major in the School of Media. One-half of the hours in the film major must be at the 300 or 400 level.

In addition to meeting institutional requirements for graduation, the Film major must have a minor or second major that is approved by the major faculty advisor and that is outside of both the School of Media and the Film Studies minor. Students may not select a minor from those offered within the School, unless taken as a second minor.

Code	Title	Hours
Core Courses		
FILM 100	Film Industry and Aesthetics	3
FILM 155	Film Attendance ^(Must be completed twice)	0
FILM 201	Introduction to the Cinema	3
FILM 202	Basic Film Production	3
FILM 250	Screenwriting I	3
FILM 282	Film Production Workshop I	3
FILM 369	Introduction to World Cinema	3
BCOM 366	Editing I	3
or FILM 256	Film Editing I	

Total Hours	21
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Code	Title	Hours
Students must take an additional 15 credit hours in Film, including at least two courses in the Film Studies category and two in the Film Production category ¹		15

Film Studies:		
FILM 367	Introduction to Film Genres	
FILM 399	Special Topics in Film	
FILM 469	Topics in World Cinema	
ENG 309	Documentary Film	
ENG 365	Film Adaptation	
ENG/FILM 366	History of Narrative Film	
ENG/FILM 465	Film Genres	
ENG/FILM 466	Film Theory	
BCOM 481	Problems in Mass Communication	
PS 303	Politics and Film	
ANTH 448	Visual Anthropology	
ENG 295	Popular Culture and Gender: Signs & Narratives	
Film Production:		
FILM 382	Film Production Workshop II	
FILM 394	Film Animation	

FILM 450	Feature Screenwriting
FILM 482	Film Production Workshop III
FILM 486	Film Capstone
BCOM 266	Basic Television Production
BCOM 367	Field Production
BCOM 463	Field Production II
BCOM 466	Television Directing
BCOM 480	Editing III
PJ 330	Short Form Documentary
PJ 430	Advanced Short Form Documentary
PERF 101	Acting
THEA/BCOM 303	Acting for the Camera
ENG 359	Topics in Scriptwriting
ANTH 449	Ethnographic Video Production
Total Hours	15

¹ Other courses may be approved as a restricted elective upon approval of the faculty advisor in the major and the program coordinator.

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
FILM 100		3 FILM 202	3
FILM 201		3 FILM 250	3
ENG 100		3 FILM 155	0
COMM 145		3 Colonnade: Literary Studies	3
FILM 155		0 Colonnade: Social & Behavioral Science	3
Colonnade: Quantitative Reasoning		3 Colonnade: Natural & Physical Science w/lab	3
	15		15

Second Year			
Fall	Hours	Spring	Hours
FILM 282		3 FILM Studies Elective	3
BCOM 366 or FILM 256		3 FILM Diversity Elective	3
HIST 101 or HIST 102		3 Colonnade: Natural & Physical Science	3
Minor Course		3 Minor Course	3
Minor Course or Foreign Language, if needed		3 General University Elective	3
FILM 155		0 FILM 155	0
	15		15

Third Year			
Fall	Hours	Spring	Hours
FILM 369		3 FILM Studies Elective	3
FILM 382		2 Colonnade: Writing in the Disciplines	3
Colonnade: Connections (Social and Cultural)		3 Colonnade: Connections (Local to Global)	3
Minor Course		3 Minor Course	3
Minor Course		3 General University Elective	3
	14		15

Fourth Year			
Fall	Hours	Spring	Hours
FILM Production Elective		3 FILM 482 (OR FILM Elective)	3

Minor Course	3 FILM 486	3
General University Elective	3 Colonnade: Connections (Systems)	3
General University Elective	3 General University Elective	3
General University Elective	3 General University Elective	3
	15	15

Total Hours 119

Hours include a minor requiring 21 total hours.

Journalism Writing, Minor (403)

Program Coordinator

Gordon D. McKerral, mac.mckerral@wku.edu, (270) 745-4144

Program Requirements (21 hours)

The minor in journalism writing requires a minimum of 21 hours. Students pursuing the minor can gain valuable knowledge and skills in professional media writing and journalistic storytelling.

Code	Title	Hours
SOM 101	Understanding Media Content, Ethics and Technology	3
JOUR 202	Introduction to News Writing	3
JOUR 301	Press Law and Ethics ¹	3
JOUR 302	Intermediate Reporting	3
JOUR 325	Feature Writing	3
Select two of the following: ²		6
JOUR 323	Multiplatform News Presentation	
JOUR 426	Advanced Reporting	
JOUR 467	News / Editorial Internship Practicum	
ENG 311	Creative Nonfiction Writing	
ENG 402	Editing and Publishing	
ENG 403	Writing Memoir and Autobiography	
FLK 373	Folklore and the Media	
SOM 310	Media Diversity	
BCOM 325	Survey of Electronic Media Writing	

Total Hours 21

¹ The prerequisite for JOUR 301 includes PS 110, which may be applied toward Colonnade requirements.

² One selected course must have a JOUR prefix. Additionally, some courses among these have prerequisites. Please check the catalog.

Half of the hours in the minor must be at the 300- or 400- level.

Journalism, Bachelor of Arts (736P, 736)

Program Coordinator

Gordon D. McKerral, mac.mckerral@wku.edu, (270) 745-4144

The world of journalism is changing. However, the need for excellent journalists is not. The Journalism major grounds its curriculum in the skills that all employers within the news media and professional communications want: strong writing and editing skills; excellent

storytelling skills; the ability to find and process complex information, and share it in a way that helps others understand it.

The core of the curriculum remains reporting, writing, and editing for print and the Web. That core is joined by a range of classes aimed at developing a foundation in multimedia storytelling: digital photojournalism, audio-visual gathering, and editing; and Web site development and content delivery. Ethical and professional standards, First Amendment principles, and media law concepts are incorporated throughout the curriculum to complete the program.

Specific objectives of the Journalism program:

1. To prepare students for professional careers in journalism and media information;
2. To instill in students a high degree of professionalism, which consists principally of practical competence and ethical understanding;
3. To enhance the student's understanding of the role of the press in a democratic society.

Program Admission Requirements

Students wishing to enter the major in journalism initially are admitted as majors seeking admission (reference 736P). Prospective majors may take no more than 15 hours in the major before admission. Students must meet the following requirements before they can be admitted:

1. Completion of a minimum of 24 hours of coursework applicable to a baccalaureate degree;
2. A minimum overall grade point average of 2.5;
3. Completion of ENG 100 with a grade of "C" or better and 9 additional hours in general education;
4. Completion of the following courses with a grade of "C" or better: SOM 101, SOM 102, and JOUR 202.

Students not meeting the above admission requirements will not be admitted to the Journalism major and cannot register for any additional courses in the major.

Program Requirements (42 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major in Journalism requires 42 semester hours. No course with a grade of "D" or below may be counted toward the major or fulfill prerequisite requirements for any major in the School. One-half of the hours in the major must be at the 300- or 400-level. Students must take a minimum of 72 semester hours in courses outside of the School of Media unit including the general education requirements.

In addition to meeting institutional requirements for graduation, the Journalism major must have a minor or second major outside of the School of Media and Film Studies that is approved by the major faculty advisor. Students may not select a minor in Film Studies, or those offered within the School, unless taken as a second minor.

Code	Title	Hours
SOM 101	Understanding Media Content, Ethics and Technology	3
SOM 102	Media Content, Collaboration and Community	3
AD 210	Software Studio	3
JOUR 202	Introduction to News Writing	3
JOUR 301	Press Law and Ethics	3
JOUR 302	Intermediate Reporting	3
JOUR 323	Multiplatform News Presentation	3
JOUR 325	Feature Writing	3
PJ 131	Fundamentals of Photography	3
PJ 261	Mobile Media Storytelling	3
BCOM 264	Digital Video Production and Distribution	3
Diversity Elective		
Select one from the following:		3
SOM 310	Media Diversity	
ANTH 448	Visual Anthropology	
COMM 463	Advanced Intercultural Communication	
CRIM 446	Gender, Crime, and Justice	
FLK 330	Cultural Connections and Diversity	
SOCL 355	Sociology of Gender	
SOCL 362	Social Institutions: Race, Class, and Gender	
SOCL 375	Diversity in American Society	
SPAN 345	Topics in Spanish	
Diversity class approved by an academic advisor.		
Captone		
Select one of the following:		3
JOUR 426	Advanced Reporting	
SOM 402	First Amendment Research and Reporting	
Elective ¹		
Select one of the following		3
BCOM 325	Survey of Electronic Media Writing	
BCOM 368	News Videography and Editing	
JOUR 422	Current Issues in Mass Communication	
JOUR 467	News / Editorial Internship Practicum	
JOUR 481	Problems in Mass Communication	
JOUR 491	Internship or Practicum	
ENG 311	Creative Nonfiction Writing	
ENG 402	Editing and Publishing	
ENG 403	Writing Memoir and Autobiography	
FLK 373	Folklore and the Media	
PJ 336	Picture Editing	
SOM 330	Interactive Design	
SOM 421	American News Media History	
Total Hours		42

¹ Some courses among these electives might have prerequisites. Please check the catalog.

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
SOM 101		3 JOUR 202	3
SOM 102		3 PJ 131	3
ENG 100		3 PS 110*	3
COMM 145		3 Colonnade: Arts & Humanities	3
Colonnade: Quantitative Reasoning		3 Colonnade: Natural & Physical Science w/lab	3
		15	15
Second Year			
Fall	Hours	Spring	Hours
BCOM 264		3 JOUR 302	3
AD 210		3 PJ 261	3
JOUR 323		3 Colonnade: Literary Studies	3
HIST 101 or HIST 102		3 Colonnade: Natural & Physical Science	3
Minor Course or Foreign Language, if needed		3 General University Elective	3
		15	15
Third Year			
Fall	Hours	Spring	Hours
JOUR 301		3 JOUR Elective	3
JOUR Diversity Elective		3 Colonnade: Writing in the Disciplines	3
Colonnade: Connections (Social and Cultural)		3 Colonnade: Connections (Local to Global)	3
Minor Course		3 Minor Course	3
Minor Course		3 General University Elective	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
JOUR 325		3 JOUR 426	3
Minor Course		3 Colonnade: Connections (Systems)	3
Minor Course		3 Minor Course	3
General University Elective		3 General University Elective	3
General University Elective		3 General University Elective	3
		15	15
Total Hours 120			

* PS 110 is the pre-requisite for BCOM 301.

Photojournalism, Bachelor of Arts (750P, 750)

Program Coordinator

James H. Kenney, james.kenney@wku.edu, (270) 745-6307

With a tradition of highly successful graduates, state-of-the-art facilities, and award-winning faculty, WKU's Photojournalism program is regarded as one of the nation's finest. The program is an integral component of the School of Media and has been a significant contributor to the high quality

of the university's student publications. In the William Randolph Hearst Journalism Awards competition, often referred to as the Pulitzer Prizes of collegiate journalism, WKU's Photojournalism program has won the Intercollegiate Photojournalism competition 27 out of 32 years, and the Intercollegiate Multimedia competition 8 out of 10 years.

The Photojournalism program emphasizes documentary photography, both still photography and video. Its comprehensive curriculum prepares students to enter the photojournalism profession at the highest level through the practice of producing content-driven stories for both online and traditional publications.

Admission Requirements

Students wishing to enter the major in Photojournalism initially are admitted as majors seeking admission (reference 750P). Prospective majors may take no more than 15 hours in the major before admission. Students must meet the following requirements before they can be admitted:

1. Completion of a minimum of 24 hours of coursework applicable to a baccalaureate degree;
2. A minimum overall grade point average of 2.5;
3. Completion of ENG 100 with a grade of "C" or better and 9 additional hours in the Colonnade program;
4. Completion of the following courses with a grade of "C" or better: SOM 101, SOM 102, PJ 131, and PJ 330 or PJ 331.

Students not meeting the above admission requirements will not be admitted to the Photojournalism major and cannot register for any additional courses in the major.

Program Requirements (45 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major in photojournalism requires 45 semester hours and leads to a Bachelor of Arts degree. No course with a grade of "D" or below may be counted toward the major or fulfill prerequisite requirements for any major in the School. One half of the hours in the major must be at the 300- or 400- level. Students must take a minimum of 72 semester hours in courses outside of the School of Media unit, including the University's Colonnade program requirements.

In addition to meeting the Colonnade and major requirements for graduation, the Photojournalism major must have a minor or second major outside of the School of Media that is approved by a major faculty advisor. Students may not select a minor in Film Studies, or those offered within the School, unless taken as a second minor. One-half of the hours must be at the 300- or 400-level.

Specific objectives of the photojournalism program:

1. To develop the artistic, technical and personal qualities of those who want to pursue a professional career in photojournalism and documentary video;

- To develop a background for understanding the role of storytelling through photojournalism and documentary video in shaping and reflecting contemporary society;
- To provide instruction in photographic theory, principles, ethics, and practice for students pursuing any area of scholarly activity;
- To provide a conceptual grounding in journalistic principles that will encourage advancement of the photojournalist in the profession.

Code	Title	Hours
SOM 101	Understanding Media Content, Ethics and Technology	3
SOM 102	Media Content, Collaboration and Community	3
PJ 131	Fundamentals of Photography	3
JOUR 202	Introduction to News Writing	3
PJ 330	Short Form Documentary	3
PJ 331	Photojournalism	3
PJ 333	Lighting Technologies	3
JOUR 302	Intermediate Reporting	3
PJ 430	Advanced Short Form Documentary	3
PJ 431	Advanced Photojournalism	3
PJ 436	Photojournalism Projects	3
Select one of the following law classes:		3
JOUR 301	Press Law and Ethics	
BCOM 301	Mass Communication Law and Ethics	

Diversity Elective

Select one of the following:		3
AFAM 190	African American Experience	
ART 317	Art and Power	
ART 390	Contemporary Art	
ART 405	Art Theory and Criticism	
ANTH 448	Visual Anthropology	
COMM 365	Intercultural Communication	
CRIM 361	Race, Class, and Crime	
CRIM 446	Gender, Crime, and Justice	
ENG 295	Popular Culture and Gender: Signs & Narratives	
FLK 330	Cultural Connections and Diversity	
GWS 200	Introduction to Gender And Women's Studies	
HIST 343	Communities of Struggle	
AFAM 343	Communities of Struggle	
PS 373	Minority Politics	
PS 374	Women and Politics	
SOCL 355	Sociology of Gender	
SOCL 362	Social Institutions: Race, Class, and Gender	
SOCL 375	Diversity in American Society	
SPAN 345	Topics in Spanish	
A diversity class approved by an academic advisor.		

Restricted Electives

Select two of the following:		6
JOUR 323	Multiplatform News Presentation	

JOUR 325	Feature Writing
PJ 336	Picture Editing
PJ 390	Cultural History of Photography
PJ 439	Advanced Lighting and Contract Photography
FILM 376	Cinematography
FILM 377	Film Sound
SOM 399	Special Topics in Media--Study Abroad
SOM 402	First Amendment Research and Reporting

Total Hours **45**

¹ Approved by departmental faculty advisor and taken during sophomore year.

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
SOM 101		3 PJ 331	3
SOM 102		3 PS 110*	3
ENG 100		3 Colonnade: Arts & Humanities	3
PJ 131		3 Colonnade: Quantitative Reasoning	3
COMM 145		3 Minor Course	3
		15	15

Second Year			
Fall	Hours	Spring	Hours
PJ 330		3 PJ 333	3
JOUR 202		3 PJ Diversity Elective	3
HIST 101 or HIST 102		3 Colonnade: Literary Studies	3
Colonnade: Natural & Physical Science w/lab		3 Colonnade: Natural & Physical Science	3
General University Elective or Foreign Language, if needed		3 Minor Course	3
		15	15

Third Year			
Fall	Hours	Spring	Hours
JOUR 301 or BCOM 301		3 JOUR 302	3
Colonnade: Connections (Social & Cultural)		3 Colonnade: Writing in the Disciplines	3
Minor Course		3 Colonnade: Connections (Local to Global)	3
Minor Course		3 Minor Course	3
General Elective		3 PJ 431	3
		15	15

Fourth Year			
Fall	Hours	Spring	Hours
PJ 430		3 PJ 436	3
PJ Elective		3 PJ Elective	3
Minor Course		3 Colonnade: Connections (Systems)	3
Minor Course		3 General University Elective	3

General Elective	3 General University Elective	3
	15	15
Total Hours 120		

* PS 110 is the pre-requisite for BCOM 301 and JOUR 301.

Photojournalism, Minor (433)

Program Coordinator

James H. Kenney, james.kenney@wku.edu, (270) 745-6307

Program Requirements (21 hours)

The minor in Photojournalism will enable students to obtain technical and aesthetic skills in visual storytelling. Emphasis will be placed on mastering the functions of the camera; learning software pertaining to digital image management, processing, and design; using documentary photographs to tell stories; practicing lighting techniques that contribute to visual content; surveying the historical and cultural aspects of photography; and analyzing the ethical implications of the visual medium. There are five core courses and two electives required for a total of 21 hours to complete the minor.

Code	Title	Hours
PJ 131	Fundamentals of Photography	3
PJ 331	Photojournalism	3
PJ 333	Lighting Technologies	3
PJ 336	Picture Editing	3
PJ 390	Cultural History of Photography	3
Select two of the following:		6
PJ 261	Mobile Media Storytelling	
PJ 330	Short Form Documentary	
PJ 431	Advanced Photojournalism	
PJ 439	Advanced Lighting and Contract Photography	

At least one elective must be chosen from the list above. A second elective can either be selected from this list or chosen from any 200-level or above School of Media course approved by a Photojournalism faculty advisor. Prerequisites for these courses may be required.

Total Hours 21

Interdisciplinary Programs

Degrees

- Honors Self-Designed Studies (566, 633, 539, 634) (p. 182)

Minors

- Asian Studies, Minor (317) (p. 180)
- Film Studies, Minor (358) (p. 182)
- Honors Self-Designed Studies, Minor (393) (p. 183)
- Latin American Studies, Minor (408) (p. 184)
- Legal Studies, Minor (409) (p. 184)
- Russian and East European Studies, Minor (451) (p. 185)

Certificates

- Brewing and Distilling Arts & Sciences, Certificate (1733) (p. 182)

Asian Studies, Minor (317)

Program Coordinator

Sophia R. Arjana, sophia.arjana@wku.edu, (270) 745-3841

Program Requirements (21 hours)

The minor in Asian studies requires 21 semester hours. Students must pursue one of two tracks — either the track in Asian Religions and Cultures or the South and East Asian track.

Asian Religions and Cultures Track

Code	Title	Hours
Religion		
Select three of the following:		9
RELS 102	World Religions	
RELS 302	Buddhism	
RELS 303	Hinduism	
RELS 306	Islam	
RELS 317	Confucianism	
RELS 318	Daoism	
RELS 319	Religions of Asia	
RELS 322	Pilgrimage, Islam and Modernity	
RELS 335	Islam, Sexuality, and Gender	

History and Politics

Select two of the following:		6
HIST 110	Introduction to Asian Civilization	
HIST 370	Modern South Asia: from Empires to Nations	
HIST 378	History of Yoga: Tradition, Literature, Practice	
HIST 379	Gandhi: The Creation of a Global Legacy	
HIST 460	Traditional East Asia	
HIST 461	Modern East Asia	
HIST 462	History of the Middle East	
HIST 466	The Arab-Israeli Conflict: Local and Global Influences	
HIST 471	Modern China	
HIST 472	Modern Japan	
PS 352	International Relations of the Middle East	
PS 359	Politics of North Korea	
PS 364	Chinese Politics	
PS 365	Government and Politics of the Middle East	
PS 366	Government and Politics in East Asia	

Electives

Select two of the following courses not already counted toward the minor:		6
ANTH 333	The Archaeology of Ancient China	

ARBC 101	Elementary Arabic I
ARBC 102	Elementary Arabic II
ARBC 201	Intermediate Arabic I
ARBC 202	Intermediate Arabic II
ARBC 301	Advanced Arabic I
ARBC 302	Advanced Arabic II
ARC 401	Topics in Asian Religions and Cultures
ARC 498	Study in Asian Religions and Cultures
ART 407	Islamic Art and Architecture
CHIN 101	Elementary Chinese I
CHIN 102	Elementary Chinese II
CHIN 201	Intermediate Chinese I
CHIN 202	Intermediate Chinese II
CHIN 301	Advanced Intermediate Chinese I
CHIN 302	Advanced Intermediate Chinese II
CHNF 101	Intensive Elementary Chinese I
CHNF 102	Intensive Elementary Chinese II
CHNF 201	Intensive Intermediate Chinese I
CHNF 202	Intensive Intermediate Chinese II
CHNF 301	Intensive Advanced Chinese I
CHNF 302	Intensive Advanced Chinese II
CHNF 420	Media Chinese
CHNF 430	Chinese Culture
CHNF 440	Chinese Tradition
CHNF 450	Classical Chinese
GEOG 465	Geography of East Asia
HIST 110	Introduction to Asian Civilization
HIST 370	Modern South Asia: from Empires to Nations
HIST 378	History of Yoga: Tradition, Literature, Practice
HIST 379	Gandhi: The Creation of a Global Legacy
HIST 460	Traditional East Asia
HIST 461	Modern East Asia
HIST 462	History of the Middle East
HIST 466	The Arab-Israeli Conflict: Local and Global Influences
HIST 471	Modern China
HIST 472	Modern Japan
JAPN 101	Elementary Japanese I
JAPN 102	Elementary Japanese II
JAPN 201	Intermediate Japanese I
JAPN 202	Intermediate Japanese II
PS 352	International Relations of the Middle East
PS 359	Politics of North Korea
PS 364	Chinese Politics
PS 365	Government and Politics of the Middle East
PS 366	Government and Politics in East Asia

RELS 100	The New Testament
RELS 101	The Old Testament/ Hebrew Scriptures
RELS 102	World Religions
RELS 302	Buddhism
RELS 303	Hinduism
RELS 306	Islam
RELS 317	Confucianism
RELS 318	Daoism
RELS 319	Religions of Asia
RELS 322	Pilgrimage, Islam and Modernity
RELS 335	Islam, Sexuality, and Gender

Total Hours **21**

Students must take courses from at least three different programs. At least 12 credit hours must be at the 300-level or above.

East and South Asian Track

Code	Title	Hours
Culture and History		
Select four of the following:		12
ANTH 333	The Archaeology of Ancient China	
HIST 110	Introduction to Asian Civilization	
HIST 370	Modern South Asia: from Empires to Nations	
HIST 378	History of Yoga: Tradition, Literature, Practice	
HIST 379	Gandhi: The Creation of a Global Legacy	
HIST 460	Traditional East Asia	
HIST 461	Modern East Asia	
HIST 471	Modern China	
HIST 472	Modern Japan	
RELS 102	World Religions	
RELS 302	Buddhism	
RELS 303	Hinduism	
RELS 306	Islam	
RELS 317	Confucianism	
RELS 318	Daoism	
RELS 319	Religions of Asia	
RELS 322	Pilgrimage, Islam and Modernity	
RELS 335	Islam, Sexuality, and Gender	

Electives

Select three of the following:		9
ARBC 101	Elementary Arabic I	
ARBC 102	Elementary Arabic II	
ARBC 201	Intermediate Arabic I	
ARBC 202	Intermediate Arabic II	
ARBC 301	Advanced Arabic I	
ARBC 302	Advanced Arabic II	
ARC 401	Topics in Asian Religions and Cultures	
ARC 498	Study in Asian Religions and Cultures	

CHIN 101	Elementary Chinese I	
CHIN 102	Elementary Chinese II	
CHIN 201	Intermediate Chinese I	
CHIN 202	Intermediate Chinese II	
CHIN 301	Advanced Intermediate Chinese I	
CHIN 302	Advanced Intermediate Chinese II	
CHNF 101	Intensive Elementary Chinese I	
CHNF 102	Intensive Elementary Chinese II	
CHNF 201	Intensive Intermediate Chinese I	
CHNF 202	Intensive Intermediate Chinese II	
CHNF 301	Intensive Advanced Chinese I	
CHNF 302	Intensive Advanced Chinese II	
CHNF 420	Media Chinese	
CHNF 430	Chinese Culture	
CHNF 440	Chinese Tradition	
CHNF 450	Classical Chinese	
GEOG 465	Geography of East Asia	
JAPN 101	Elementary Japanese I	
JAPN 102	Elementary Japanese II	
JAPN 201	Intermediate Japanese I	
JAPN 202	Intermediate Japanese II	
PS 359	Politics of North Korea	
PS 364	Chinese Politics	
PS 366	Government and Politics in East Asia	
Total Hours		21

Students must take courses from at least four different programs, and at least 12 hours must be at the 300-level or above.

Brewing and Distilling Arts & Sciences, Certificate (1733)

Program Coordinator

Kristina E. Arnold, kristina.arnold@wku.edu, (270) 745-3944

Humans have been brewing alcohol since the dawn of recorded history, and distilling stretches back over a thousand years. Brewing and distilling play a major role in the Kentucky and U.S. economy. Industries as diverse as farming, tourism, construction, and retail all rely on and contribute to alcohol production.

This multidisciplinary certificate is designed to complement an existing major in a related field, by providing a background understanding of topics related to the brewing and distilling industries—students need to become competitive in the marketplace.

Program Requirements (10-12 hours)

Code	Title	Hours
BDAS 300	The Science of Fermentation in Brewing and Distilling	3
ENT 312	Entrepreneurship	3
ART/HIST 395	A Cultural History of Alcohol	3
BDAS 495	Internship in Brewing/Distilling	1-3
Total Hours		10-12

Film Studies, Minor (358)

Program Coordinator

Theodore R. Hovet, ted.hovet@wku.edu, (270) 745-5782

Program Requirements (21 hours)

Code	Title	Hours
FILM 201	Introduction to the Cinema	3
ENG/FILM 366	History of Narrative Film	3
ENG/FILM 465	Film Genres	3
Select four of the following:		12
ANTH 448	Visual Anthropology	
ANTH 449	Ethnographic Video Production ¹	
BCOM 264	Digital Video Production and Distribution ¹	
BCOM 394		
BCOM 481	Problems in Mass Communication	
ENG 309	Documentary Film	
ENG 359	Topics in Scriptwriting	
ENG 365	Film Adaptation	
ENG/FILM 466	Film Theory	
ENG 499	Directed Study in English	
PS 303	Politics and Film	
THEA 303	Acting for the Camera	
FILM 100	Film Industry and Aesthetics	
FILM 369	Introduction to World Cinema	
FILM 399	Special Topics in Film (repeatable for credit)	
FILM 250	Screenwriting I	
FILM 450	Feature Screenwriting	
FILM 469	Topics in World Cinema	
Total Hours		21

¹ Note: ANTH 449 OR BCOM 264 will count toward the minor, but not both.

The minor in Film Studies will give students an opportunity to study several aspects of cinema in an organized, in-depth manner. Because it is an interdisciplinary minor, it will allow students to examine film from a variety of perspectives. Completing this minor will give students a strong background in media history and literacy and in the critical analysis of film.

Honors Self-Designed Studies (566, 633, 539, 634)

Program Coordinator

Susann Davis, susann.davis@wku.edu, (270) 745-3171

The Honors Self-Designed Studies (HSDS) major and minor permit students to design unique programs of study when WKU's existing programs do not adequately fit their needs. To better serve the needs of students, there are five separate options for pursuing an HSDS major/minor.

What are the general requirements for Honors Self-Designed Studies?

- Any proposed HSDS must be a major or minor WKU does not already have.
- At least one-half of the hours in any HSDS major or minor must be upper-division (numbered 300 or above).
- No more than six hours of courses used to satisfy Colonnade requirements may be used in the HSDS major or minor.
- The HSDS must include honors coursework, either through dedicated honors courses, or Honors Augmentation Contracts (HACs)
- In accordance with WKU degree requirements, any two separate academic degree programs must total a minimum of 54 credit hours and have at least 48 non-duplicated credit hours.
- Students completing an HSDS major or minor must complete all other requirements of the Mahurin Honors College.
- Students must meet with an MHC advisor and their HSDS faculty sponsor every semester and provide and update on progress.

How do I begin the process of creating an Honors Self-Designed Studies Major/Minor?

Choosing to create an HSDS major or minor is a highly personalized decision requiring you to carefully consider what educational options currently exist at WKU and your long-term academic and professional goals.

Step 1: Clearly understand and articulate your professional and personal goals.

Step 2: Refer to the Guide to Planning an HSDS Program (https://www.wku.edu/honors/academics/self-designed-studies/documents/guide_to_planning.pdf) to brainstorm, refine and, ultimately, design your major or minor.

Step 3: Meet with your MHC academic advisor to discuss how the HSDS major/minor fits with the MHC curriculum, including the required CE/T project.

Step 4: Submit your HSDS Proposal, which includes:

- A statement of 250 words describing how and why your academic, professional and intellectual goals are best achieved by an HSDS major/minor.
- A program of study detailing each course that will be part of your HSDS major and the semester in which you plan to take each course and which courses will be taken for honors credit.
- A list of three main learning outcomes that you will achieve through your HSDS major. These should focus on what the program of study will help you learn and understand, and how these outcomes are preparing you for the next stage of your academic, professional and intellectual journey.
- Signature from a faculty sponsor who supports and approves your HSDS major.

Proposal Forms:

- Stand-alone Major (https://www.wku.edu/honors/academics/self-designed-studies/documents/hsds_48hour_major.pdf)
- First Major (https://www.wku.edu/honors/academics/self-designed-studies/documents/hsds_36hour_major.pdf)

- Second Major (https://www.wku.edu/honors/academics/self-designed-studies/documents/hsds_30hour_major.pdf)
- Minor (https://www.wku.edu/honors/academics/self-designed-studies/documents/hsds_minor.pdf)

What happens after I submit my proposal?

The Assistant Director for Academics of the MHC reviews all proposals within two weeks. You will be notified by email if your proposal is accepted as is, or if revisions are required.

Upon approval: Work with your MHC advisor to change your major on TopNet. Use your approved proposal for planning and registration.

Upon earning 75 credit hours in residence: Work with your MHC Advisor to submit the *Honors Self-Designed Course Sheet*. This form will direct the Registrar's Office to create your program on the degree audit.

Honors Self-Designed Studies, Minor (393)

The Honors Self-Designed Studies (HSDS) major and minor permit students to design unique programs of study when WKU's existing programs do not adequately fit their needs. To better serve the needs of students, there are five separate options for pursuing an HSDS major/minor.

What are the general requirements for Honors Self-Designed Studies?

- Any proposed HSDS must be a major or minor WKU does not already have.
- At least one-half of the hours in any HSDS major or minor must be upper-division (numbered 300 or above).
- No more than six hours of courses used to satisfy Colonnade requirements may be used in the HSDS major or minor.
- The HSDS must include honors coursework, either through dedicated honors courses, or Honors Augmentation Contracts (HACs)
- In accordance with WKU degree requirements, any two separate academic degree programs must total a minimum of 54 credit hours and have at least 48 non-duplicated credit hours.
- Students completing an HSDS major or minor must complete all other requirements of the Mahurin Honors College.
- Students must meet with an MHC advisor and their HSDS faculty sponsor every semester and provide and update on progress.

How do I begin the process of creating an Honors Self-Designed Studies Major/Minor?

Choosing to create an HSDS major or minor is a highly personalized decision requiring you to carefully consider what educational options currently exist at WKU and your long-term academic and professional goals.

Step 1: Clearly understand and articulate your professional and personal goals.

Step 2: Refer to the Guide to Planning an HSDS Program (https://www.wku.edu/honors/academics/self-designed-studies/documents/guide_to_planning.pdf) to brainstorm, refine and, ultimately, design your major or minor.

Step 3: Meet with your MHC academic advisor to discuss how the HSDS major/minor fits with the MHC curriculum, including the required CE/T project.

Step 4: Submit your HSDS Proposal, which includes:

- A statement of 250 words describing how and why your academic, professional and intellectual goals are best achieved by an HSDS major/minor.
- A program of study detailing each course that will be part of your HSDS major and the semester in which you plan to take each course and which courses will be taken for honors credit.
- A list of three main learning outcomes that you will achieve through your HSDS major. These should focus on what the program of study will help you learn and understand, and how these outcomes are preparing you for the next stage of your academic, professional and intellectual journey.
- Signature from a faculty sponsor who supports and approves your HSDS major.

Proposal Forms:

- Stand-alone Major (https://www.wku.edu/honors/academics/self-designed-studies/documents/hsds_48hour_major.pdf)
- First Major (https://www.wku.edu/honors/academics/self-designed-studies/documents/hsds_36hour_major.pdf)
- Second Major (https://www.wku.edu/honors/academics/self-designed-studies/documents/hsds_30hour_major.pdf)
- Minor (https://www.wku.edu/honors/academics/self-designed-studies/documents/hsds_minor.pdf)

What happens after I submit my proposal?

The Assistant Director for Academics of the MHC reviews all proposals within two weeks. You will be notified by email if your proposal is accepted as is, or if revisions are required.

Upon approval: Work with your MHC advisor to change your major on TopNet. Use your approved proposal for planning and registration.

Upon earning 75 credit hours in residence: Work with your MHC Advisor to submit the *Honors Self-Designed Course Sheet*. This form will direct the Registrar's Office to create your program on the degree audit.

Latin American Studies, Minor (408)

Program Coordinator

Marc V. Eagle, marc.eagle@wku.edu, (270) 745-3841

Dr. Marc Eagle

Cherry Hall, Office 214B

Phone: (270) 745-7026

Email: Marc.Eagle@wku.edu

There are many potential reasons to study Latin America, from a personal love of Latin American music and dance to the professional advantages it can provide after graduation. Latin American and Caribbean countries have historically been closely involved with the U.S. both politically and economically. With the advent of the North American Free Trade Agreement in 1994, Mexico is an ever more important trading partner, and the U.S. continues to seek additional trade agreements throughout the region. Countries like Brazil are playing an increasingly important role

in the world economy. Developments in Latin American countries also affect the U.S. directly, and understanding Latin American issues is the key to creating informed policies that can benefit the entire hemisphere. Hispanics are now the largest and fastest-growing minority group in the U.S., so that Latin American culture has become a vital part of the diverse society of this country. Finally, Latin America is an exciting place to study; your experiences with the music, film, food, sports, and people of the region will remain with you for your entire life.

Program Requirements (21 hours)

The minor in Latin American studies requires a minimum of 21 semester hours. Latin American Society: Past and Present (cross-listed as GEOG 200, HIST 200, and SPAN 200) is required of students taking the minor. At least three departments must be represented among the remaining 18 hours. Completion of one year of college Spanish or Portuguese or its equivalent is an additional requirement.

Latin American Society: Past and Present. 3 hours. (Required) (equivalent to GEOG 200, HIST 200, and SPAN 200). The course is a broad, interdisciplinary introduction to the study of Latin America, emphasizing its regions, peoples and cultures. (Colonnade Connections SB course - 21 hours of Foundations and Explorations Courses, or junior status required). Meets Category E General Education requirement for students enrolled with a catalog term prior to Fall 2014.

Approved Courses for the Latin American Studies Minor are:

Code	Title	Hours
ANTH/FLK 340	Peoples and Cultures of Latin America	3
ANTH/FLK 342	Peoples and Cultures of the Caribbean	3
GEOG 462	Geography of South America	3
PS 362	Latin American Government and Politics	3
HIST 364	Colonial Latin America, 1400-1825	3
HIST 365	Modern Latin America, 1800-Present	3
HIST 464	Latin America and the United States	3
HIST 465	The Mexican Republic	3
SPAN 201	Intermediate Spanish I	3
SPAN 202	Intermediate Spanish II	3
SPAN 370	Spanish Conversation	3
SPAN 371	Spanish Composition and Grammar	3
SPAN 376	Literature and Culture of Latin America	3
SPAN 470	Advanced Oral Spanish	3
SPAN 471	Advanced Spanish Composition	3
SPAN 490	Hispanic Cinema	3

Interested students should consult the program advisors. Other courses with Latin American content can be substituted in the minor with the approval of the faculty advisors.

Legal Studies, Minor (409)

Advisor: Dr. Patricia Minter

Email: patricia.minter@wku.edu

Cherry Hall, Office 206

Phone: (270) 745-5098

Website: <http://www.wku.edu/legal-studies/>

Legal Studies

The Legal Studies minor provides students an interdisciplinary perspective while fostering greater understanding of the law as it relates to history, the sciences, and ethics in the United States and around the world. While this minor will appeal to pre-law students, it can also serve as a background for a wide variety of careers, including public administration, academics, government, homeland security, non-governmental organizations and law enforcement.

Why Legal Studies?

Legal Studies allows students from a broad range of disciplines to focus their studies using their own majors as a launching point for exploring how the study of law cuts across disciplinary lines. It offers courses in a wide variety of subjects, including philosophy and ethics, American legal history, political process, constitutional law, sociology and criminal justice, business, journalism and broadcasting, economics and property law, and environmental law and regulations.

Legal Studies prepares students for a wide variety of careers in law, business, journalism and broadcasting, public policy, and sciences. A future FBI agent, attorney, or advisor to a Fortune 500 company will need to understand not only environmental law, for example, but also the history of law in the United States as well as the ethical underpinnings of business law and ethics. For science majors, Legal Studies provides an interdisciplinary supplement to their major.

Program Requirements (24 hours)

Code	Title	Hours
Required Courses		
HIST 445	American Legal History to 1865	3
HIST 446	American Legal History Since 1865	3
PS 326	Constitutional Law	3
Restricted Electives		
POD 1:		
Select one of the following:		3
PHIL 350	Ethical Theory	
JOUR 301	Press Law and Ethics	
or BCOM 301	Mass Communication Law and Ethics	
PS 338	Government and Ethics	
POD 2:		
Select one of the following:		3
GEOG 487	Environmental Management and Law	
PSY 470	Psychology and Law	
CRIM 432	Sociology of Criminal Law	
POD 3:		
Select one of the following:		3
ECON 390	Economics, Law, and Public Choice	
MGT 200	Legal Environment of Business	
MGT 301	Business Law	
General Electives		
Select two of the following: ¹		6

BCOM 301	Mass Communication Law and Ethics
ECON 390	Economics, Law, and Public Choice
GEOG 487	Environmental Management and Law
HIST 430	History of the Civil Rights Movement in America
JOUR 301	Press Law and Ethics
MGT 200	Legal Environment of Business
MGT 400	Employment Law
PHIL 322	Biomedical Ethics
PHIL 323	Social Ethics
PHIL 350	Ethical Theory
PHIL 427	Philosophy of Law
PS 220	Judicial Process
PS 327	Civil Liberties
PS 338	Government and Ethics
PSY 470	Psychology and Law
RELS 202	Racial Justice
CRIM 330	Criminology
CRIM 332	Juvenile Delinquency
CRIM 346	Special Topics in Criminology
CRIM 432	Sociology of Criminal Law
Select a three-credit service-learning component in consultation with the program director	

Total Hours	24
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¹ Electives must be from two different disciplines.

Students should consult with the program director for the suggested sequence of studies and for course prerequisites.

Russian and East European Studies, Minor (451)

Program Coordinator

Marko Dumancic, marko.dumancic@wku.edu, (270) 745-3197

This interdisciplinary minor is designed with two main goals in mind. The first is to familiarize students with the most significant political and economic issues facing both Russia and the states of Eastern Europe. The second is to provide students a foundation for effective communication in Russian.

Because of Russia's dominant global role, it is essential that students become familiar with Russia and its language. With Russian being the language of approximately 250 million people, students minoring in REES will study one of the major languages of the world. Furthermore, Russian is recognized as a Critical Language by the US Departments of State and Defense. Fortunately, the language is not as hard as most people think; the alphabet takes less than a week to master. Learning Russian allows students to travel to Russia and witness first-hand the changes taking place in religious, economic, and cultural behaviors. Russian makes an excellent language for those pursuing careers in sociology, anthropology, criminology, political science, international law, geology, journalism, and international business.

Knowledge of East European and Russian societies opens the door to many exciting opportunities. A minor in Russian and East European Studies is not just for translators, diplomats, and teachers. Knowledge of Russia and East Europe can be helpful in landing a job in many fields. Having a REES minor makes any job candidate stand out from the crowd, whatever the field. A REES minor can careers in business, law enforcement, political analysis, work in international aid organizations, natural resource management, and computer science. For those seeking a career in research, Russia and East Europe is a massive field for study in disciplines like Religious Studies, Economics, Sociology, Anthropology, History, Political Science, and more.

Program Requirements (21 hours)

The minor requires seven courses, for a total of 21 credit hours. Students minoring in Russian and East European Studies construct their programs of study around two components.

Code	Title	Hours
Area-Specific Course Requirement		
Select three of the following: ¹		9
HIST 338	Russia to 1900	
HIST 438	Twentieth Century Russia	
PS 367	Government and Politics of Russia and Eastern Europe	
PS 369	Central European Politics	
Russian Language Requirement		
RUSS 101	Elementary Russian I	3
RUSS 102	Elementary Russian II	3
RUSS 201	Intermediate Russian I	3
RUSS 202	Intermediate Russian II	3
Total Hours		21

¹ Courses in this category must represent at least two difference departments.

Students in the minor are encouraged to participate in study abroad programs in Russia and/or Eastern Europe. By petition, credits earned through study abroad courses can fulfill minor requirements outlined above.

Gordon Ford College of Business

Grise Hall, Office 447

Phone: (270) 745-2279

Email: gfcbb@wku.edu

Website: <http://www.wku.edu/business> (<http://www.wku.edu/business/>)

Dr. Christopher Shook, Dean

Email: Christopher.Shook@wku.edu

Dr. Evelyn H. Thrasher, Associate Dean for Faculty and Administration

Email: Evelyn.Thrasher@wku.edu (evelyn.thrasher@wku.edu)

Dr. Dana Cosby, Associate Dean for Graduate Programs and Outreach

Email: Dana.Cosby@wku.edu (dana.cosby@wku.edu)

The Gordon Ford College of Business traces its roots to the Bowling Green Business University, founded in 1884 as the Southern Normal School and Business College. In 1907, the Southern Normal School became Western Kentucky State Normal School, and the Bowling Green Business University began a long history of nationally noted programs. In June 1963, Western Kentucky University assumed the business programs of the Bowling Green Business University, and in 1964 the Bowling Green College of Commerce became a division of the University. The name was changed in 1972 to the Bowling Green College of Business and Public Affairs; and following department realignment in 1979, it became the Bowling Green College of Business Administration. To honor the generosity of Gordon B. Ford, the college was renamed the Gordon Ford College of Business in December of 1998, becoming the second named business school in Kentucky. All business programs offered by the College are accredited by AACSB International - The Association to Advance Collegiate Schools of Business. WKU is one of only three universities in the Commonwealth of Kentucky to have "dual accreditation," meaning that both its business and accounting programs are AACSB accredited.

Vision

The Gordon Ford College of Business will be the school of choice in the region for applied business education and a leader of business thought and engagement.

Undergraduate Student Services and Academic Advising

Grise Hall 234

(270) 745-3290

<https://www.wku.edu/business/undergraduate-student-services/>

All WKU students must receive advising until they graduate. Professional advisors are available in the Undergraduate Student Services and Academic Advising Center (GH 234; 270-745-3290). Besides academic advising, the advisors provide assistance with degree requirements, information on study abroad, internship opportunities, and student/professional organizations, and help students locate other campus resources.

Center for Applied Data Analytics

Dr. Lily Popova Zhuhadar, Director

Grise Hall 226

(615) 604-4995

<https://sites.google.com/view/wkucada>

The mission of the Gordon Ford College of Business Center for Applied Data Analytics is to advance the science and practice of business analytics by bringing together professional and community-based constituents, faculty, and students to promote economic development, collaborative research, outreach, and education in the areas of applied analytics. We achieve our mission using our primary goals as described below.

Outreach

- Enhance the economic impact to the geographic area served by Western Kentucky University by analyzing customer, production, operational, and market data to improve decision making and enhance the quality of a company's products and services.
- Assist clients in synthesizing, aggregating, and analyzing data.

Education

- Train students and business professionals to leverage appropriate technologies and best practices used in data analytics.
- Provide our students with real-world experience and internships to promote potential job opportunities.

Collaborative Research

- Serve as a central facility to bring together expertise from a wide variety of disciplines.
- Perform applied interdisciplinary research that aids all aspects of our overall goals.

Center for Applied Economics

Dr. Sebastian Leguizamon, Director

Grise Hall 462

(270) 745-3970

<https://www.wku.edu/economics/cae/>

The WKU CAE is an outreach of the WKU Department of Economics and Gordon Ford College of Business. It serves as an economic information access point for Bowling Green and South Central Kentucky, provides a bridge between technical research in economics and the local community on relevant topics, provides fee-based studies, and engages graduate students in applied analysis.

Center for Financial Success

Andrew Head, Director

Grise Hall 322

(270) 883-1910

financialsuccess@wku.edu

www.wku.edu/cfs (<https://www.wku.edu/cfs/>)

The mission of the WKU Center for Financial Success is to be the primary and coordinating resource in aiding the university and regional community in becoming financially informed and independent by utilizing a combination of faculty expertise, peer-to-peer counseling, and applied financial planning education.

We would love to help you create a plan and ensure that you are on track to reaching your financial goals. Topics that we cover include, but are not limited to:

- Budgeting/Spending Plans
- Debt Management
- Student Loans

- Credit
- Retirement
- Savings Plans

Feel free to reach out for more information at financialsuccess@wku.edu!

Center for Professional Selling

Lukas Forbes, Director

Grise Hall 402

(270) 745-2993

lukas.forbes@wku.edu

www.wku.edu/cps (<https://www.wku.edu/cps/>)

Our Sales Program is one of twenty Fully Certified Sales Programs in the United States as a member of the University Sales Center Alliance (USCA). The WKU Center for Professional Selling is the only certified program in the Commonwealth of Kentucky and the surrounding geographic area.

The Center was formed by WKU in July 2007 with two specific goals:

1. Education Focus: Enhance the perception of the sales profession while preparing students for a career in sales. Development of appropriate curriculum to include a Major and Minor in Sales.
2. Business Focus: Strengthen the relationship between WKU and Corporations. Develop partnerships with corporations to provide real-world classroom activities in addition to internship or full-time employment opportunities.

Since 2007, our growth has been outstanding! We have grown more than 300% in the last decade and are among the fastest growing programs on campus. Currently, we have nearly 300 students who are either majoring or minoring in sales. Within the minor, more than 20 different majors are represented, ranging from finance to public relations and agriculture to psychology.

Center for the Study of Capitalism

Dr. Dennis Wilson, Director

Grise Hall 421

(270) 745-2632

dennis.wilson@wku.edu

www.wku.edu/capitalism (<https://www.wku.edu/capitalism/>)

The purpose of the WKU BB&T Center for the Study of Capitalism is to create a comprehensive program of study on the moral foundations of capitalism. It provides resources and learning opportunities to students and the public regarding capitalism's role in society.

Accounting Majors

Students interested in pursuing a major in Accounting must complete ACCT 220 and ACCT 110 with a grade of "B" or higher. Accounting students must also earn a grade of "C" or higher for any course serving as a prerequisite for any major required course.

Economics Majors

Economics majors pursuing a Bachelor of Arts degree are not required to take ACCT 220 and ACCT 110.

Gordon Ford College of Business Minors

A student who is not pursuing a major in the college may enroll in upper-division courses leading to a minor in the college provided the student has met the prerequisites for the course(s).

Registration

Under most circumstances, students are approved to register for upper-division courses in the college without making application. Eligible students who experience problems with registration should contact the Undergraduate Student Services and Academic Advising Center (Grise Hall 449).

Transfer Policies

Students pursuing a major in the Gordon Ford College of Business must earn a minimum of one-half of the major in residence at Western Kentucky University.

Students wishing to transfer to Western Kentucky University need to follow Colonnade Program guidelines as listed in the catalog. This strategy should minimize the risk of losing credits toward graduation. Courses that are offered only at the upper-division level at Western Kentucky University should not normally be taken at other schools. Students are advised to consult the Western Kentucky University department chair of their major program or the Undergraduate Student Services and Academic Advising Center (Grise Hall 234) regarding the transferability of any upper-division course. Students who plan to enroll or who are presently enrolled in junior or community colleges who envision transferring to WKU to complete a baccalaureate degree in the Gordon Ford College of Business should follow a program of Colonnade and prerequisite courses similar to the catalog requirements for freshmen and sophomores on the WKU campus. The Gordon Ford College is an active participant in the statewide transfer agreement for business programs for KCTCS students completing the A.A. or A.S. degrees. Students enrolled in the Kentucky Community and Technical College System (KCTCS) should contact their advisor for specific information on transferring courses to the Gordon Ford College of Business and Western Kentucky University.

Most Bachelor of Science programs in the Gordon Ford College of Business are structured as shown below:

Code	Title	Hours
	Colonnade Program	39
	Academic and Career Preparation Core	30
	Advanced Major and elective courses	51
Total Hours		120

- Department of Accounting (p. 189)
 - Accounting, Bachelor of Science (602) (p. 190)
- Department of Analytics and Information Systems (p. 191)
 - Applied Data Analytics, Certificate (1734) (p. 192)
 - Business Data Analytics, Bachelor of Science (504) (p. 193)
 - Computer Information Systems, Minor (347) (p. 194)
- Department of Economics (p. 195)
 - Business Economics, Bachelor of Science (724) (p. 196)
 - Economics, Bachelor of Arts (638) (p. 198)
 - Economics, Minor (356) (p. 199)
 - Mathematical Economics, Bachelor of Science (731P, 731) (p. 199)

- Department of Finance (p. 201)
 - Accredited Financial Counselor, Certificate (1758) (p. 202)
 - Finance, Bachelor of Science (664) (p. 202)
 - Finance, Minor (357) (p. 207)
 - Financial Planning, Certificate (200) (p. 207)
- Department of Management (p. 207)
 - Business Administration, Minor (332) (p. 208)
 - Entrepreneurship, Minor (355) (p. 208)
 - Global Business, Minor (333) (p. 209)
 - Management, Bachelor of Science (723) (p. 209)
- Department of Marketing (p. 215)
 - Marketing, Bachelor of Science (720) (p. 216)
 - Marketing, Minor (413) (p. 219)
 - Sales, Minor (452) (p. 219)
- Interdisciplinary Programs (p. 220)
 - Advanced Professionalism, Certificate (1730) (p. 220)

Department of Accounting

Mark Ross, Chair

Email: Mark.Ross@wku.edu (mark.ross@wku.edu)

Grise Hall, Office 502

Phone: (270) 745-2964

Email: acctdept (<http://catalog.wku.edu/undergraduate/business/accounting/acctdept@wku.edu>)@wku.edu (Acct@wku.edu)

Website: <http://www.wku.edu/accounting> (<http://www.wku.edu/accounting/>)

Mission Statement

The mission of the Department of Accounting at Western Kentucky University is to provide quality accounting education and prepare students for successful and rewarding careers in accounting and business.

The mission is supported by:

- effective teaching.
- applied, pedagogical, and discipline-based research.
- service to the college, the university, the profession, and the business community.

Accounting Program

The accounting department provides a challenging program of study for students who desire to pursue a major in the field of accounting. Students are engaged in unique and enriching learning experiences both inside and outside the classroom. Upon the successful completion of the 120-hour undergraduate program, students are prepared for a rewarding career in public accounting, industry, government, and other business fields.

Transfer Students

Students in community or junior colleges who plan to transfer to Western Kentucky University to complete a baccalaureate degree in accounting should concentrate on courses which will satisfy Colonnade Program requirements. Credit for accounting or business courses completed at community or junior colleges, except some 200-level courses, will generally not be allowed as part of the Accounting Program.

Students attending four-year schools who wish to transfer to Western Kentucky University should follow a program of Colonnade and prerequisite courses for entry into the Accounting Program. For accounting and business courses offered only at the 300-level and 400-level at Western Kentucky University, a maximum of nine semester hours may be transferred from other four-year schools for credit in the accounting major. Such transfers require the approval of the Western Kentucky University Chair of Accounting. Such courses completed before entering WKU will be accepted for transfer credit as part of the accounting program only if the grade of "C" or better was earned. Students already enrolled at Western Kentucky University should not plan on completing accounting requirements at other institutions.

Pilot Program

Students who successfully complete the high school AICPA Accounting Program for Building the Profession (APBP) and pass the APBP exam will receive three hours of proficiency credit that will meet the prerequisite requirement for ACCT 110 and ACCT 300. Contact the department for additional information.

Program of Study

When planning a program of study in this department, students should refer to the suggested Program of Study. Each student should be aware of the University's academic requirements and regulations contained in this catalog in the chapter titled "Academic Information." Students are encouraged to contact the Gordon Ford College of Business Undergraduate Student Services and Academic Advising Center and/or the Accounting Department Chair for academic advising and assistance. For career-related information, students should contact the Accounting Department, Center for Career and Professional Development, GFCB Internship Coordinator, or an Accounting faculty member for career mentoring and advising.

Degree

- Accounting, Bachelor of Science (602) (p. 190)

Faculty Professor

Yining Chen PhD (Business Administration), University of South Carolina - Columbia, 1993

Associate Professor

Jason M. Bergner PhD (Business Administration), University of Kentucky, 2011

Stacy R. Bibelhauser PhD (Business Administration), University of Kentucky, 2004

Nicholas J. Fessler PhD (Business), Indiana University-Bloomington, 1999

Minwoo Lee PhD (Business Administration), University of Pittsburgh Camp, 1993

Mark T. Ross PhD (Business Administration, Finance), University of Arizona, 1996

Assistant Professor

Charles O. Kile PhD (Business Administration), Washington University, 1993

Pinky Rusli PhD (Business Administration), University of Kentucky, 2017

Pedagogical Assistant Professor

Heather L. Glass MS (Accountancy), College of Charleston, 2010

Braden G. Grant MACC, Western Kentucky University, 2014

Accounting, Bachelor of Science (602)

Program Coordinator

Mark T. Ross, mark.ross@wku.edu, (270) 745-2964

Why study Accounting?

An accounting major can lead to a successful career in many different areas of accounting and business. From the smallest start-up company to large international companies and governmental agencies, **every organization requires the skills of accountants.**

Why study Accounting at WKU?

Lots of reasons! Here are just a few:

- The accounting programs at WKU focus on developing communication, critical thinking, problem-solving, team building, and technical competencies.
- WKU Accounting graduates have one of the highest passage rates for the CPA Exam (for schools in Kentucky and surrounding areas with undergraduate accounting programs).
- The Department of Accounting and the Gordon Ford College of Business both are accredited by the AACSB – International (<http://www.aacsb.edu/>). Of the 12,000 collegiate business schools worldwide, only 186 have been able to attain AACSB accreditation in both Business and Accounting.
- The Joint Undergraduate Master's Program (JUMP) allows undergraduates to pursue both the Bachelor and Master (MAcc) degrees concurrently.
- Accounting students participate in the University's Honors program and/or take advantage of Study Abroad & Global Learning (<https://www.wku.edu/studyabroad/>) opportunities.
- Over 65% of senior accounting students have career-related experiences prior to graduation. WKU's Career Services Center (<https://www.wku.edu/career/>) and the Department of Accounting provide Academic and Career Orientation sessions designed specifically for accounting majors
- WKU accepts the High School "Pilot Project" Advanced Placement (AP) course and gives students who successfully pass (score a 3 or higher) on the AP test 3 hours credit for our ACCT 110 course. WKU is among very few institutions in the U.S. offering this service to students!

Professional Certification

While not a requirement for successful completion of the program, the Department strongly encourages the student to pursue one or more professional certifications. Two of the more common are CPA (certified public accountant) and CMA (certified management accountant).

Information regarding the certifications can be found through on following websites:

KY Board of Accountancy - <https://cpa.ky.gov/becomingcpa/Pages/default.aspx>

AICPA - <https://www.aicpa.org/resources/toolkit/cpa-exam> (<https://www.aicpa.org/resources/toolkit/cpa-exam/>)

NASBA - <https://nasba.org/exams/cpaexam/>

IMA - [https://www.imanet.org/cma-certification-lp/2022?](https://www.imanet.org/cma-certification-lp/2022?gclid=EAlaQobChMI1vqR19nD9QIVRxitBh0V0gOMEAAAYASAAEgIelfD_BwE&ssopc=(https://www.imanet.org/cma-certification-lp/2022/?gclid=EAlaQobChMI1vqR19nD9QIVRxitBh0V0gOMEAAAYASAAEgIelfD_BwE&ssopc=)

[gclid=EAlaQobChMI1vqR19nD9QIVRxitBh0V0gOMEAAAYASAAEgIelfD_BwE&ssopc=](https://www.imanet.org/cma-certification-lp/2022/?gclid=EAlaQobChMI1vqR19nD9QIVRxitBh0V0gOMEAAAYASAAEgIelfD_BwE&ssopc=)

Program Requirements (75 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The undergraduate major in Accounting requires 75 hours of professional and elective courses and leads to a Bachelor of Science degree. No minor is required, although approved minors and certificates inside or outside the college are encouraged.

Business Core

Employers are seeking business graduates who 1) are well-prepared in their specific major, 2) possess foundational knowledge about other business disciplines, and 3) are career ready and professional. All majors in the GFCB complete courses specific for their selected major, a common set of business and career preparation courses (the business core), and MATH 123 (Mathematical Applications for Business).

Code	Title	Hours
Business Foundations Courses		
MATH 123	Mathematical Applications for Business (This course also fulfills the Math requirement for the Colonnade.)	3
ACCT 110	Accounting for Decision Makers	3
ECON 202	Principles of Economics (Micro)	3
ECON 206	Statistics	3
FIN 330	Principles of Finance	3
BDAN 250	Introduction to Analytics	3
MGT 210	Organization and Management	3
MKT 220	Basic Marketing Concepts	3
MGT 498	Strategy and Policy	3
Career Preparation Courses		
BA 170 or BA 175 or BA 220	Business Student Basics ¹ University Experience-Business Special Topics in Business Administration (Lower Division)	1
MGT 261	Business Communication Fundamentals	3
ACCT 399	Career Readiness in Accounting	1
ACCT 499	Senior Assessment in Accounting	1
Accounting Major (42 hrs)		
ACCT 220	Principles of Financial Accounting	3
ACCT 300	Intermediate Financial Accounting I	3
ACCT 301	Intermediate Financial Accounting II	3
ACCT 303	Intermediate Financial Accounting III	3

ACCT 310	Managerial Cost Accounting	3
ACCT 311	Managerial Cost Accounting II	3
ACCT 312	Accounting Information Systems	3
ACCT 430	Federal Taxation – Individuals	3
ACCT 450	Auditing and Assurance Services	3
Select THREE of the following courses:		9
ACCT 401	Business Combinations and Related Topics	
ACCT 410	Critical Thinking in Managerial Accounting	
ACCT 412	Data Analysis for Accounting	
ACCT 420	Governmental and Not for Profit Accounting	
ACCT 431	Federal Taxation – Business Entities	
Select ONE of the following courses:		3
ACCT 440	Business Law for the Accounting Professional	
MGT 200	Legal Environment of Business	
MGT 301	Business Law	
... Select ONE of the following courses ...		3
ECON 306	Statistical Analysis	
ECON 307	Financial Data Modeling	
Total Hours		75

¹ BA175 is only for Business LLC students. BA220 is only for WKU students and transfer students who choose a business major as a sophomore or higher.

Pursuing a Second Degree in Accounting

Individuals who have already received a college degree have the opportunity of enrolling in WKU to pursue a degree in accounting.

Students with a first degree in the area of business should be able to complete the Bachelor of Science degree in accounting with approximately 30 additional hours. Those individuals without previous courses in business tend to need a higher number of hours to complete the second degree.

Second baccalaureate degree candidates are exempt from the Western Kentucky University Colonnade requirements. Accounting students must, however, complete the math requirement and an approved speech course, either in previous college work or as a part of the proposed course of study.

Only those accounting and professional business courses completed within five years of the time that the student enrolls for the second degree in accounting will be accepted. Because the business environment is ever changing, subject matter taken in courses completed several years ago is likely forgotten or not currently relevant.

The decision to accept coursework toward the second degree rests with the Department Chair of Accounting.

The prospective candidate for the second degree should contact the Department Chair of Accounting to schedule a meeting to evaluate their situation, to develop a program of study, and to obtain an estimate of the time necessary to complete the second degree in accounting.

Finish in Four

Students pursuing the Accounting JUMP Program will need to consult with their assigned Academic Advisor as the Finish in Four Plan will differ.

First Year			
Fall	Hours	Spring	Hours
ACCT 110		3 ACCT 220	3
BA 170		1 BDAN 250	3
COMM 145		3 ECON 202	3
ENG 100		3 HIST 101 or HIST 102	3
MATH 123		3 Colonnade: Arts and Humanities	3
General University Elective		3	
		16	15

Second Year			
Fall	Hours	Spring	Hours
ACCT 300		3 ACCT 301	3
ACCT 310		3 ACCT 311	3
ECON 206		3 ACCT 399	1
MGT 261		3 MGT 210	3
Colonnade: Literary Studies		3 Colonnade: Connections (Local to Global)	3
		Colonnade: Natural & Physical Sciences with lab	3
		15	16

Third Year			
Fall	Hours	Spring	Hours
ACCT 303		3 ACCT 430	3
ACCT 312		3 ACCT Elective (ACCT 401, 410, 412, 420)	3
FIN 330		3 ECON 306 or ECON 307	3
MKT 220		3 Colonnade: Connections (Social and Cultural)	3
Colonnade: Natural and Physical Sciences		3 Colonnade: Writing in the Disciplines	3
		15	15

Fourth Year			
Fall	Hours	Spring	Hours
ACCT Elective (ACCT 401, 410, 420, or 431)		3 ACCT 450	3
MGT 200, MGT 301, or ACCT 440		3 ACCT Elective (ACCT 401, 410, 412, 420, or 431)	3
Colonnade: Connections (Systems)		3 ACCT 499	1
General University Elective		3 MGT 498	3
General University Elective		3 General University Elective	3
		15	13

Total Hours 120

Department of Analytics and Information Systems

Dr. Ray Blankenship, Chair
Email: Ray.Blankenship@wku.edu

Grise Hall, Office 200
Phone: (270) 745-3509

Department Website: www.wku.edu/ais (<https://www.wku.edu/ais/>)

The field of business data analytics explores the interplays between technology, business, and society. Business data analytics utilizes information management tools for the processing, management, and analysis of data that relates to business. Graduates in Business Data Analytics serve as a bridge between the builders and users of technology and global innovations. Occupations in this field include Business Analyst, Customer Intelligence Analyst, Database Administrator, and Healthcare Analyst.

The AIS Department at WKU offers several professionally-focused programs that prepare students for these, and many other, dynamic opportunities:

- Business Data Analytics (BDAN)
- Applied Data Analytics Certificate
- Minor in Computer Information Systems
- MBA Concentrations
- Data Analytics
- Cybersecurity Data Analytics

Overview of Computing Facilities

Western Kentucky University maintains a number of general-purpose computing labs across campus with a computer-to-student ratio that is among the highest of all state universities. In addition, the Department of Analytics and Information Systems offers extensive hands-on learning opportunities through its own computer-enhanced instructional classrooms, computer labs, and many web-enabled courses. These resources are available at WKU's main and regional campuses. These resources allow BDAN students to make use of the latest hardware and software technologies in their major courses. This unique blend of classroom instruction and hands-on experience helps to prepare our graduates for professional success.

Degree

- Business Data Analytics, Bachelor of Science (504) (p. 193)

Minor

- Computer Information Systems, Minor (347) (p. 194)

Certificate

- Applied Data Analytics, Certificate (1734) (p. 192)

Faculty

Professor

John K. Atkinson EdD (Adult, Higher, and Community Education, Information & Communication Sciences), Ball State University, 2007
Ray Blankenship PhD (Business Administration- Management Information Systems), University of Mississippi, 1994

Mark D. Ciampa PhD (Tech Mgt (Digital Comm Systems)), Indiana State University, 2008

Evelyn H. Thrasher PhD (Management), Auburn University, 2006

Associate Professor

Thaddeus R. Crews PhD (Computer Science), Vanderbilt University, 1995
Sean R. Marston PhD (Business Administration, Information Systems and Operation), University of Florida, 2010

Lily P. Zhuhadar PhD (Computer Science and Engineering), University of Louisville, 2009

Assistant Professor

John A. Erickson PhD (Data Science), Worcester Polytech Institute, 2021

Instructor I

Adam P. Brownlee MBA (Business Administration), Western Kentucky University, 2014

Instructor II

James H. Lindsey MS (Information Sciences and Systems), Bowie State University, 2000

Applied Data Analytics, Certificate (1734)

Program Coordinator

Ray Blankenship, ray.blankenship@wku.edu, (270) 745-5952

The certificate of Applied Data Analytics exposes students to how data is acquired, how to frame an analytic problem, determine which methodologies to use to solve a problem, and to build deployable models.

Program Requirements (18 hours)

The 18 hour certificate is based on 15 hours of core courses and 3 hours of advisor-approved upper-division courses. The approved elective may be from the Gordon Ford College of Business or any other college.

Code	Title	Hours
ECON 206	Statistics	3
BDAN 250	Introduction to Analytics ¹	3
BDAN 305	Principles of MIS with Spreadsheets ²	3
or FIN 389	Financial Analysis and Modeling	
BDAN 310	Business Data Analytics	3
BDAN 330	Structured Data Analysis ³	3
or BDAN 430	Data Visualization	
Select 3 hours from the following or any data analytics course with department approval		3
ACCT 312	Accounting Information Systems	
ACCT 412	Data Analysis for Accounting	
ECON 306	Statistical Analysis	
ECON 307	Financial Data Modeling	
ECON 465	Regression and Econometric Analysis	
ECON 480	Economic Forecasting	
ENT 496	Small Business Analysis and Strategy	
FIN 389	Financial Analysis and Modeling	
FIN 450	Financial Plan Development	
MGT 313	Decision Modeling	
MGT 314	Operations Management	
MGT 383	Human Resource Information Systems	
MKT 321	Consumer Behavior	
MKT 421	Marketing Research	
MKT 431	Advanced Social Media Marketing	

Total Hours

18

- ¹ BDAN250 is required for all business majors.
- ² Students pursuing the Business Finance Concentration may take FIN 389 (Financial Analysis and Modeling) instead of BDAN 305.
- ³ Students pursuing the Business Finance Concentration may take BDAN 430 (Data Visualization) instead of BDAN 330.

Business Data Analytics, Bachelor of Science (504)

Program Coordinator

Ray Blankenship, ray.blankenship@wku.edu, (270) 745-5952

The Business Data Analytics major requires 66 semester hours. The major is designed to prepare students for professional careers using data analytics and technology. Students are trained to use data to improve decision making and gain insight. Local and global businesses are increasingly relying on the acquisition, management, and analysis of data. As the amount of data increases from all aspects of society so does the need for employees trained in data analytics. The Business Data Analytics major will provide students with a solid business foundation combined with a relevant study of data analytics. This major will help strengthen the knowledge economy in Kentucky and increase the availability of trained data analysts.

Program Requirements (66 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
Business Foundations		
MATH 123	Mathematical Applications for Business ¹	3
ACCT 110	Accounting for Decision Makers	3
BDAN 250	Introduction to Analytics	3
ECON 202	Principles of Economics (Micro)	3
ECON 206	Statistics	3
FIN 330	Principles of Finance	3
MKT 220	Basic Marketing Concepts	3
MGT 210	Organization and Management	3
MGT 498 or ENT 496	Strategy and Policy Small Business Analysis and Strategy	3
Career Preparation		
BA 170 or BA 175 or BA 220	Business Student Basics ² University Experience-Business Special Topics in Business Administration (Lower Division)	1
MGT 261	Business Communication Fundamentals	3
BDAN 399	Career Readiness in Business Data Analytics	1

BDAN 499	Senior Assessment in Business Data Analytics	1
Required for All Business Data Analytics Majors		
MGT 200	Legal Environment of Business	3
BDAN 305	Principles of MIS with Spreadsheets	3
BDAN 310	Business Data Analytics	3
BDAN 330	Structured Data Analysis	3
BDAN 350	Data Management	3
BDAN 410	DSS Analysis and Design	3
BDAN 420	Predictive Modeling	3
BDAN 430	Data Visualization	3
Select 9 hours from the following:		9
CIS 141	Analytics and Technology ³	
ACCT 3@		
ACCT 4@		
BDAN 3@		
BDAN 4@		
ECON 3@		
ECON 4@		
ENT 3@		
ENT 4@		
FIN 3@		
FIN 4@		
MGT 3@		
MGT 4@		
MKT 3@		
MKT 4@		
COMM 345	Advanced Public Speaking	
COMM 346	Persuasion	
COMM 349	Small Group Communication	
COMM 362	Organizational Communication	
CRIM 232	Introduction to Law Enforcement	
CRIM 330	Criminology	
CRIM 332	Juvenile Delinquency	
ENG 301	Argument and Analysis in Written Discourse	
ENG 306	Business Writing	
ENG 307	Technical Writing	
ENG 401	Advanced Composition	
ENG 415	Writing and Technology	
GISC 316	Fundamentals of GIS	
GISC 317	Geographic Information Systems	
GISC 417	GIS Analysis & Modeling	
GISC 419	GIS Programming	
HCA 340	Health Care Organization and Management	
HCA 342	Human Resources Management for Healthcare Managers	
HCA 343	Quality Management for Healthcare	
HCA 344	Health Systems Management	
HCA 346	Ambulatory Care Administration	
HCA 442	Principles and Methods of Health Planning	

HCA 445	Health Care Finance
HCA 446	Health Care Informatics
MIL 301	Army Training Management and Warfighting Functions
MIL 302	Applied Tactical Army Leadership
MIL 401	Professional Leadership Skills

Total Hours **66**

- ¹ Or any calculus class, or math ACT score of at least 26, or math SAT score of at least 610
- ² BA175 is only for Business LLC students. BA220 is only for transfer students and students who choose a business major as a sophomore or later.
- ³ CIS 141 is highly recommended for Business Data Analytics majors, especially those without training on Microsoft Office

Finish in Four Plan Business Data Analytics

First Year

Fall	Hours	Spring	Hours
BA 170		1 ACCT 110	3
CIS 141 (or another elective) ³		3 COMM 145	3
ECON 202		3 HIST 101 or HIST 102	3
ENG 100		3 Colonnade: Arts & Humanities	3
MATH 123		3 Colonnade: Natural & Physical Sciences with lab	3
General University Elective		2	
	15		15

Second Year

Fall	Hours	Spring	Hours
ECON 206		3 BDAN 250	3
MGT 261		3 MGT 200	3
MGT 210		3 MKT 220	3
Colonnade: Literary Studies		3 Colonnade: Connections ¹	3
General University Elective		3 Colonnade: Natural & Physical Sciences	3
	15		15

Third Year

Fall	Hours	Spring	Hours
BDAN 305		3 BDAN 310	3
General University Upper-Division Elective		3 BDAN 330	3
FIN 330		3 BDAN 350	3
Colonnade: Connections ²		3 CIS 205 (Colonnade: Connections)	3
General University Elective		3 BDAN 399	1
		Colonnade: Writing in the Disciplines	3
	15		16

Fourth Year

Fall	Hours	Spring	Hours
BDAN 410		3 Business Data Analytics Upper-Division Elective	3

BDAN 420	3 Business Data Analytics Upper-Division Elective	3
BDAN 430	3 General University Elective	3
Business Data Analytics Upper-Division Elective	3 General University Elective	3
General University Upper-Division Elective	3 MGT 498 or ENT 496	3
	BDAN 499	1
	15	16

Total Hours 122

Computer Information Systems, Minor (347)

Program Coordinator

Ray Blankenship, ray.blankenship@wku.edu, (270) 745-5952

The CIS minor has been specifically designed for non-technical majors who want to learn more about how technology can improve their personal and professional productivity. Students in the CIS minor take a set of required and elective courses in areas such as web-design, desktop publishing, multi-media, computer graphics, geographic information systems, computer-aided drafting and digital video production. Almost all professions today require their employees to be proficient with computers—not just ‘literate.’ The CIS minor is a valuable addition to any WKU major.

Program Requirements (18 hours)

Code	Title	Hours
CIS 141	Analytics and Technology	3
BDAN 305	Principles of MIS with Spreadsheets	3
CIS 320	Personal Information Technologies	3
CIS 321	Emerging Information Technologies	3
Select two of the following approved electives: ¹		6
AS 163	Architectural Drafting	
BCOM 264	Digital Video Production and Distribution	
BCOM 394		
CS 170	Problem Solving and Programming	
CS 180	Computer Science I	
ENG 307	Technical Writing	
GISC 317	Geographic Information Systems	
HIM 100	Health Data Content and Structure	
HMD 252	Hospitality Information Technology	
MGT 313	Decision Modeling	
MKT 328	Digital Marketing	
MKT 331	Social Media Marketing	
PJ 131	Fundamentals of Photography	
PR 356	Digital Tactics in Public Relations	

Total Hours **18**

¹ No more than three hours of electives may be used to fulfill other degree requirements. Students with a minor in computer information systems receive a 3-hour waiver in upper-division coursework in the minor. See the department about other elective options.

Department of Economics

Dr. Alex Lebedinsky, Chair

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Grise Hall, Office 431

Phone: (270) 745-3150

Email: ECON@wku.edu

Website: <http://www.wku.edu/economics> (<http://www.wku.edu/economics/>)

Mission Statement

The primary mission of the Economics Department is to offer a high-quality education that will prepare students for a wide variety of careers in business, public sector, and education. To fulfill this mission, the economics faculty emphasizes excellence in teaching and research and engages in service to the university and the community.

Economics

Economics is the study of how humans decide how to use the limited resources they have. Economic principles are at the core of decision-making by businesses, governments, non-profit organizations, individuals, and families, because the limited resources are not just money and raw materials – they are also time, attention, computing resources, food, water, hospital beds, or seats on a crowded subway. Economics is everywhere: you can be a business economist, a sports economist, an environmental economist, a health economist, or a transportation economist.

Economics as a science relies heavily on data analysis because economists use real-world data to study economic relationships and to develop a better understanding of the world. Therefore, a graduate of an economics program will not only have the knowledge of economic principles that drive the economy much like the laws of physics rule the universe but will also leave with a toolkit of quantitative skills.

This combination of the economic way of thinking and data analytic skills prepares students for many different employment opportunities. Our graduates pursue careers in finance, banking, insurance, local and federal governments, public utilities, research institutions, education, and international organizations. They hold a wide variety of jobs such as economist, loan officer, forecast analyst, financial analyst, business consultant, data analyst, energy analyst, bank examiner, research analyst, broker, market research analyst, policy analyst, professor, lawyer and many more. This multitude of possible career paths is what is great about choosing an economics major. Economics gives students an excellent foundation for employment in many areas of business and government service, as well as for advanced graduate studies.

Economics Degrees

The Economics Department offers **three majors**: AB in Economics, BS in Business Economics, and BS in Mathematical Economics.

The AB in Economics (reference number 638) requires a minimum of 35 hours, and a minor or a second major. Students interested in combining the Economics major with another field of study should pursue this

degree path. Students may choose any other major or minor at WKU. If students choose their second major or minor(s) from another department in the Gordon Ford College of Business, some courses may apply to both degrees. The AB in Economics offers students the most flexibility to customize their education and graduate with a potent combination of highly marketable skills.

The BS in Business Economics (reference number 724) requires 72 hours. This degree does not require a second major or a minor. The Business Economics major combines the courses from AB in Economics with those in accounting, finance, management, marketing, and computer information systems. The BS in Business Economics offers students an opportunity to combine the knowledge of economics with the key business disciplines, increasing their employability in the private sector.

The BS in Mathematical Economics (reference number 731) is for students wishing to pursue either a graduate degree in economics, or a highly applied, analytical occupation with heavy emphasis on quantitative skills such as an actuary. This degree does not require a second major or a minor. The BS in Mathematical Economics offers **two concentrations: General concentration, and Actuarial Science concentration.**

International students who complete this program may qualify for the STEM OPT extension (the CIP Code of the program is 45.0603).

The General concentration in the BS in Mathematical Economics requires a minimum of 49 hours. This major is strongly recommended for students considering either a PhD in Economics or highly applied, analytical occupations, especially in data analytics. Because doctoral programs in economics are highly mathematical, this degree combines the economics coursework with the mathematics courses that are necessary to succeed in an economics doctoral program.

The Actuarial Science concentration in the BS in Mathematical Economics requires a minimum of 61 hours. This degree is strongly recommended for students pursuing careers as actuaries. Actuaries are professionals who specialize in modeling and managing risks. Actuaries typically work for health, life, and property insurance companies, but individuals with actuarial training may work in many other areas such as banking, investment, energy, government, employee benefits, predictive analytics, and many more. Actuaries use a combination of strong analytical skills, business knowledge, and an understanding of human behavior. It takes five to seven years on average to become an actuary after completing an undergraduate degree. To become an actuary, one must pass a series of exams to earn an actuarial designation by either the Casualty Actuarial Society (CAS) or the Society of Actuaries (SOA). Students in the Actuarial Science concentration will take courses that will help them prepare for the first two actuarial exams. As a part of becoming an actuary, candidates must also earn Validation by Educational Experience (VEE) credits, which demonstrate that as students they received academic training in certain required areas. The course work in this concentration is designed for students to receive all three of the VEE credits required by the SOA: Economics, Mathematical Statistics, and Accounting and Finance.

The Economics Department also offers a **minor in Economics (reference code 356)** which requires a total of 21 hours of coursework. Nine of those hours (ECON 202, ECON 203, and ECON 206) are a part of the College of Business Admissions Core, so to earn the minor in Economics, most business students need to complete 12 additional hours.

Economics JUMP Program

The Economics department offers a JUMP option - Joint Undergraduate/Master's Program. JUMP allows students to start working toward their MA in Applied Economics while completing their bachelor's degree in economics. Undergraduate students admitted into JUMP may take graduate courses that count toward both undergraduate and graduate degrees. Up to 12 credit hours can be double-counted, and up to 18 hours of graduate courses can be taken while a student is completing the undergraduate degree. The key benefit of the JUMP program is that it allows students to earn a bachelor's and a master's degree in less time by completing only 138 credit hours. For more information, see <https://www.wku.edu/mae/jump.php>

To be eligible for the Economics JUMP program, a student must meet the following requirements:

- Be an economics major (economics, business economics, or mathematical economics);
- Have completed at least 60 hours total, with at least 24 hours at WKU;
- 3.0 overall GPA
- 15 hours of 200-level or higher economics courses with a minimum GPA of 3.25.

Degrees

- Business Economics, Bachelor of Science (724) (p. 196)
- Economics, Bachelor of Arts (638) (p. 198)
- Mathematical Economics, Bachelor of Science (731P, 731) (p. 199)

Minor

- Economics, Minor (356) (p. 199)

Faculty

Professor

Hak Y. Kim PhD (Economics), University of Cincinnati Main Campus, 1982
 Alexander G. Lebedinsky PhD (Economics), Georgetown University, 2004
 Dennis P. Wilson PhD (Economics), University of Kentucky, 1999
 David M. Zimmer PhD (Economics), Indiana University-Bloomington, 2004

Associate Professor

Juan S. Leguizamon PhD (Economics), West Virginia University, 2011
 Susane Leguizamon PhD (Economics), West Virginia University, 2010
 Stephen L. Locke PhD (Economics), University of Kentucky, 2013

Assistant Professor

Golnaz Baradaran Motie PhD (Business & Economics), West Virginia University, 2018

Christopher J. Biolsi PhD (Economics), University of Houston, 2015
 Jacob P. Byl PhD (Law and Economics), Vanderbilt University, 2015
 Louis C. Rouanet PhD (Economics), George Mason University, 2021

Instructor I

Kevin J. Owens MA (Applied Economics), Western Kentucky University, 2020

Business Economics, Bachelor of Science (724)

Program Coordinator

Alexander G. Lebedinsky, alex.lebedinsky@wku.edu, (270) 745-3150

Economics is the study of how humans decide how to use the limited resources they have. Economic principles are at the core of decision-making by businesses, governments, non-profit organizations, individuals, and families, because the limited resources are not just money and raw materials – they are also time, attention, computing resources, food, water, hospital beds, or seats on a crowded subway. Economics is also a study of how individuals can create wealth through specialization and trade, as well as the role markets play in making this wealth creation possible.

The Business Economics major combines courses in economics with those in accounting, business data analytics, finance, management, and marketing. Data analysis is one of the core skills in economics, and the students in this major will have an opportunity to develop strong data skills that are highly valued by employers.

This combination of the economic way of thinking, core business competencies, and data-analytic skills prepares students for many different employment opportunities. Our graduates pursue careers in finance, banking, insurance, local and federal governments, public utilities, research institutions, education, and international organizations.

They hold a wide variety of jobs such as economist, loan officer, forecast analyst, financial analyst, business consultant, data analyst, energy analyst, bank examiner, research analyst, broker, market research analyst, policy analyst, professor, lawyer and many more. This multitude of possible career paths is what is great about choosing an economics major. Economics gives students an excellent foundation for employment in many areas of business and government service, as well as for advanced graduate studies.

Business Economics majors may also pursue the **Joint Undergraduate/Master's Program**, an accelerated graduate program that allows students to start working toward their Master of Arts in Applied Economics while completing their Bachelor's degree. Undergraduate students admitted into JUMP may take graduate courses that will count toward BOTH undergraduate and graduate degrees which will significantly lower the cost of obtaining a Master's degree. For more information, visit the department website <https://www.wku.edu/economics/>

Program Requirements (72 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The Business Economics major does not require an additional minor or major, but the structure of the program leaves enough room for students to complete a minor or certificate, especially if that minor or certificate is in the Gordon Ford College of Business.

Code	Title	Hours
Business Foundations Courses		
MATH 123	Mathematical Applications for Business	3
ACCT 110	Accounting for Decision Makers	3
ECON 202	Principles of Economics (Micro)	3
ECON 206	Statistics	3

MGT 210	Organization and Management	3
MKT 220	Basic Marketing Concepts	3
BDAN 250	Introduction to Analytics	3
FIN 330	Principles of Finance	3
MGT 498	Strategy and Policy	3
or ENT 496	Small Business Analysis and Strategy	

Career Preparation Courses

BA 170	Business Student Basics ¹	1
or BA 175	University Experience-Business	
or BA 220	Special Topics in Business Administration (Lower Division)	
MGT 261	Business Communication Fundamentals	3
ECON 399	Career Readiness in Economics	1
ECON 499	Senior Assessment	1

Economics Courses

ECON 203	Principles of Economics (Macro)	3
ECON 302	Microeconomic Theory	3
ECON 303	Microeconomic Theory	3
ECON 306	Statistical Analysis	3
or ECON 307	Financial Data Modeling	
ECON 375	Moral Issues of Capitalism ²	3
or ECON 390	Economics, Law, and Public Choice	
or ECON 434	The Economics of Poverty and Discrimination	
ECON 414	Managerial Economics	3
ECON 465	Regression and Econometric Analysis	3

Economics Electives

Select 12 hours from the following: ² 12

ECON 3@

ECON 4@

Business Electives

Select 6 hours from the following: 6

ACCT 220 Principles of Financial Accounting

ACCT 3@

ACCT 4@

BDAN 3@

BDAN 4@

ECON 3@

ECON 4@

ENT 3@

ENT 4@

FIN 3@

FIN 4@

MGT 3@

MGT 4@

MKT 3@

MKT 4@

Total Hours 72

¹ BA175 (1 hour) is only for Business LLC students. BA220 (3 hours) is only for WKU students and transfer students who choose a business major as a sophomore or higher.

² Some upper-level electives may satisfy Colonnade Connections requirements: ECON 375 is in the Social and Cultural category, and ECON 385 and ECON 430 are in the Local to Global category. Note, only one of these courses can be used to satisfy the Connections requirement - the rest must be taken from other disciplines.

Finish in Four Plan**First Year**

Fall	Hours	Spring	Hours
BA 170		1 ACCT 110	3
COMM 145		3 ECON 203	3
ECON 202 (Colonnade Explorations - Social and Behavioral Sciences)		3 HIST 101 or HIST 102	3
ENG 100		3 Colonnade Explorations - Arts & Humanities	3
MATH 123		3 Colonnade Explorations - Natural & Physical Sciences w/ lab	3
General Elective		3	
		16	15

Second Year

Fall	Hours	Spring	Hours
ECON 206		3 MKT 220	3
ENG 200 (or another approved Colonnade Foundations - Literary Studies course)		3 BDAN 250	3
MGT 261		3 Colonnade - Connections Social & Cultural or Local to Global or Systems	3
MGT 210		3 Colonnade - Connections Social & Cultural or Local to Global or Systems	3
Colonnade Explorations - Natural & Physical Sciences w/o lab		3 General Elective	3
		15	15

Third Year

Fall	Hours	Spring	Hours
ECON 302		3 ECON 303	3
ECON 306 or ECON 307		3 ECON Elective	3
ECON 375, ECON 390, or ECON 434		3 ECON Elective	3
Colonnade - Connections Social & Cultural or Local to Global or Systems		3 FIN 330	3
Business Elective		3 Business Elective	3
		ECON 399	1
		15	16

Fourth Year

Fall	Hours	Spring	Hours
ECON Elective		3 ECON 414	3
ECON Elective		3 ECON 499	1
ECON 465 ¹		3 MGT 498 or ENT 496	3
ENG 300 (Colonnade Foundations - Writing in the Disciplines)		3 General Elective	3
General Elective		3 General Elective	3
		15	13

Total Hours 120

¹ It is recommended that ECON 465 should be taken during the second to last semester as it will help student prepare for the Senior Seminar. ECON 465 should not be taken concurrently with ECON 499.

Economics, Bachelor of Arts (638)

Program Coordinator

Alexander G. Lebedinsky, alex.lebedinsky@wku.edu, (270) 745-3150

Economics is the study of how humans decide how to use the limited resources they have. Economic principles are at the core of decision-making by businesses, governments, non-profit organizations, individuals, and families, because the limited resources are not just money and raw materials – they are also time, attention, computing resources, food, water, hospital beds, or seats on a crowded subway. Economics is also a study of how individuals can create wealth through specialization and trade, as well as the role markets play in making this wealth creation possible.

Data analysis is one of the core skills in economics, and the students in this major will have an opportunity to develop strong data skills that are highly valued by employers. This combination of the economic way of thinking and data-analytic skills prepares students for many different employment opportunities. Our graduates pursue careers in finance, banking, insurance, local and federal governments, public utilities, research institutions, education, and international organizations. They hold a wide variety of jobs such as economist, loan officer, forecast analyst, financial analyst, business consultant, data analyst, energy analyst, bank examiner, research analyst, broker, market research analyst, policy analyst, professor, lawyer and many more. This multitude of possible career paths is what is great about choosing an economics major. Economics gives students an excellent foundation for employment in many areas of business and government service, as well as for advanced graduate studies.

The Bachelor of Arts (AB) in Economics requires a minimum of 35 hours and a minor or a second major. Students interested in combining the Economics major with another field of study should pursue this degree path. Students may choose any other major or minor at WKU. If students choose their second major or minor(s) from another department in the Gordon Ford College of Business, some courses may apply to both degrees. The AB in Economics offers students the most flexibility to customize their education and graduate with a potent combination of highly marketable skills.

Economics majors may also pursue the **Joint Undergraduate/Master's Program**, an accelerated graduate program that allows students to start working toward their Master of Arts in Applied Economics while completing their Bachelor's degree. Undergraduate students admitted into JUMP may take graduate courses that will count toward BOTH undergraduate and graduate degrees which will significantly lower the cost of obtaining a Master's degree. For more information, visit the department website <https://www.wku.edu/economics/>

Program Requirements (35 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major in Economics requires 120 credit hours of coursework with 35 hours in Economics and leads to a Bachelor of Arts degree. The program requires completion of a second major or a minor.

Code	Title	Hours
Required Economics Courses		
ECON 202	Principles of Economics (Micro)	3
ECON 203	Principles of Economics (Macro)	3
ECON 206	Statistics	3
ECON 302	Microeconomic Theory	3
ECON 303	Macroeconomic Theory	3
ECON 306	Statistical Analysis	3
or ECON 307	Financial Data Modeling	
ECON 399	Career Readiness in Economics	1
ECON 465	Regression and Econometric Analysis	3
ECON 499	Senior Assessment	1
Additional Courses		
Select 12 hours from the following, excluding ECON 306, 307, and 497: ^{1, 2}		12
ECON 3@		
ECON 4@		
Total Hours		35

¹ Some upper-level ECON electives may satisfy Colonnade Connections requirements: ECON 375 is in the Social and Cultural category, and ECON 385 and ECON 430 are in the Local to Global category. Note, only one of these courses can be used to satisfy the Connections requirement - the rest must be taken from other disciplines.

² ECON 307 is an alternative for ECON 306 in the required courses, so it cannot be taken as an elective. ECON 306 may not be applied to electives. ECON 497 is reserved for Mathematical Economics majors.

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
ECON 202 (Colonnade Explorations - Social and Behavioral Sciences)		3 ECON 203	3
COMM 145		3 HIST 101 or HIST 102	3
ENG 100		3 Colonnade - Arts & Humanities	3
MATH 123, MATH 136, or MATH 137		3 Colonnade - Natural & Physical Sciences w/ lab	3
General Elective/ Second Major/Minor Course		3 General Elective/ Second Major/Minor Course	3
		15	15

Second Year

Fall	Hours	Spring	Hours
ECON 206		3 Colonnade - Connections Social & Cultural or Local to Global or Systems	3
ENG 200 (or another approved Colonnade Foundations - Literary Studies course)		3 Colonnade - Connections Social & Cultural or Local to Global or Systems	3
General Elective/ Second Major/Minor Course		3 General Elective/ Second Major/Minor Course	3
General Elective/ Second Major/Minor Course		3 General Elective/ Second Major/Minor Course	3
Colonnade - Natural & Physical Sciences w/ o lab		3 General Elective/ Second Major/Minor Course	3
	15		15

Third Year

Fall	Hours	Spring	Hours
ECON 302		3 ECON 303	3
ECON 306 or ECON 307		3 ECON Elective	3
Colonnade - Connections Social & Cultural or Local to Global or Systems		3 General Elective/ Second Major/Minor Course	3
General Elective/ Second Major/Minor Course		3 General Elective/ Second Major/Minor Course	3
General Elective/ Second Major/Minor Course		3 General Elective/ Second Major/Minor Course	3
		ECON 399	1
	15		16

Fourth Year

Fall	Hours	Spring	Hours
ECON 465 ¹		3 ECON 499	1
ECON Elective		3 ECON Elective	3
ECON Elective		3 General Elective/ Second Major/Minor Course	3
ENG 300		3 General Elective/ Second Major/Minor Course	3
General Elective/ Second Major/Minor Course		3 General Elective/ Second Major/Minor Course	3
		General Elective/ Second Major/Minor Course	1
	15		14

Total Hours 120

¹ It is recommended that ECON 465 should be taken during the second to last semester as it will help student prepare for the Senior Seminar. ECON 465 should not be taken concurrently with ECON 499.

300-level ECON courses shown below and 6 hours of upper-level ECON electives.

Code	Title	Hours
ECON 202	Principles of Economics (Micro)	3
ECON 203	Principles of Economics (Macro)	3
ECON 206	Statistics	3
ECON 302	Microeconomic Theory	3
ECON 303	Macroeconomic Theory	3
Select 6 hours of other 300 and 400-level Economics courses		6
Total Hours		21

All minors must also complete MATH 123 or any calculus class or have a Math ACT of at least 26 or a Math SAT of at least 610.

Mathematical Economics, Bachelor of Science (731P, 731)

Program Coordinator

Melanie A. Autin, melanie.autin@wku.edu, (270) 745-6171

Alex Lebedinsky, alex.lebedinsky@wku.edu, (270) 745-3150

The BS in Mathematical Economics is for students wishing to pursue either a graduate degree in economics or a highly applied, analytical occupation with a heavy emphasis on quantitative skills such as an actuary. This degree does not require a second major or a minor. The BS in Mathematical Economics offers two concentrations: General concentration and Actuarial Science concentration.

International students who complete this program may qualify for the STEM OPT extension (the CIP Code of the program is 45.0603).

The General concentration in the BS in Mathematical Economics requires a minimum of 49 hours. This major is strongly recommended for students considering either a PhD in Economics or highly applied, analytical occupations, especially in data analytics. Because doctoral programs in economics are highly mathematical, this degree combines the economics coursework with the mathematics courses that are necessary to succeed in an economics doctoral program.

The Actuarial Science concentration in the BS in Mathematical Economics requires a minimum of 61 hours. This degree is strongly recommended for students pursuing careers as actuaries. Actuaries are professionals who specialize in modeling and managing risks. Actuaries typically work for health, life, and property insurance companies, but individuals with actuarial training may work in many other areas such as banking, investment, energy, government, employee benefits, predictive analytics, and many more. Actuaries use a combination of strong analytical skills, business knowledge, and an understanding of human behavior. It takes five to seven years on average to become an actuary after completing an undergraduate degree. To become an actuary, one must pass a series of exams to earn an actuarial designation by either the Casualty Actuarial Society (CAS) or the Society of Actuaries (SOA). Students in the Actuarial Science concentration will take courses that will help them prepare for the first two actuarial exams. As a part of becoming an actuary, candidates must also earn Validation by Educational Experience (VEE) credits, which demonstrate that as students they received academic training in certain required areas. The course work in this concentration is designed for students to receive all three of the

Economics, Minor (356)

Program Requirements (21 hours)

The minor in Economics requires 21 semester hours. To earn the minor, students must complete 15 hours of core courses consisting of 200- and

VEE credits required by the SOA: Economics, Mathematical Statistics, and Accounting and Finance.

Concentrations

- General Mathematical Economics (MEGM)
- Actuarial Science (MEAS)

Admission Requirements

Admission to the Mathematical Economics major requires:

1. Completion of MATH 136, ECON 202 and ECON 203, and ECON 206 or STAT 301 with a minimum GPA of 2.0 in the courses listed.
2. Completion of a minimum of 60 hours with a minimum GPA of 2.0 overall.
3. Completion of a minimum of 12 hours at Western Kentucky University with a minimum WKU GPA of 2.0.

Program Requirements (49/61 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major in Mathematical Economics requires a total of 120 credit hours with a core of 18 hours in economics, 15 hours in mathematics, and 1 hour of an interdisciplinary seminar course. The concentration in general mathematical economics requires an additional 9 hours in economics and 6 hours in mathematics. The concentration in actuarial science requires an additional 3 hours in economics, 9 hours in mathematics, 15 hours in finance, and 3-4 hours in computer science.

The program of study does not require completion of a second major or minor.

Core Courses

Code	Title	Hours
ECON 202	Principles of Economics (Micro)	3
ECON 203	Principles of Economics (Macro)	3
ECON 206	Statistics	3
or STAT 301	Introductory Probability and Applied Statistics	
ECON 302	Microeconomic Theory	3
ECON 303	Macroeconomic Theory	3
Select one of the following:		3
ECON 465	Regression and Econometric Analysis	
ECON 480	Economic Forecasting	
STAT 401	Regression Analysis	
MATH 136	Calculus I	4
MATH 137	Calculus II	4
MATH 237	Multivariable Calculus	4
MATH 307	Introduction to Linear Algebra	3

ECON/MATH 497	Senior Seminar in Mathematical Economics	1
Total Hours		34

Additionally, majors must choose a concentration in either General Mathematical Economics or Actuarial Science.

General Mathematical Economics Concentration

Code	Title	Hours
ECON 306	Statistical Analysis	3
or ECON 307	Financial Data Modeling	
ECON 464	Introduction to Mathematical Economics	3
Select 3 hours of 300- and 400-level economics electives		3
MATH 331	Differential Equations	3
or MATH 310	Introduction to Discrete Mathematics	
Select one of the following:		3
MATH 331	Differential Equations	
MATH 310	Introduction to Discrete Mathematics	
MATH 305	Introduction to Mathematical Modeling	
MATH 382	Probability and Statistics I	
MATH 435	Partial Differential Equations	
MATH 405	Numerical Analysis I	
Total Hours		15

Actuarial Science Concentration

Code	Title	Hours
ECON 307	Financial Data Modeling	3
MATH 310	Introduction to Discrete Mathematics	3
MATH 382	Probability and Statistics I	3
MATH 482	Probability and Statistics II	3
FIN 330	Principles of Finance	3
FIN 332	Investment Theory	3
FIN 334	Financial Mathematics	3
FIN 350	Risk Management and Insurance	3
FIN 437	Corporate Asset Management	3
CS 170	Problem Solving and Programming	3-4
or CS 180	Computer Science I	
or STAT 330	Introduction to Statistical Software	
Total Hours		30-31

Finish in Four Plan

Actuarial Science Concentration

First Year	Hours	Spring	Hours
Fall			
BA 170		1 COMM 145	3
ENG 100		3 MATH 137	4
MATH 136		4 ECON 202	3
Colonnade - Arts & Humanities		3 HIST 101 or HIST 102	3

General University Elective		3 Colonnade - Natural & Physical Sciences w/ lab	3
		14	16
Second Year			
Fall	Hours	Spring	Hours
ACCT 220		3 CS 170, CS 180, or STAT 330	3-4
ECON 203		3 FIN 330	3
MATH 307		3 ECON 206 or STAT 301	3
MATH 310		3 MATH 237	4
Colonnade - Literary Studies		3 Colonnade - Natural & Physical Sciences	3
		15	16-17
Third Year			
Fall	Hours	Spring	Hours
ECON 302		3 ECON 303	3
ECON 307		3 FIN 332	3
FIN 334		3 FIN 350	3
MATH 382		3 MATH 482	3
Colonnade - Connections Social & Cultural or Local to Global or Systems		3 Colonnade - Writing in the Disciplines	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
ECON 465, STAT 401, or ECON 480 ¹		3 ECON 497 or MATH 497	1
FIN 437		3 Colonnade - Connections Social & Cultural or Local to Global or Systems	3
FIN 438 ²		3 General University Elective	3
Colonnade - Connections Social & Cultural or Local to Global or Systems		3 General University Elective	3
General University Elective		3 General University Upper-Division Elective	3
		General University Elective	1
		15	14

Total Hours 120-121

¹ It is recommended that ECON 465 should be taken during the second to last semester as it will help student prepare for the Senior Seminar. ECON 465 should not be taken concurrently with ECON 499 or ECON 497

² ECON 480 and FIN 438 are not required for the degree. However, FIN 438 can be used toward a VEE credit, and ECON 480 will help students prepare for actuarial exams.

General Concentration

First Year			
Fall	Hours	Spring	Hours
BA 175		3 COMM 145	3
ECON 202		3 HIST 101 or HIST 102	3
ENG 100		3 MATH 137	4
MATH 136		4 Colonnade - Arts & Humanities	3
Colonnade - Natural Sciences w/ lab		3 Colonnade - Literary Studies	3
		16	16

Second Year			
Fall	Hours	Spring	Hours
MATH 307		3 CS 170 or CS 180	3-4
ECON 203		3 ECON 206 or STAT 301	3
MATH 310 or MATH 331		3 MATH 237	4
Colonnade - Natural & Physical Sciences w/ no lab		3 Colonnade - Social & Cultural or Local to Global or Systems	3
Colonnade - Connections Social & Cultural or Local to Global or Systems		3 General Elective	3
		15	16-17
Third Year			
Fall	Hours	Spring	Hours
ECON 302		3 ECON 303	3
ECON 306		3 ECON 465, ECON 480, or STAT 401	3
General upper-division Elective		3 Colonnade - Writing in the Disciplines	3
General Elective		3 Colonnade - Connections Social & Cultural or Local to Global or Systems	3
MATH 305, MATH 310, or MATH 331		3 General Elective	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
ECON 464		3 ECON 497 or MATH 497	1
ECON 465 ¹		3 General upper-division Elective	3
General upper-division Elective		3 General upper-division Elective	3
General upper-division Elective		3 General Elective	3
General Elective		3 General Elective	2
		15	12

Total Hours 120-121

¹ It is recommended that ECON 465 should be taken during the second to last semester as it will help student prepare for the Senior Seminar. ECON 465 should not be taken concurrently with ECON 499 or ECON 497.

Department of Finance

Dr. Indudeep Chhachhi, Chair

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(<http://www.wku.edu/finance/>)

Mission Statement

The finance program is committed to offering a high quality baccalaureate program in finance with concentrations in business finance and personal financial planning. The concentrations in finance provide students with not only a broad general educational background but also a thorough professional education in finance. The primary

mission of the finance group is teaching and instruction, which is supported by faculty involvement in basic and applied research as well as research that supports the teaching mission.

Degree

- Finance, Bachelor of Science (664) (p. 202)

Minor

- Finance, Minor (357) (p. 207)

Certificate

- Accredited Financial Counselor, Certificate (1758) (p. 202)
- Financial Planning, Certificate (200) (p. 207)

Faculty Professor

Christopher L. Brown PhD (Business Administration), Oklahoma State University Main Campus, 1998

Indudeep S. Chhachhi DBA (Business Administration), Southern Illinois University Carbondale, 1990

Yung L. Lo PhD (Finance), Florida State University, 2007

Assistant Professor

Jonathan F. Handy PhD (Finance), The University of Alabama, 2014

Kerron T. Joseph PhD (Finance), University of Texas at San Antonio, 2022

Mohsen Mollagholamali PhD (Business Administration, Finance), Oklahoma State University Main Campus, 2016

Pedagogical Associate Professor

Andrew J. Head MA (Applied Economics), Western Kentucky University, 2010

Ronald A. Rhoades JD (Law), University of Florida, 1985

Instructor II

Jean C. Snavelly PhD (Finance), University of Cincinnati Main Campus, 1997

Accredited Financial Counselor, Certificate (1758)

Program Coordinator

Indudeep S. Chhachhi, indudeep.chhachhi@wku.edu, (270) 745-2018

Program Requirements (9 hours)

Code	Title	Hours
Required Courses		
FIN 161	Personal Finance	3
FIN 350	Risk Management and Insurance	3
CNS 432	Helping Skills ¹	3
or FIN 422	Personal Financial Planning Practice Management	
Total Hours		9

¹ Financial Planning students may choose FIN 422 in place of CNS 432 if they have completed all prerequisites.

Finance, Bachelor of Science (664)

Program Coordinator

Indudeep S. Chhachhi, indudeep.chhachhi@wku.edu, (270) 745-2018

Why Choose Finance?

Finance is the art and science of managing money. Today's financial managers play a critical role in the process of raising and spending money, whether it is in a corporate, government, or personal setting. Career opportunities in Finance are both numerous and exciting in our fast-paced global marketplace.

Finance offers both a major and a minor (<https://www.wku.edu/finance/minor-in-finance.php>), and within the major there are two options: the Business Finance Option (<https://www.wku.edu/finance/business-finance.php>) and the Personal Financial Planning Option. (<https://www.wku.edu/finance/personal-financial-planning.php>) In addition, we offer two Certificates: a Certificate in Financial Planning (p. 207) and an Accredited Financial Counselor Certificate (p. 202). These opportunities are available to current students and individuals that already hold an undergraduate degree.

Business Finance focuses on decisions within corporations and financial institutions. Students may focus their study in one of four areas in the Business Finance concentration: 1) Investment, 2) Analyst, 3) Financial Services or 4) General Business Finance. The field of investments deals with considerations for the use of funds in order to maximize value. Financial Analysts examine information to help companies make business decisions. Financial Services is the sector of the economy that addresses the management of money which includes banks and insurance companies among others.

Financial Planning concentrates on the various aspects of personal financial planning for individuals including investing, personal budgeting, tax planning, retirement planning, estate planning, and insurance. The Finance faculty at WKU work closely with students in small classes, bringing a wealth of knowledge and expertise to the classroom. The Finance curriculum includes hands-on opportunities and state-of-the-art technology.

There are several notes of distinction regarding our programs. First, our Personal Financial Planning option in the Finance major and our Certificate in Financial Planning program are registered with Certified Financial Planner Board of Standards, Inc. (CFP Board). (<https://www.cfp.net/>) As of December 2021, we are one of only three institutions in the state of Kentucky with Board registered degree programs! This registration confers a special advantage on our graduates.

Second, the WKU Finance Group is one of 24 programs in the Tennessee Valley Authority (TVA) service region to be part of its Investment Challenge Program. (<http://www.tvainvestmentchallenge.com/>) As of January 2022, the student-managed investment portfolio was valued at \$500,000! Read more about our program under TVA Investment Challenge.

Third, the Gordon Ford College of Business holds dual AACSB accreditation in business and accounting. The AACSB Accreditation is the world's highest standard of excellence in business education. Learn why AACSB accreditation matters. (<https://www.wku.edu/finance/documents/accreditation-matters-heres-why.pdf>)

If you have any questions about our programs, please contact the Department of Finance (<https://www.wku.edu/finance/contact.php>).

Concentrations

- Personal Finance Planning (FNPP)
- Business Finance (FNBF)

Students majoring in a program in this department may refer to the Gordon Ford College of Business introductory section for sample course schedules for the freshman and sophomore years.

When planning a program of study in this department, each student should be aware of the University's academic requirements and regulations contained in this catalog in the chapter "Academic Information." Specific attention should be given to the subsections in the chapter entitled (a) Academic Programs, (b) Colonnade Requirements, and (c) Academic Requirements and Regulations. Students should be aware that some academic programs may require additional scholastic regulations and standards not specified in the catalog. To obtain a copy of these regulations, students should contact the department chair.

The undergraduate finance program offers two areas of concentration within the major:

1. Business Finance
2. Personal Financial Planning

Finance majors must earn a minimum grade point average of 2.0 in 300 and 400 level finance courses. In addition, finance majors must earn a "C" or better in FIN 330 and FIN 332.

Program Requirements (78/88 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Business Core

Employers are seeking business graduates who 1) are well-prepared in their specific major, 2) possess foundational knowledge about other business disciplines, and 3) are career ready and professional. All majors in the Gordon Ford College of Business complete MATH 123 (Mathematical Applications for Business) and a common set of business and career preparation courses (the business core) in addition to the courses specific for their selected major.

Code	Title	Hours
Business Foundations Courses		
MATH 123	Mathematical Applications for Business	3
ACCT 110	Accounting for Decision Makers	3
BDAN 250	Introduction to Analytics	3
ECON 206	Statistics	3
ECON 202	Principles of Economics (Micro)	3
FIN 330	Principles of Finance	3
MGT 210	Organization and Management	3
MKT 220	Basic Marketing Concepts	3
MGT 498	Strategy and Policy	3

or ENT 496	Small Business Analysis and Strategy	
Career Preparation Courses		
BA 170 or BA 175 or BA 220	Business Student Basics ¹ University Experience-Business Special Topics in Business Administration (Lower Division)	1
MGT 261	Business Communication Fundamentals	3
FIN 399	Career Readiness in Finance	1
FIN 499	Senior Assessment in Finance	1
Total Hours		33

¹ BA 175 is only for Business LLC students. BA 220 is only for WKU students and transfer students who choose a business major as a sophomore or higher.

All Finance Majors

All Finance majors will complete the following courses regardless of concentration. All majors must earn a C or better in FIN 330 and FIN 332 and must have a cumulative GPA of 2.0 or better in all finance classes.

Code	Title	Hours
Finance Major Required Courses		
ACCT 220	Principles of Financial Accounting	3
ECON 307	Financial Data Modeling	3
FIN 161	Personal Finance	3
FIN 332	Investment Theory	3
FIN 389	Financial Analysis and Modeling	3
FIN 433	Financial Markets and Institutions	3
FIN 437	Corporate Asset Management	3
FIN 438	Corporate Funds Management	3
Total Hours		24

Business Finance Concentration

The Business Finance concentration requires 78 hours of professional and elective courses and leads to a Bachelor of Science degree. No minor or second major is required or prohibited. The Business Finance concentration deals with the acquisition and use of funds to maximize the value of the firm and has four focus areas: 1) Investment, 2) Analyst, 3) Financial Services, and 4) General Business Finance. Financial managers make decisions about alternative sources and uses of funds. Proper financial management within the firm will help the business to provide better products at reasonable prices to its customers and greater returns to the investors who supply the capital needed to form and then operate the business.

All Business Finance Majors must complete the following courses

Code	Title	Hours
Common Courses for all Business Finance Majors		
FIN 436	International Financial Management	3
Select 3 hours of Upper-Level Business Electives, including prefixes ACCT, BDAN, CIS, ECON, ENT, FIN, MGT, and MKT		3
Total Hours		6

Investment Focus Area

Code	Title	Hours
Investment Focus Area Required Courses		
FIN 331	Applied Investments	3
FIN 419	Behavioral Finance and Investing	1.5
FIN 439	Security Analysis and Portfolio Management	3
FIN 449	Practicum in Portfolio Management	3
Upper-Level Finance Electives		4.5
Total Hours		15

Analyst Focus Area

Code	Title	Hours
Analyst Focus Area Required Courses		
BDAN 310	Business Data Analytics	3
BDAN 430	Data Visualization	3
Upper-Level Finance Electives		6
Select one of the following:		
FIN 439	Security Analysis and Portfolio Management	3
or FIN 449	Practicum in Portfolio Management	
Total Hours		15

Financial Services Focus Area

Code	Title	Hours
Financial Services Focus Area Required Courses		
FIN 333	Advanced Topics in PFP	3
FIN 350	Risk Management and Insurance	3
FIN 405	Legal and Regulatory Aspects of Personal Financial Planning	1.5
FIN 419	Behavioral Finance and Investing	1.5
FIN 435	Commercial Bank Management	3
MKT 325	Personal Selling	3
Total Hours		15

General Business Finance Focus Area

Code	Title	Hours
General Business Finance Focus Area Required Courses		
Upper-Level Finance Electives		12
Choose one of the following:		
FIN 439	Security Analysis and Portfolio Management	3
or FIN 449	Practicum in Portfolio Management	
Total Hours		15

Personal Financial Planning Concentration

The Personal Financial Planning concentration requires 87-88 hours of professional and elective courses and leads to a Bachelor of Science degree. The personal financial planning concentration deals with the process of developing comprehensive financial plans for individuals. Financial planners help individuals determine financial goals and objectives and the best strategies for obtaining these goals. The rapid growth of multi-income families in the U.S. has placed more and more people in a position of need to apply sophisticated financial planning

techniques to their personal economic affairs. As a result, one of the fastest growing career paths in the financial services industry is financial planning, and the Certified Financial Planner™ (CFP)® designation has become the most widely recognized financial planning credential among consumers.

The Personal Financial Planning concentration is registered with the Certified Financial Planner Board of Standards in Washington D.C. We are one of only three registered universities in the state of Kentucky! This registration confers a special advantage on our graduates. Upon completion of our CFP® board certified program, students are allowed to sit for the CFP® Certification Examination.

Western Kentucky University does not certify individuals to use the CFP®, Certified Financial Planner™, and CFP® (with flame logo) certification marks. The CFP certification is granted only by the Certified Financial Planner Board of Standards to those persons who, in addition to completing an educational requirement such as this CFP Board-Registered Program, have met its ethics, experience, and examination requirements.

The Certified Financial Planner Board of Standards Inc. owns the marks CFP®, Certified Financial Planner™, and CFP® (with flame logo) which it awards to individuals who successfully complete initial and ongoing certification requirements.

Code	Title	Hours
Personal Financial Planning Concentration Required Courses		
FIN 331	Applied Investments	3
FIN 333	Advanced Topics in PFP	3
FIN 350	Risk Management and Insurance	3
FIN 405	Legal and Regulatory Aspects of Personal Financial Planning	1.5
FIN 419	Behavioral Finance and Investing	1.5
FIN 422	Personal Financial Planning Practice Management	3
FIN 445	Estate Planning	3
FIN 444	Retirement Planning	3
FIN 450	Financial Plan Development	3
FIN 439	Security Analysis and Portfolio Management	3
or FIN 449	Practicum in Portfolio Management	
Choose 3-4 hours from the following:		3-4
BDAN 310	Business Data Analytics	
BDAN 430	Data Visualization	
FIN 435	Commercial Bank Management	
FIN 449	Practicum in Portfolio Management	
FIN 403	Security Licensing and Investment Accreditations Lab	
MKT 325	Personal Selling	
Total Hours		30-31

Finish in Four Plans

Finance majors must earn a minimum grade point average of 2.0 in 300 and 400 level finance courses. In addition, finance majors must earn a "C" or better in FIN 330 and FIN 332.

Finance with Business Finance Concentration Investment Focus

First Year

Fall	Hours	Spring	Hours
BA 170		1 ACCT 110	3
FIN 161 (E-SB)		3 Colonnade: Arts & Humanities (E-AH)	3
COMM 145 (F-OC)		3 HIST 101 or HIST 102 (F-SB)	3
ENG 100		3 Colonnade: Literary Studies (F-AH)	3
MATH 123 (F-QR)		3 ECON 202	3
General University Elective		3	
		16	15

Second Year

Fall	Hours	Spring	Hours
ACCT 220		3 ECON 206	3
MGT 261		3 MKT 220	3
BDAN 250		3 Colonnade: Connections (K-SC or K-LG or K-SY) ¹	3
MGT 210		3 Colonnade: Natural & Physical Sciences (E-NS)	3
Colonnade: Natural & Physical Sciences with lab (E-SL)		3 General University Elective	3
		15	15

Third Year

Fall	Hours	Spring	Hours
General University Elective		3 FIN 332	3
ECON 307		3 FIN 389	3
FIN 399		1 FIN 419	1.5
FIN 330		3 FIN 331	3
Colonnade: Connections (K-SC or K-LG or K-SY) ²		3 Colonnade: Connections (K-SC or K-LG or K-SY) ³	3
Colonnade: Writing in the Disciplines (F-W2)		3	
		16	13.5

Fourth Year

Fall	Hours	Spring	Hours
FIN 437		3 FIN 439	3
FIN 438		3 Finance Upper-Division Elective	3
Business Elective		3 Finance Upper-Division Elective	1.5
FIN 433		3 MGT 498 or ENT 496	3
FIN 449 (by application only)		3 FIN 499	1
		FIN 436	3
		15	14.5

Total Hours 120

Analyst Focus

First Year

Fall	Hours	Spring	Hours
BA 170		1 ACCT 110	3
FIN 161 (E-SB)		3 Colonnade: Arts & Humanities (E-AH)	3
COMM 145 (F-OC)		3 HIST 101 or HIST 102 (F-SB)	3

ENG 100	3 Colonnade: Literary Studies (F-AH)	3
MATH 123 (F-QR)	3 ECON 202	3
General University Elective	3	
	16	15

Second Year

Fall	Hours	Spring	Hours
ACCT 220		3 ECON 206	3
MGT 261		3 MKT 220	3
BDAN 250		3 Colonnade: Connections (K-SC or K-LG or K-SY) ¹	3
MGT 210		3 Colonnade: Natural & Physical Sciences (E-NS)	3
Colonnade: Natural & Physical Sciences with lab (E-SL)		3 General University Elective	3
		15	15

Third Year

Fall	Hours	Spring	Hours
General University Elective		3 FIN 332	3
ECON 307		3 FIN 389	3
FIN 399		1 Finance Upper-Division Elective	3
FIN 330		3 Business Elective	3
Colonnade: Connections (K-SC or K-LG or K-SY) ²		3 Colonnade: Connections (K-SC or K-LG or K-SY) ³	3
Colonnade: Writing in the Disciplines (F-W2)		3	
		16	15

Fourth Year

Fall	Hours	Spring	Hours
FIN 437		3 Finance Upper-Division Elective	3
FIN 438		3 BDAN 430	3
BDAN 310		3 FIN 436	3
FIN 433		3 MGT 498	3
FIN 439 or FIN 449 (by application only)		3 FIN 499	1
		15	13

Total Hours 120

Financial Services Focus

First Year

Fall	Hours	Spring	Hours
BA 170		1 ACCT 110	3
FIN 161 (E-SB)		3 Colonnade: Arts & Humanities (E-AH)	3
COMM 145 (F-OC)		3 HIST 101 or HIST 102 (F-SB)	3
ENG 100		3 Colonnade: Literary Studies (F-AH)	3
MATH 123 (F-QR)		3 ECON 202	3
General University Elective		3	
		16	15

Second Year

Fall	Hours	Spring	Hours
ACCT 220		3 ECON 206	3
MGT 261		3 MKT 220	3

BDAN 250	3	Colonnade: Connections (K-SC or K-LG or K-SY) ¹	3
MGT 210	3	Colonnade: Natural & Physical Sciences (E-NS)	3
Colonnade: Natural & Physical Sciences with lab (E-SL)	3	General University Elective	3
	15		15

Third Year

Fall	Hours	Spring	Hours
General University Elective		3 FIN 332	3
FIN 333		3 ECON 307	3
FIN 399		1 FIN 419	1.5
FIN 330		3 FIN 405	1.5
Colonnade: Connections (K-SC or K-LG or K-SY) ²		3 Colonnade: Connections (K-SC or K-LG or K-SY) ³	3
Colonnade: Writing in the Disciplines (F-W2)		3 FIN 350	3
	16		15

Fourth Year

Fall	Hours	Spring	Hours
FIN 437		3 MKT 325	3
FIN 438		3 FIN 435	3
FIN 389		3 FIN 436	3
FIN 433		3 MGT 498 or ENT 496	3
Business Elective		3 FIN 499	1
	15		13

Total Hours 120**General Business Finance Focus****First Year**

Fall	Hours	Spring	Hours
BA 170		1 ACCT 110	3
FIN 161 (E-SB)		3 Colonnade: Arts & Humanities (E-AH)	3
COMM 145 (F-OC)		3 HIST 101 or HIST 102 (F-SB)	3
ENG 100		3 Colonnade: Literary Studies (F-AH)	3
MATH 123 (F-QR)		3 ECON 202	3
General University Elective		3	
	16		15

Second Year

Fall	Hours	Spring	Hours
ACCT 220		3 ECON 206	3
MGT 261		3 MKT 220	3
BDAN 250		3 Colonnade: Connections (K-SC or K-LG or K-SY) ¹	3
MGT 210		3 Colonnade: Natural & Physical Sciences (E-NS)	3
Colonnade: Natural & Physical Sciences with lab (E-SL)		3 General University Elective	3
	15		15

Third Year

Fall	Hours	Spring	Hours
General University Elective		3 FIN 332	3

ECON 307	3	Finance Upper-Division Elective	3
FIN 399		1 Finance Upper-Division Elective	3
FIN 330		3 Business Elective	3
Colonnade: Connections (K-SC or K-LG or K-SY) ²		3 Colonnade: Connections (K-SC or K-LG or K-SY) ³	3
Colonnade: Writing in the Disciplines (F-W2)		3	
	16		15

Fourth Year

Fall	Hours	Spring	Hours
FIN 433		3 Finance Upper-Division Elective	3
FIN 437		3 FIN 439 or FIN 449 (by application only)	3
FIN 438		3 FIN 436	3
FIN 389		3 MGT 498 or ENT 496	3
Finance Upper-Division Elective		3 FIN 499	1
	15		13

Total Hours 120**Personal Financial Planning Concentration****First Year**

Fall	Hours	Spring	Hours
BA 170		1 ACCT 110	3
FIN 161 (E-SB)		3 HIST 101 or HIST 102 (F-SB)	3
ENG 100 (F-W1)		3 ECON 202	3
MATH 123 (F-QR)		3 Colonnade: Literary Studies (F-AH)	3
COMM 145 (F-OC)		3 Colonnade: Arts & Humanities (E-AH)	3
Colonnade: Connections (K-SC or K-LG or K-SY) ¹		3	
	16		15

Second Year

Fall	Hours	Spring	Hours
ACCT 220		3 ECON 206	3
MGT 261		3 MKT 220	3
BDAN 250		3 Colonnade: Connections (K-SC or K-LG or K-SY) ²	3
MGT 210		3 Colonnade: Natural & Physical Sciences (E-NS)	3
Colonnade: Natural and Physical Sciences (E-SL)		3 Colonnade: Writing in the Disciplines (F-W2)	3
	15		15

Third Year

Fall	Hours	Spring	Hours
FIN 331		3 FIN 332	3
ECON 307		3 FIN 389	3
FIN 330		3 FIN 419	1.5
FIN 399		1 FIN 405	1.5
FIN 350		3 FIN 445	3
COLONNADE: CONNECT SC OR K-LG OR K-SY) ³		3 FIN 403	1
	16		13

Fourth Year			
Fall	Hours	Spring	Hours
FIN 437		3 FIN 439 or FIN 449 (by application only)	3
FIN 438		3 FIN 450	3
FIN 444		3 FIN 499	1
FIN 333		3 MGT 498 or ENT 496	3
FIN 433		3 FIN 422	3
		Business Elective from approved list	3
		15	16
Total Hours 121			

Finance, Minor (357)

Program Requirements (27 hours)

Code	Title	Hours
FIN 161	Personal Finance	3
FIN 330	Principles of Finance	3
FIN 389	Financial Analysis and Modeling	3
Select 6 hours of approved finance electives from 300- or 400-level FIN courses		6
ACCT 110	Accounting for Decision Makers	3
MATH 123	Mathematical Applications for Business ¹	3
ECON 202 or ECON 203	Principles of Economics (Micro) Principles of Economics (Macro)	3
ECON 206	Statistics	3
Total Hours		27

¹ Students must complete MATH 123 or (MATH 136 or MATH 137 or MATH 142 or MATH 237) or have a Math ACT of at least 26 or a Math SAT of at least 610.

Financial Planning, Certificate (200)

Program Coordinator

Indudeep S. Chhachhi, indudeep.chhachhi@wku.edu, (270) 745-2018

The certificate program in Financial Planning requires 28.5 semester hours and is intended to qualify non-finance majors or degree-holding individuals who wish to pursue a career in financial planning. After successful completion of the required ten courses, the student receives a Certificate of Financial Planning from Western Kentucky University and is allowed to sit for the CFP® Certification Examination. There may be additional course requirements for students not meeting pre-requisites.

Western Kentucky University does not certify individuals to use the CFP®, Certified Financial Planner™, and CFP® (with flame logo) certification marks. The CFP certification is granted only by the Certified Financial Planner Board of Standards to those persons who, in addition to completing an educational requirement such as this CFP Board-Registered Program, have met its ethics, experience, and examination requirements.

The Certified Financial Planner Board of Standards Inc. owns the marks CFP®, Certified Financial Planner™, and CFP® (with flame logo) which it awards to individuals who successfully complete initial and ongoing certification requirements.

Program Requirements (28.5 hours)

Code	Title	Hours
FIN 161	Personal Finance	3
FIN 331	Applied Investments	3
FIN 332	Investment Theory	3
FIN 333	Advanced Topics in PFP	3
FIN 350	Risk Management and Insurance	3
FIN 405	Legal and Regulatory Aspects of Personal Financial Planning	1.5
FIN 422	Personal Financial Planning Practice Management	3
FIN 444	Retirement Planning	3
FIN 445	Estate Planning	3
FIN 450	Financial Plan Development	3
Total Hours		28.5

Department of Management

Dr. Whitney O. Peake, Chair

Email: Whitney.Peake@wku.edu

Grise Hall, Office 200

Phone: (270) 745-5408

Email: MGT@wku.edu

Website: <http://www.wku.edu/management> (<http://www.wku.edu/management/>)

Mission Statement: “Learning by Doing”

This phrase succinctly summarizes the mission of the Management Department. It is espoused by our diverse group whose interests and responsibilities include general management, strategic management, entrepreneurship, human resource management, organizational theory and behavior, production and operations management, management science, international business and the legal environment of business.

While we instruct a heterogeneous student population comprised of majors within the department, within the college, and from other areas; there is a major emphasis on experiential learning. We further endeavor to expose students to the latest developments in technology, global perspectives, ethics, and changes in the legal and business environment. We seek to produce graduates who have a strong foundation in management with the necessary analytical skills to assume leadership roles in business and society. With such a background, our graduates pursue careers in a variety of fields including banking, construction, insurance, manufacturing, public administration, retailing, and entrepreneurship.

“Learning by doing” also applies to the scholarly activity of our faculty in meeting the goal of ensuring a high quality faculty and staff. A variety of scholarly activities conducted by the Management faculty include basic, applied, pedagogical, cross-disciplinary, and interpretive research. It is the expectation that all research should enhance teaching, service, or add to the knowledge base of the discipline.

Degrees

- Management, Bachelor of Science (723) (p. 209)

Minors

- Business Administration, Minor (332) (p. 208)
- Entrepreneurship, Minor (355) (p. 208)
- Global Business, Minor (333) (p. 209)

Certificate

- Brewing and Distilling Arts & Sciences, Certificate (1733) (p. 182)

Faculty

Professor

Paula W. Burt PhD (Business Administration), University of Kentucky, 1997

Ismail Civelek PhD (Operations Management and Manufacturing), Carnegie Mellon University, 2010

LeAnne Coder PhD (Business), University of Kansas Main Campus, 2007

Robert D. Hatfield PhD (Business), Indiana University-Bloomington, 1996

Whitney O. Peake PhD (Agricultural Economics), Purdue University Main Campus, 2008

Christopher L. Shook PhD (Business Admin-Management), Louisiana State University & A&M College, 1997

Michael S. Spiller PhD (Human Resources Management), The University of Alabama, 1999

Associate Professor

Feng Helen Liang PhD (Business Administration), University of California-Berkeley, 2006

Assistant Professor

Gihan S. Edirisinghe PhD (Business Administration), Washington State University, 2019

Yeongsu Kim PhD (Strategic Management), University of Massachusetts, 2020

Mariah D. Yates PhD (Business Administration), University of Cincinnati Main Campus, 2018

Yuhan Zhan PhD (Business Administration), The Ohio State University Main Campus, 2021

Pedagogical Associate Professor

Aquesha D. Daniels JD (Law), Florida Coastal School of Law, 2011

Instructor I

Kay H. Meggers PhD (Physics, Business Administration, Physics), Foreign College/University, 1995

Tamara L. Strom MSA (Administration), Central Michigan University, 2003

Visiting In-Residence

Sedrik R. Newbern MBA (Business Administration), Tennessee State University, 1999

Business Administration, Minor (332)

Program Requirements (30 hours)

The business administration minor provides a basic exposure to business for students whose majors are outside the Gordon Ford College of Business. It involves courses from each of the college departments. Students with a minor in business administration receive a 3-hour waiver in upper-division coursework in the minor.

Code	Title	Hours
ACCT 110	Accounting for Decision Makers	3
ECON 202	Principles of Economics (Micro)	3
or ECON 203	Principles of Economics (Macro)	

BDAN 250	Introduction to Analytics	3
MATH 123	Mathematical Applications for Business (or any calculus course or a Math ACT of at least a 26 or a Math SAT of at least 610.)	3
FIN 330	Principles of Finance	3
MGT 210	Organization and Management	3
MKT 220	Basic Marketing Concepts	3
Select 9 hours of upper-level business electives with at least two fields represented.		9
Total Hours		30

Credits for ECON 202 or ECON 203 and MATH 123 may be applied to the Colonnade Program requirements.

If the student's major program requires a computer course and/or a course in statistics, the advisor for the business administration minor should be consulted for possible adjustments in the program requirements. The business administration minor is not available to business majors, but it is among the minor programs which are available to the student who is majoring in economics (Bachelor of Arts).

Entrepreneurship, Minor (355)

Program Requirements (21 hours)

A minor in entrepreneurship is an interdisciplinary program housed in the Management Department and coordinated with various departments across campus. It is suitable for those who might want to have their own business or work in an entrepreneurial environment (including large organizations). Students of all majors are encouraged to meet with entrepreneurial advisors to fit the minor to their career interests.

Code	Title	Hours
Core Courses		
ACCT 110	Accounting for Decision Makers	3
MGT 210	Organization and Management	3
MKT 220	Basic Marketing Concepts	3
ENT 312	Entrepreneurship	3
Electives		
Select 9 hours of electives from the following courses or other courses approved with the consent of the department head:		9
Any 300-level or 400-level ENT prefix course		
Any 300-level or 400-level MGT prefix course		
FIN 441	Entrepreneurial Finance	
MKT 328	Digital Marketing	
MKT 427	Entrepreneurial Marketing	
ENT 496	Small Business Analysis and Strategy ¹	
Total Hours		21

¹ Business majors are required to take ENT 496 as part of their nine hours of electives.

For business majors, six hours in the entrepreneurship minor must be unduplicated from courses counted in the business major.

Global Business, Minor (333)

Program Requirements (21 hours)

The international business minor prepares students to be effective citizens and leaders in a global environment of growing economic interdependence among nations. The program is open to all qualified undergraduates who want to pursue professional positions in both small and large multinational firms.

Code	Title	Hours
MGT 303	International Business	3
Select 6 hours from the same prefix in a world language.		6
SPAN, FREN, CHIN, ARBC, GERM, ITAL, JAPN, KORE, RUSS, SWAH		
Choose 1 of the following courses to fulfill the Cultural Component		3
CHIN 333	Chinese Culture and Civilization	
COMM 365	Intercultural Communication	
COMM 471	Communication in Multinational Organizations	
CSJ 380	Our Future: Local and Global	
FREN 323	French Civilization and Culture	
GEOG 462	Geography of South America	
GEOG 465	Geography of East Asia	
GERM 333	Germanic Civilization and Culture	
SOCL 363	Population, Society, and Development	
SOCL 376	Sociology of Globalization	
SPAN 372	Latin American Civilization and Culture	
SPAN 373	Spanish Civilization and Culture	
ARBC 201	Intermediate Arabic I	
CHIN 201	Intermediate Chinese I	
FREN 201	Intermediate French I	
GERM 201	Intermediate German I	
JAPN 201	Intermediate Japanese I	
RUSS 201	Intermediate Russian I	
SPAN 201	Intermediate Spanish I	
Select 3 from the following courses with 2 fields represented:		9
ENT 425	International Entrepreneurship	
MGT 316	International Management	
MGT 410	Senior Seminar-Management	
MGT 413	International Human Resource Management	
ECON 380	International Economics	
ECON 385	Economic Development	
ECON 496	International Monetary Economics	
FIN 436	International Financial Management	
MKT 324	International Marketing	
MKT 423	Supply Chain Management	
Internship		
Study Abroad		
Total Hours		21

Management, Bachelor of Science (723)

Program Coordinator

Whitney O. Peake, whitney.peake@wku.edu, (270) 745-2913

Students pursuing a major in Management may choose one of the following concentrations: **Business Administration, Human Resource Management, Entrepreneurship, Global Business, or Supply Chain Management.**

The Business Administration concentration of the Management major provides a broad business perspective for students who eventually wish to be involved in profit or goal management responsibilities. This program of study is not intended to prepare students for a career in any one type of industry or profession. Rather, it provides the *graduate* with a knowledge of basic managerial skills required by managers from small business owners to corporate presidents.

The Human Resource Management concentration of the Management major is designed to develop skills for managing an essential resource of any organization—its employees. Because of the importance of increasing human productivity, human resource management is viewed as a key contributor to organizational effectiveness. Human resource managers are frequently involved in top-level decision making.

The Entrepreneurship concentration allows students to develop the skills needed to start and own a business, to develop or grow an existing company, or to create an entrepreneurial environment within an organization. Entrepreneurial students are not only prepared to operate a business, they are trained to innovate within existing organizations to increase productivity and performance. Students are encouraged to develop creative and impactful solutions by thinking critically about problems relevant to a variety of organizations, and continually practice and hone these skills through hands-on engagement in real-world exercises and projects.

The Global Business concentration is designed to increase students' knowledge and develop the necessary skills in order to function effectively in today's dynamic global environment. Students learn business practices around the world, international economics and trade regulations, geopolitical impacts on organizations, and cross-cultural management. Students are encouraged to take on an internship in a firm engaged in international business or participate in study abroad.

The Supply Chain Management concentration prepares students to work in the fast-paced and growing environment of supply chain, transportation and logistics. Students learn about operations, and how supply chains are created, defined, operated, maximized and examined across multiple industries. With the exciting supply chain environment in the Southern Kentucky region, students have opportunities to see examples from and work with supply chain professionals.

Concentrations

- Human Resource Management (MGHP)
- Business Administration (MBUS)
- Entrepreneurship (MENT)
- Global Business (MGBU)
- Supply Chain Management (MSCM)

Program Requirements (78 hours)

The undergraduate major in management requires 78 hours of professional and elective courses and leads to a Bachelor of Science degree. No minor is required, although approved minors inside or outside the Gordon Ford College of Business are encouraged.

The undergraduate management program offers four areas of concentration within the major:

1. Business Administration
2. Human Resource Management
3. Entrepreneurship
4. Global Business
5. Supply Chain Management

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Business Administration Concentration

The Business Administration concentration develops student's abilities to analyze and to manage a wide range of business situations. This development occurs by building on fundamental business functions studied in the core courses. The program is for students who intend to manage an independent business or a unit of a larger organization and who want a broad curriculum.

Code	Title	Hours
Business Foundations Courses		
MATH 123	Mathematical Applications for Business	3
ACCT 110	Accounting for Decision Makers	3
BDAN 250	Introduction to Analytics	3
ECON 202	Principles of Economics (Micro)	3
ECON 206	Statistics	3
MGT 210	Organization and Management	3
MKT 220	Basic Marketing Concepts	3
FIN 330	Principles of Finance	3
MGT 498	Strategy and Policy	3
or ENT 496	Small Business Analysis and Strategy	
Career Preparation Courses		
BA 170	Business Student Basics ¹	1
or BA 175	University Experience-Business	
or BA 220	Special Topics in Business Administration (Lower Division)	
MGT 261	Business Communication Fundamentals	3
MGT 399	Career Readiness in Management	1
MGT 499	Senior Assessment in Management	1
Management Required Courses		
MGT 200	Legal Environment of Business	3

MGT 305	Ethics and Critical Thinking	3
MGT 311	Human Resource Management	3
MGT 313	Decision Modeling	3
MGT 314	Operations Management	3
MGT 417	Organizational Behavior	3

Management - Business Administration Concentration Required Courses

ECON 414	Managerial Economics	3
Select one of the following BDAN courses or other Professional Elective: ²		3
BDAN 310	Business Data Analytics	
BDAN 320	Web Analytics	
BDAN 330	Structured Data Analysis	
BDAN 410	DSS Analysis and Design	
BDAN 420	Predictive Modeling	
BDAN 430	Data Visualization	
Professional Elective ²		6
Select a MGT or ENT Elective ³		9
Select a MKT Elective ⁴		3
Select a FIN Elective ⁵		3
Total Hours		78

¹ BA 175 is only for Business LLC students. BA 220 is only for WKU students and transfer students who choose a business major as a sophomore or higher.

² The professional electives may be chosen from any 300- or 400-level course within the Gordon Ford College of Business not already required for the major.

³ The management or entrepreneurship electives may be chosen from any 300- or 400- level course within the Management Department not already required for the major.

⁴ The marketing elective may be chosen from any 300 or 400 level course beyond MKT 220.

⁵ The finance elective may be chosen from any 300 or 400 level course beyond FIN 330.

Human Resource Management Concentration

The Human Resource Management concentration is designed to develop skills for managing an essential resource of any organization—its employees. Because of the importance of increasing human productivity, human resource management is viewed as a key contributor to organizational effectiveness and achievement of strategic goals. Human resources managers are frequently involved in top-level decision making. The Society for Human Resource Management (SHRM) acknowledges that our HR curriculum aligns with its guidelines. We are one of only a few dozen U.S. universities with this recognition.

The HRM concentration is designed to prepare students for a rewarding career as a specialist in an area such as recruitment and selection, training and development, compensation and benefits administration, or labor relations.

Code	Title	Hours
Business Foundations Courses		
MATH 123	Mathematical Applications for Business	3
ACCT 110	Accounting for Decision Makers	3

BDAN 250	Introduction to Analytics	3
ECON 202	Principles of Economics (Micro)	3
ECON 206	Statistics	3
MGT 210	Organization and Management	3
MKT 220	Basic Marketing Concepts	3
FIN 330	Principles of Finance	3
MGT 498	Strategy and Policy	3
or ENT 496	Small Business Analysis and Strategy	

Career Preparation Courses

BA 170	Business Student Basics ¹	1
or BA 175	University Experience-Business	
or BA 220	Special Topics in Business Administration (Lower Division)	
MGT 261	Business Communication Fundamentals	3
MGT 399	Career Readiness in Management	1
MGT 499	Senior Assessment in Management	1

Management - Human Resource Concentration Required Courses

MGT 200	Legal Environment of Business	3
MGT 305	Ethics and Critical Thinking	3
MGT 311	Human Resource Management	3
MGT 314	Operations Management	3
MGT 417	Organizational Behavior	3
MGT 383	Human Resource Information Systems	3
MGT 400	Employment Law	3
MGT 411	Effective Staffing Practices	3
MGT 413	International Human Resource Management	3
MGT 414	Compensation Administration	3
MGT 473	Training in Business and Industry	3
MGT 495	Strategic Human Resources Management	3

Choose 3 of the following courses:

MGT 490	Practicum in Management	
ECON 305	Labor Economics	
MGT 405	Business Negotiation	
MGT 416	Management of Labor Relations	
MGT 419	Management of Organizational Conflict	
SEAS 390	Project Management	
or MGT 326	Managing Projects in Organizations	
ENV 120	Introduction to Occupational Safety and Health	
EMDS 400	Emergency Management Policy and Practices	
EMDS 403	Advanced Disaster Planning, Management, and Preparedness	
EMDS 404	Trends in Disaster Preparedness and Management	
Any MGT 400 level course		

Total Hours**78**

¹ BA 175 is only for Business LLC students. BA 220 is only for WKU students and transfer students who choose a business major as a sophomore or higher.

Entrepreneurship Concentration

The Entrepreneurship concentration allows students to develop the skills needed to start and own a business, to develop or grow an existing company, or to create an entrepreneurial environment within an organization. Entrepreneurial students are not only prepared to operate a business, they are trained to innovate within existing organizations to increase productivity and performance. Students are encouraged to develop creative and impactful solutions by thinking critically about problems relevant to a variety of organizations, and continually practice and hone these skills through hands-on engagement in real-world exercises and projects.

Code	Title	Hours
Business Foundations Courses		
MATH 123	Mathematical Applications for Business	3
ACCT 110	Accounting for Decision Makers	3
BDAN 250	Introduction to Analytics	3
ECON 202	Principles of Economics (Micro)	3
ECON 206	Statistics	3
MGT 210	Organization and Management	3
MKT 220	Basic Marketing Concepts	3
FIN 330	Principles of Finance	3
ENT 496	Small Business Analysis and Strategy	3

Career Preparation Courses

BA 170	Business Student Basics ¹	1
or BA 175	University Experience-Business	
or BA 220	Special Topics in Business Administration (Lower Division)	
MGT 261	Business Communication Fundamentals	3
MGT 399	Career Readiness in Management	1
MGT 499	Senior Assessment in Management	1

Management - Entrepreneurship Concentration Required Courses

MGT 200	Legal Environment of Business	3
MGT 305	Ethics and Critical Thinking	3
MGT 311	Human Resource Management	3
MGT 313	Decision Modeling	3
MGT 314	Operations Management	3
MGT 417	Organizational Behavior	3
ENT 312	Entrepreneurship	3
ENT 380	New Venture Business Planning	3
ENT 363	Family Business Management	3
ENT 463	Small Business Management	3
MKT 427	Entrepreneurial Marketing	3
FIN 441	Entrepreneurial Finance	3
ENT Elective (Choose any unduplicated course with the ENT prefix)		3

Professional Elective (Any 300- or 400-level course within GFCEB not already required for the major.	6
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Total Hours **78**

¹ BA 175 is only for Business LLC students. BA 220 is only for WKU students and transfer students who choose a business major as a sophomore or higher.

Global Business Concentration

The Global Business concentration is designed to increase students' knowledge and develop the necessary skills in to function effectively in today's dynamic global environment. Students learn business practices around the world, international economics and trade regulations, geopolitical impacts on organizations, and cross-cultural management. Students are required to do an internship in a firm engaged in international business or participate in study abroad.

Code	Title	Hours
Business Foundations Courses		

MATH 123	Mathematical Applications for Business	3
ACCT 110	Accounting for Decision Makers	3
BDAN 250	Introduction to Analytics	3
ECON 202	Principles of Economics (Micro)	3
ECON 206	Statistics	3
MGT 210	Organization and Management	3
MKT 220	Basic Marketing Concepts	3
FIN 330	Principles of Finance	3
MGT 498	Strategy and Policy	3
or ENT 496	Small Business Analysis and Strategy	

Career Preparation Courses

BA 170	Business Student Basics ¹	1
or BA 175	University Experience-Business	
or BA 220	Special Topics in Business Administration (Lower Division)	
MGT 261	Business Communication Fundamentals	3
MGT 399	Career Readiness in Management	1
MGT 499	Senior Assessment in Management	1

Global Business Concentration Required Courses

MGT 200	Legal Environment of Business	3
MGT 305	Ethics and Critical Thinking	3
MGT 311	Human Resource Management	3
MGT 313	Decision Modeling	3
MGT 314	Operations Management	3
MGT 417	Organizational Behavior	3
MGT 303	International Business	3
MGT 316	International Management	3

Choose 6 hours (from the same prefix) in a world language

Choose one of the following courses to fulfill the Cultural Component:

CHIN 333	Chinese Culture and Civilization	
COMM 365	Intercultural Communication	
COMM 471	Communication in Multinational Organizations	
CSJ 380	Our Future: Local and Global	

FREN 323	French Civilization and Culture	
GEOG 462	Geography of South America	
GEOG 465	Geography of East Asia	
GERM 333	Germanic Civilization and Culture	
SOCL 363	Population, Society, and Development	
SOCL 376	Sociology of Globalization	
SPAN 372	Latin American Civilization and Culture	
SPAN 373	Spanish Civilization and Culture	
ARBC 201	Intermediate Arabic I	
CHIN 201	Intermediate Chinese I	
FREN 201	Intermediate French I	
GERM 201	Intermediate German I	
JAPN 201	Intermediate Japanese I	
RUSS 201	Intermediate Russian I	
SPAN 201	Intermediate Spanish I	

Choose 4 of the following courses: **12**

MKT 324	International Marketing	
MKT 423	Supply Chain Management	
MGT 405	Business Negotiation	
MGT 413	International Human Resource Management	
MGT 490	Practicum in Management	
MGT 415	Logistics and Transportation Management	
MGT 423	Sourcing and Procurement Management	
ENT 425	International Entrepreneurship	
MGT 495	Strategic Human Resources Management	
FIN 436	International Financial Management	
ENT 312	Entrepreneurship	
ECON 380	International Economics	
ECON 385	Economic Development	
ECON 430	Environmental and Resource Economics	

Total Hours **78**

¹ BA 175 is only for Business LLC students. BA 220 is only for WKU students and transfer students who choose a business major as a sophomore or higher.

Supply Chain Management Concentration

The Supply Chain Management concentration prepares students to work in the fast-paced and growing environment of supply chain, transportation and logistics. Students learn about operations, and how supply chains are created, defined, operated, maximized and examined across multiple industries. With the exciting supply chain environment in the Southern Kentucky region, students have opportunities to see examples from and work with supply chain professionals.

Code	Title	Hours
Business Foundations Courses		
MATH 123	Mathematical Applications for Business	3

ACCT 110	Accounting for Decision Makers	3
BDAN 250	Introduction to Analytics	3
ECON 202	Principles of Economics (Micro)	3
ECON 206	Statistics	3
MGT 210	Organization and Management	3
MKT 220	Basic Marketing Concepts	3
FIN 330	Principles of Finance	3
MGT 498	Strategy and Policy	3
or ENT 496	Small Business Analysis and Strategy	

Career Preparation Courses

BA 170	Business Student Basics ¹	1
or BA 175	University Experience-Business	
or BA 220	Special Topics in Business Administration (Lower Division)	
MGT 261	Business Communication Fundamentals	3
MGT 399	Career Readiness in Management	1
MGT 499	Senior Assessment in Management	1

Supply Chain Concentration Required Courses

MGT 200	Legal Environment of Business	3
MGT 305	Ethics and Critical Thinking	3
MGT 311	Human Resource Management	3
MGT 313	Decision Modeling	3
MGT 314	Operations Management	3
MGT 417	Organizational Behavior	3
MKT 423	Supply Chain Management	3
MGT 415	Logistics and Transportation Management	3
MGT 423	Sourcing and Procurement Management	3
BDAN 310	Business Data Analytics	3
MGT 405	Business Negotiation	3
Choose 4 of the following courses:		12

MGT 410	Senior Seminar-Management	
MGT 490	Practicum in Management	
BDAN 330	Structured Data Analysis	
BDAN 410	DSS Analysis and Design	
BDAN 420	Predictive Modeling	
BDAN 430	Data Visualization	
ECON 451	Games and Strategy	
ECON 465	Regression and Econometric Analysis	
FIN 437	Corporate Asset Management	
MKT 329	Business-To-Business Marketing	
SEAS 310	Safety in Industry	
MFGE 342	Manufacturing Operations	
SEAS 371	Quality Assurance	
SEAS 390	Project Management	
SEAS 394	Lean Systems	

Total Hours **78**

¹ BA 175 is only for Business LLC students. BA 220 is only for WKU students and transfer students who choose a business major as a sophomore or higher.

Finish in Four Plans**Management, Business Administration Concentration (723P, 723)****First Year**

Fall	Hours	Spring	Hours
Colonnade: Natural & Physical Sciences		3 Colonnade: Arts and Humanities	3
BA 170	1	ACCT 110	3
ECON 202	3	General University Elective	3
ENG 100	3	COMM 145	3
MATH 123	3	HIST 101 or HIST 102	3
General University Elective	2		
	15		15

Second Year

Fall	Hours	Spring	Hours
MGT 210	3	MGT 200	3
BDAN 250	3	MGT 261	3
Colonnade: Literary Studies	3	MKT 220	3
Colonnade: Natural & Physical Sciences with lab	3	Colonnade: Connections ¹	3
ECON 206	3	Colonnade: Connections ²	3
	15		15

Third Year

Fall	Hours	Spring	Hours
FIN 330	3	MGT 399	1
MGT 305	3	MGT 311	3
MGT 314	3	MGT 417	3
Business Data Analytics Upper-Division or Professional Elective	3	Marketing Upper-Division Elective	3
Colonnade: Connections ³	3	Colonnade: Writing in the Disciplines	3
		General University Elective	2
	15		15

Fourth Year

Fall	Hours	Spring	Hours
ECON 414	3	MGT 499	1
MGT 313	3	MGT 498 or ENT 496	3
Finance Upper-Division Elective	3	Professional Upper-Division Elective	3
MGT or ENT Upper-Division Elective	3	MGT or ENT Upper-Division Elective	3
MGT or ENT Upper-Division Elective	3	Professional Upper-Division Elective	3
		General University Elective	2
	15		15

Total Hours 120

Management, Human Resource Management Concentration (723P, 723)

First Year			
Fall	Hours	Spring	Hours
Colonnade: Natural & Physical Sciences		3 Colonnade: Arts and Humanities	3
BA 170		1 ACCT 110	3
ECON 202		3 COMM 145	3
ENG 100		3 HIST 101 or HIST 102	3
MATH 123		3 General University Elective	3
General University Elective		2	
	15		15
Second Year			
Fall	Hours	Spring	Hours
ECON 206		3 Colonnade: Connections ¹	3
BDAN 250		3 MGT 261	3
Colonnade: Literary Studies		3 MGT 200	3
MGT 210		3 MKT 220	3
Colonnade: Natural & Physical Sciences with lab		3 Colonnade: Connections ²	3
	15		15
Third Year			
Fall	Hours	Spring	Hours
Colonnade: Connections ³		3 General University Elective	2
FIN 330		3 MGT 417	3
MGT 305		3 MGT 383 or MGT 313	3
MGT 311		3 Human Resources Management Upper-Division Elective	3
MGT 314		3 MGT 399	1
		Colonnade: Writing in the Disciplines	3
	15		15
Fourth Year			
Fall	Hours	Spring	Hours
MGT 411		3 MGT 414	3
MGT 413		3 MGT 498 or ENT 496	3
MGT 400		3 MGT 495	3
MGT 473		3 MGT 499	1
Human Resource Management Upper-Division Elective		3 General University Elective	2
		Human Resources Management Upper-Division Elective	3
	15		15

Total Hours 120

Management, Entrepreneurship Concentration (723P, 723)

First Year			
Fall	Hours	Spring	Hours
Colonnade: Natural & Physical Sciences		3 Colonnade - Arts and Humanities	3
BA 170		1 COMM 145	3
ECON 202		3 ACCT 110	3
ENG 100		3 HIST 101 or HIST 102	3

MATH 123		3 General University Elective	3
General University Elective		2	
	15		15
Second Year			
Fall	Hours	Spring	Hours
ECON 206		3 ENT 312 (K-SY) ¹	3
BDAN 250		3 MGT 261	3
Colonnade: Literary Studies		3 MGT 200	3
MGT 210		3 MKT 220	3
Colonnade: Natural & Physical Sciences with lab		3 Colonnade Connections ²	3
	15		15
Third Year			
Fall	Hours	Spring	Hours
ENT 463		3 MKT 427	3
Colonnade Connections ³		3 MGT 313	3
FIN 330		3 Professional Upper-Division Elective	3
MGT 305		3 Colonnade - Writing in the Disciplines	3
MGT 314		3 Colonnade: Connections ³	3
	15		15
Fourth Year			
Fall	Hours	Spring	Hours
ENT 363		3 General University Elective	2
MGT 311		3 Professional Upper-Division Elective	3
ENT 380		3 ENT Upper Division Elective	3
FIN 441		3 Professional Upper Division Elective	3
MGT 417		3 ENT 496	3
		MGT 499	1
	15		15

Total Hours 120

Management, Global Business Concentration (723P, 723)

First Year			
Fall	Hours	Spring	Hours
Colonnade: Natural & Physical Sciences		3 Colonnade: Arts & Humanities	3
BA 170		1 ACCT 110	3
ECON 202		3 COMM 145	3
ENG 100		3 General University Elective	3
MATH 123		3 HIST 101 or HIST 102	3
General University Elective		2	
	15		15
Second Year			
Fall	Hours	Spring	Hours
ECON 206		3 Colonnade - Connections ¹	3
BDAN 250		3 MGT 261	3
Colonnade: Literary Studies		3 MGT 200	3

MGT 210	3	MKT 220	3
Colonnade: Natural & Physical Sciences with lab	3	Colonnade: Connections ²	3
15		15	

Third Year

Fall	Hours	Spring	Hours
Foreign Language (Same Prefix)		3 Foreign Language (same prefix)	3
FIN 330	3	MGT 313	3
MGT 305	3	Colonnade - Connections ³	3
MGT 316	3	Colonnade - Writing in the Disciplines	3
MGT 314	3	MGT 399	1
		General University Elective	2
15		15	

Fourth Year

Fall	Hours	Spring	Hours
Cultural Component		3 General University Elective	2
MGT 311	3	Professional Upper-Division Elective	3
MGT 303	3	Professional Upper-Division Elective	3
Professional Upper-Division Elective	3	Professional Upper-Division Elective	3
MGT 417	3	MGT 498 or ENT 496	3
		MGT 499	1
15		15	

Total Hours 120

Management, Supply Chain Management Concentration (723P, 723)**First Year**

Fall	Hours	Spring	Hours
Colonnade: Natural & Physical Sciences		3 Colonnade: Arts & Humanities	3
BA 170	1	ACCT 110	3
ECON 202	3	COMM 145	3
ENG 100	3	General University Elective	3
MATH 123	3	HIST 101 or HIST 102	3
General University Elective	2		
15		15	

Second Year

Fall	Hours	Spring	Hours
ECON 206	3	Colonnade - Connections ¹	3
BDAN 250	3	MGT 261	3
Colonnade: Literary Studies	3	MGT 200	3
MGT 210	3	MKT 220	3
Colonnade: Natural & Physical Sciences with lab	3	Colonnade: Connections ²	3
15		15	

Third Year

Fall	Hours	Spring	Hours
MGT 314	3	MGT 415	3
FIN 330	3	MGT 313	3

Colonnade - Connections ³	3	Colonnade: Writing in the Disciplines	3
MGT 305	3	MGT 311	3
MKT 423	3	General University Elective	2
		MGT 399	1

15

15

Fourth Year

Fall	Hours	Spring	Hours
BDAN 310	3	General University Elective	2
MGT 423	3	MGT 417	3
SCM Elective	3	SCM Elective	3
SCM Elective	3	SCM Elective	3
MGT 405	3	MGT 498 or ENT 496	3
		MGT 499	1
15		15	

Total Hours 120

Department of Marketing

Dr. Lukas Forbes, Chair**Email:** Lukas.Forbes@wku.edu (lukas.forbes@wku.edu)**Grise Hall, Office 402****Phone:** (270) 745-2993**Email:** MKT@wku.edu**Website:** <http://www.wku.edu/marketing> (<http://www.wku.edu/marketing/>)

Marketing Vision Statement

Western Kentucky University's Marketing Department will be regionally acclaimed and nationally recognized for excellence in marketing and sales education.

Marketing Mission Statement

"To offer high quality undergraduate and graduate education for our varied constituencies." Our goal is to graduate students with the knowledge and skills necessary for success and leadership in the business community. To accomplish this mission, we will use progressive teaching techniques as well as seek and apply knowledge through research. We also provide service to the university and the community using our expertise. Ultimately, we ensure that students are prepared to excel in an ever changing, increasingly competitive, global environment by engaging them in the classroom and the business community.

Core Values (for students and faculty)

- Honesty
- Integrity
- Trustworthiness
- Ethics
- Initiative
- Curiosity
- Tolerance of Other People and Ideas
- Loyalty
- Accountability / Personal Responsibility
- Entrepreneurial Spirit
- Strong Work Ethic

- Empathy
- Cultural Awareness and Respect

Degree

- Marketing, Bachelor of Science (720) (p. 216)

Minors

- Marketing, Minor (413) (p. 219)
- Sales, Minor (452) (p. 219)

Faculty

Professor

Lukas Forbes PhD (Business Administration), University of Kentucky, 2004

Craig A. Martin PhD (Business Administration, Marketing), University of Memphis, 1999

Kathryn J. Melancon PhD (Business Administration, Marketing), University of Mississippi, 2007

Patricia R. Todd DBA (Business Administration), Cleveland State University, 2006

Assistant Professor

Mary J. Gardner DBA (Marketing), Kennesaw State University, 2017

Kate A. Nicewicz PhD (Business Administration), Kennesaw State University, 2022

Ruomeng Wu PhD (Business Administration), University of Cincinnati Main Campus, 2019

Instructor I

Kristin H. Bennett MBA (Business Administration), Western Kentucky University, 2013

Jeffrey W. Peake MBA (Business Administration), Murray State University, 2010

Gregory A. Siegelman MBA (Business Administration), Cornell University, 1981

Marketing, Bachelor of Science (720)

Program Coordinator

Lukas Forbes, lukas.forbes@wku.edu, (270) 745-2249

Marketing

Marketing is a people-oriented, dynamic business function that leads to goal-oriented exchanges between individuals and organizations. Important marketing activities include developing an idea, good or service intended to satisfy consumer wants and needs, promoting/advertising it to likely customers, selling it at a mutually agreeable price, and distributing it in acceptable locations.

The objectives of the marketing program are to teach students

1. The importance of marketing in an economy characterized by free consumer choice
2. The knowledge and skills required to perform marketing activities
3. The interaction between marketing and diverse environmental forces which impact marketing decisions.

The marketing student is prepared for a wide range of career opportunities in business and non-business, for-profit and not-for-profit organizations. Entry-level business positions serve as a step into professional selling and sales force management, pricing, product or

brand management, social media marketing, advertising, market research, physical distribution, retail management and merchandising, sports and event marketing or purchasing. Marketing also provides a solid foundation for those who hope to own their own business in the future.

Careers in marketing often lead to high-level management positions. Non-business and not-for-profit organizations (hospitals, educational institutions and charitable groups) also seek well-trained marketing graduates.

When planning a program of study in this department, each student should be aware of the University's academic requirements and regulations contained in this catalog in the chapter "Academic Information." Specific attention should be given to the subsections in the chapter entitled (a) Academic Programs, (b) Colonnade Requirements, and (c) Academic Requirements and Regulations. Students should be aware that some academic programs may require additional scholastic regulations and standards not specified in the catalog. To obtain a copy of these regulations, students should contact the department chair.

Concentrations

- Strategic Marketing (MKGM)
- Marketing Sales (MKSA)
- Social Media Marketing (MKSM)

Program Requirements (84 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major in marketing requires 84 hours of professional and elective courses and leads to a Bachelor of Science degree. Marketing majors must earn a "C" or better in all Marketing classes (MKT prefix) used as part of the major. Transfer marketing classes with a grade lower than a "C" will not count towards the Marketing major. No minor or second major is required, although minors and certificates inside and outside the Gordon Ford College of Business are encouraged.

Core Courses

Code	Title	Hours
Business Foundations		
MATH 123	Mathematical Applications for Business	3
ACCT 110	Accounting for Decision Makers	3
BDAN 250	Introduction to Analytics	3
ECON 202	Principles of Economics (Micro)	3
ECON 206	Statistics	3
MGT 210	Organization and Management	3
MKT 220	Basic Marketing Concepts	3
FIN 330	Principles of Finance	3
MGT 498	Strategy and Policy	3
or ENT 496	Small Business Analysis and Strategy	

Career Preparation

BA 170 or BA 175 or BA 220	Business Student Basics ¹ University Experience-Business Special Topics in Business Administration (Lower Division)	1
MGT 261	Business Communication Fundamentals	3
MKT 399	Career Readiness in Marketing	1
MKT 499	Senior Assessment in Marketing	1
Required Courses for All Marketing Majors		
FIN 161	Personal Finance	3
BDAN 305	Principles of MIS with Spreadsheets	3
ECON 306	Statistical Analysis	3
MKT 321	Consumer Behavior	3
MKT 325	Personal Selling	3
MKT 421	Marketing Research	3
MKT 422	Marketing Management	3
MKT 423	Supply Chain Management	3
Skillset 1: Ethics and Critical Thinking		
Select 1 of the following courses or any ethics course with department approval:		3
MGT 200	Legal Environment of Business	
MGT 305	Ethics and Critical Thinking	
Skillset 2: Data Analysis		
Select 1 of the following courses or any data analysis course with department approval:		3
BDAN 330	Structured Data Analysis	
MKT 420	Senior Seminar-Marketing	
MKT 328	Digital Marketing	
Skillset 3: Creative Execution		
Select 1 of the following courses or any creative course with department approval:		3
MKT 322	Integrated Marketing Communications	
MKT 331	Social Media Marketing	
AD 210	Software Studio	
Skillset 4: Negotiation		
Select 1 of the following courses or any negotiation course with department approval:		3
MGT 405	Business Negotiation	
MKT 425	Advanced Personal Selling Strategies	
Total Hours		69

Choose one concentration from below:

Strategic Marketing Concentration

Code	Title	Hours
Select one of the following:		3
MKT 322	Integrated Marketing Communications	
MKT 328	Digital Marketing	
MKT 331	Social Media Marketing	
Select 1 of the following:		3
MKT 327	Retailing Management and Strategy	

MKT 329	Business-To-Business Marketing	
MKT 331	Social Media Marketing	
Select 6 hours of marketing electives:		6
MKT 3@		
MKT 4@		
Select 3 hours of professional electives:		3
ACCT 3@		
ACCT 4@		
BA 3@		
BA 4@		
BDAN 3@		
BDAN 4@		
CIS 3@		
CIS 4@		
ECON 3@		
ECON 4@		
ENT 3@		
ENT 4@		
FIN 3@		
FIN 4@		
MGT 3@		
MGT 4@		
MKT 3@		
MKT 4@		
Total Hours		15

Sales Concentration (MKSA)

Code	Title	Hours
MKT 329	Business-To-Business Marketing	3
MKT 424	Sales Force Management	3
MKT 425	Advanced Personal Selling Strategies	3
Select 3 hours of marketing electives:		3
MKT 3@		
MKT 4@		
Select 3 hours of professional electives		3
ACCT 3@		
ACCT 4@		
BA 3@		
BA 4@		
BDAN 3@		
BDAN 4@		
CIS 3@		
CIS 4@		
ECON 3@		
ECON 4@		
ENT 3@		
ENT 4@		
FIN 3@		
FIN 4@		
MGT 3@		
MGT 4@		
MKT 3@		

MKT 4@		
Total Hours		15
Social Media Marketing Concentration (MKSM)		
Code	Title	Hours
MKT 322	Integrated Marketing Communications	3
MKT 328	Digital Marketing	3
MKT 331	Social Media Marketing	3
Select 3 hours of marketing electives:		3
MKT 3@		
MKT 4@		
Select 3 hours of professional electives:		3
ACCT 3@		
ACCT 4@		
BA 3@		
BA 4@		
BDAN 3@		
BDAN 4@		
CIS 3@		
CIS 4@		
ECON 3@		
ECON 4@		
ENT 3@		
ENT 4@		
FIN 3@		
FIN 4@		
MGT 3@		
MGT 4@		
MKT 3@		
MKT 4@		
Total Hours		15

¹ BA175 is only for Business LLC students. BA220 is only for WKU students and transfer students who choose a business major as a sophomore or higher.

Finish in Four Plans

Marketing, Marketing Sales Concentration (720)

First Year			
Fall	Hours	Spring	Hours
BA 170, BA 175, or BA 220 ¹		1-3 HIST 101 or HIST 102	3
ECON 202		3 ACCT 110	3
FIN 161		3 BDAN 250	3
ENG 100		3 COMM 145	3
MATH 123		3 Colonnade: Natural & Physical Sciences	3
		13-15	15
Second Year			
Fall	Hours	Spring	Hours
MGT 210		3 MKT 220	3
ECON 206		3 MGT 261	3

Colonnade: Literary Studies	3 Colonnade: Connections (Social & Cultural)	3
Colonnade: Arts and Humanities	3 General University Elective	3
Colonnade: Natural & Physical Sciences with Lab	3 Colonnade: Connections (Local to Global)	3

15

Third Year			
Fall	Hours	Spring	Hours
FIN 330		3 ECON 306	3
MKT 321		3 MKT 331, MKT 322, or ADV 210 (Creative Execution Skillset)	3
BDAN 305		3 MKT 329	3
MKT 325		3 MKT 424	3
MGT 200 or MGT 305		3 ENG 300	3
MKT 399		1	

16

Fourth Year			
Fall	Hours	Spring	Hours
MKT 421		3 ENT 496 or MGT 498	3
MKT 423		3 MKT 422	3
MKT 3@ or MKT 4@ (Marketing Elective)		3 MKT 425	3
MKT 420		3 MKT 499	1
Colonnade: Connections (Systems)		3 Professional Elective	3
		General Elective	3

15

Total Hours 120-122

Marketing, Social Media Marketing Concentration (720P, 720)

First Year			
Fall	Hours	Spring	Hours
BA 170, BA 175, or BA 220 ¹		1 HIST 101 or HIST 102	3
ECON 202		3 ACCT 110	3
FIN 161		3 BDAN 250	3
ENG 100		3 COMM 145	3
MATH 123		3 Colonnade: Natural & Physical Sciences	3
		13	15

Second Year			
Fall	Hours	Spring	Hours
MGT 210		3 MKT 220	3
ECON 206		3 MGT 261	3
Colonnade: Literary Studies		3 Colonnade: Connections (Social & Cultural)	3
Colonnade: Arts and Humanities		3 Colonnade: Connections (Local to Global)	3
Colonnade: Natural & Physical Sciences with Lab		3 General University Elective	3
		15	15

Third Year			
Fall	Hours	Spring	Hours
FIN 330		3 ECON 306	3
MKT 321		3 MKT 331	3
MKT 325		3 MKT 328	3

MKT 322	3	BDAN 330	3
MGT 200 or MGT 305	3	MGT 405	3
MKT 399	1		
	16		15

Fourth Year

Fall	Hours	Spring	Hours
MKT 421		3 ENT 496 or MGT 498	3
Professional Upper-Division Elective OR Marketing Upper-Division Elective		4 MKT 422	3
MKT 329		3 MKT 3@ or MKT 4@ (Marketing Elective)	3
MKT 423		3 Professional Elective	3
		MKT 425 or MGT 405	3
		MKT 499	1
	13		16

Total Hours 118

Marketing, Strategic Marketing Concentration (720P, 720)**First Year**

Fall	Hours	Spring	Hours
BA 170, BA 175, or BA 220 ¹		1 HIST 101 or HIST 102	3
ECON 202		3 ACCT 110	3
FIN 161		3 BDAN 250	3
ENG 100		3 COMM 145	3
MATH 123		3 Colonnade: Natural & Physical Sciences	3
	13		15

Second Year

Fall	Hours	Spring	Hours
MGT 210		3 MKT 220	3
ECON 206		3 MGT 261	3
Colonnade: Literary Studies		3 Colonnade: Connections (Social & Cultural)	3
Colonnade: Arts and Humanities		3 Colonnade: Connections (Local to Global)	3
Colonnade: Natural & Physical Sciences with Lab		3 General University Elective	3
	15		15

Third Year

Fall	Hours	Spring	Hours
FIN 330		3 ECON 306	3
MKT 321		3 MKT 329	3
MGT 305 or MGT 200		3 MKT 331	3
MKT 325		3 MKT 328	3
BDAN 305		3 MKT 3@ or MKT 4@ (Marketing Elective)	3
MKT 399	1		
	16		15

Fourth Year

Fall	Hours	Spring	Hours
MKT 421		3 MKT 422	3
MKT 423		3 ENT 496 or MGT 498	3
MKT 322		3 MKT 499	1
BDAN 330		3 MGT 405	3
MKT 3@ or MKT 4@ (Marketing Elective)		3 MKT 327	3

Professional Elective	3
15	16

Total Hours 120

Marketing, Minor (413)**Program Coordinator**

Ivan S. Novikov, ivan.novikov@wku.edu, (270) 745-6197

The marketing minor provides an attractive complement to many traditional liberal arts majors. Combinations of marketing with foreign language, agriculture, advertising, the performing arts, sports, health care and hospitality services, fashion retailing and others would broaden and strengthen career options. Marketing has a role in any occupational field that involves consumers and the choices which they make.

Program Requirements (24-27 hours)

Students who are business majors must take 15 hours of marketing courses beyond MKT 220. The minor requires 24 to 27 semester hours, at least 6 hours must be unduplicated from courses counted in the major. MATH 123 or any calculus class or have a Math ACT of at least 26 or a Math SAT of at least 610 and SOCL 100 or PSY 100 / PSYS 100 are recommended as background courses before beginning the minor though they are not a part of the minor program. The MATH and SOCL / PSY / PSYS courses may be applied to Colonnade requirements.

Code	Title	Hours
ACCT 220		
ECON 202 or ECON 203	Principles of Economics (Micro) Principles of Economics (Macro)	3
ECON 206	Statistics (or equivalent)	3
MKT 220	Basic Marketing Concepts	3
MKT 321	Consumer Behavior	3
Select 9-12 hours of upper-level MKT electives ¹		9-12
Total Hours		21-24

¹ 12 hours of upper-level MKT electives for business majors

Marketing minors must earn a "C" or better in all Marketing classes (MKT prefix) used as a part of the minor on the degree program. Transfer marketing classes with a grade of less than a "C" will not count towards the marketing minor. More detailed information is available from the Department of Marketing.

Sales, Minor (452)**Program Coordinator**

Lukas Forbes, lukas.forbes@wku.edu, (270) 745-2249

The sales minor provides an attractive option for students interested in professional selling. Combining a sales minor with a variety of fields such as finance, accounting, management, advertising, communication, health care and hospitality services, public relations, fashion retailing and numerous others would provide very strong career options.

Program Requirements (18 hours)

Code	Title	Hours
Core Courses		
MKT 220	Basic Marketing Concepts	3

MKT 325	Personal Selling	3
MKT 425	Advanced Personal Selling Strategies	3
Additional Courses		
Select one of the following:		3
COMM 345	Advanced Public Speaking	
PSY/PSYS 350	Social Psychology	
PSY 371	The Psychology of Sales Behavior	
FIN 350	Risk Management and Insurance	
Select two of the following:		6
MGT 261	Business Communication Fundamentals	
MKT 323	Services Marketing	
MKT 329	Business-To-Business Marketing	
MKT 331	Social Media Marketing	
MKT 424	Sales Force Management	
COMM 365	Intercultural Communication	
Or any marketing elective approved by Department Head.		
Total Hours		18

Sales minors must earn a "C" or higher in all marketing classes (MKT prefix) used as part of the minor. At least 6 hours in the Sales minor must be unduplicated from courses counted in the major and/or other minors. More detailed information is available from the Department of Marketing.

Interdisciplinary Programs

Certificate

- Advanced Professionalism, Certificate (1730) (p. 220)

Advanced Professionalism, Certificate (1730)

Program Coordinator

Monica Q. Duvall, monica.duvall@wku.edu, (270) 745-4136

This certificate focuses on competencies needed for career readiness and professional development for transitioning to the business field, including assessment, exploration, and experiential components. Students must complete the following categories.

Program Requirements (12 hours)

Code	Title	Hours
Category I Advanced Communication ¹		9
Select three of the following:		
COMM 240	Effective Listening	
COMM 260	Organizational Interviewing	
COMM 330	Leadership Communication	
COMM 345	Advanced Public Speaking ²	
COMM 365	Intercultural Communication ³	
COMM 374	Gender Communication	
COMM 463	Advanced Intercultural Communication ³	
ENG 306	Business Writing	
ENG 307	Technical Writing	

MGT 305	Ethics and Critical Thinking ²	
MGT 261	Business Communication Fundamentals	
MKT 325	Personal Selling	
Category II Applied Career Experience ²		
Select one of the following:		3
ACCT 390	Internship in Accounting	
BDAN 490	Practicum in Analytics and Information Systems	
ECON 490	Practicum in Economics	
FIN 440	Internship in Finance	
MGT 490	Practicum in Management	
MKT 490	Practicum in Marketing	
BA 490	College of Business Internship	
HON 404	Honors Thesis / Project II ⁴	1-3
Category III (Students must pass this 0 credit course prior to graduation)		
BA 495	Career Development Attendance	0
Total Hours		13-15

¹ 9 hours; maximum 6 hours for any prefix.

² Each of these courses lists prerequisites that are already required in GFCB undergraduate programs.

³ Each of these courses lists prerequisites that could require additional coursework by the student.

⁴ Students may petition the certificate program coordinator to use HON 404 to satisfy Category II.

College of Education and Behavioral Sciences

Gary A. Ransdell Hall, Office 2038

Phone: 270-745-4662; Fax: 270-745-6474

Website: <http://www.wku.edu/cebs> (<http://www.wku.edu/cebs/>)

Dr. Corinne Murphy, Dean

Email: Corinne.Murphy@wku.edu (corinne.murphy@wku.edu)

Dr. Dennis K. George, Associate Dean

Email: Dennis.George@wku.edu

The College of Education and Behavioral Sciences fulfills its mission of, "Empowering Individuals to Lead and Serve our Dynamic World, through preparing and developing professionals in diverse disciplines who serve our region and beyond.

The College of Education and Behavioral Sciences is composed of the School of Teacher Education; the School of Leadership and Professional Studies; and the Departments of Counseling and Student Affairs; Military Science and Leadership, and Psychology. In addition, the College provides services to the community through the Center for Gifted Studies; the World Council for Gifted and Talented Children; Training and Technical Assistance Services; Military Student Services; the Center for Environmental Education and Sustainability; the Center for Excellence in Teaching and Learning – Models in Innovation; the Center for Literacy; the Center for Innovation in Math, Science, Engineering, and Technology Educational Excellence; the Kelly Autism Program, housed in the Suzanne Vitale Clinical Education Complex, the Talley Family Counseling Center, located in Gary Ransdell Hall; and the Center for the Study of Lifespan Development.

Within the College, undergraduate, graduate, and professional doctoral programs are offered in educational leadership, school counseling, mental health counseling, marriage, couple and family counseling, student affairs, educational administration, elementary education, gifted studies, middle grades education, secondary education, science and mathematics education, environmental education, interdisciplinary early childhood education, special education, library/informatics and technology, literacy education, adult education, military science and leadership, organizational leadership, interdisciplinary studies, workforce administration, general psychology, clinical psychology, and school psychology. The College's programs are designed to prepare graduates for roles as teachers and school leaders, as well as for roles in business, clinical agencies, government, and industry. In conjunction with the ROTC program, the College provides well-educated commissioned officers to serve in the Regular Army, the Army National Guard, and the U.S. Army Reserves.

Baccalaureate programs (undergraduate majors and minors) in these areas are described in this catalog, while information about master's, education specialist, and doctoral degree programs are provided in the Graduate catalog. Those interested in any of these programs should contact the chair of the appropriate department or the College of Education and Behavioral Sciences Dean's Office. In addition, information about each department and program may be found on the College's website: <http://www.wku.edu/cebs> (<http://www.wku.edu/cebs/>).

Teacher Education Programs

The College of Education and Behavioral Sciences offers programs that are specifically designed for the professional growth of teachers

and school leaders. These programs encompass the pre-service, in-service, and continuing education aspects of teachers' professional preparation. Within this framework, the programs serve to develop positive attitudes toward the profession of teaching, skills in specific areas, and dispositions necessary for continuous professional growth.

While the College of Education and Behavioral Sciences assumes primary responsibility for the professional preparation of teachers, the opportunity to educate teachers for the schools of the Commonwealth and the nation is shared by the University as a whole. Western Kentucky University is a charter member of the Renaissance Group for Teacher Education, which reflects its total campus commitment to quality teacher education programs.

The College's undergraduate teacher preparation programs are designed to meet the University's standards for baccalaureate degrees and the Kentucky standards for the designated teaching certificate. If the requirements for certification are changed at the state level, students seeking certification may be required to modify their programs of study to meet the new requirements. The professional education unit is accredited by Kentucky's Education Professional Standards Board and the Council for the Accreditation of Educator Preparation. All programs are approved by Kentucky's Educational Standards Board. All professional education courses require completion of field experiences in appropriate off-campus settings as mandated by the Kentucky Education Professional Standards Board. Details about the field placement policy, including the requirements for approval to be placed in a field setting, are provided on the website for the Office of Professional Educator Services (<http://www.wku.edu/teacherservices> (<http://www.wku.edu/teacherservices/>)).

For the most current information on teacher education and certification, admission to professional education, and admission to student teaching, consult the website for the Office of Professional Educator Services: <http://www.wku.edu/teacherservices> (<http://www.wku.edu/teacherservices/>). Other policies applicable to students in teacher education programs may be found here: <http://www.wku.edu/cebs/programs/undergraduate/policies/>.

Students should begin seeking admission to the professional education unit early in their major. Students who have not met the requirements for admission to professional education may not proceed in a teacher education program past the pre-requisite courses.

The following are required of all undergraduate students seeking admission to professional education:

1. The candidate must file an application for admission to professional education and attend a Professional Education Admissions Orientation.
2. The candidate must file a statement indicating no convictions or pending charges on a felony or sexual misconduct misdemeanor. Individuals with a conviction or pending charges must contact and confer with the Director of Professional Educator Services. Falsification of this statement will result in immediate removal from teacher education.
3. The candidate must file a statement verifying that he/she understands such information as the current employment conditions, demands of the teaching field, wide range of skills essential to the teaching field, amount and nature of required class work, necessity of becoming involved in clinical experiences, increasing complexity of the teaching profession, cut-off scores on required tests, and academic attainment required for admission.

4. The candidate must file a statement indicating that he/she have received a written copy of the: (1) requirements for admission to teacher education and student teaching, (2) components/requirements related to program courses (portfolios, authentic assessment techniques, field experiences), (3) "Program Matriculation Standards Correlated to Teacher Admission," and (4) current Kentucky testing requirements (Praxis CORE). A complete list of requirements for admission to teacher education and student teaching may be found at Admission to the Professional Education Program Checklist (<https://docs.google.com/document/d/1O8gyD5NkMJp4e6vxN1u7ckckhoMeC0p1jJrk1fetMd0/edit/>).
 5. The candidate must file a statement indicating a commitment to uphold The Professional Code of Ethics for Kentucky School Personnel and received notification of the Code of Conduct Review.
 6. The candidate must submit a completed physical, TB screening, Child Abuse & Neglect (CAN) check, and criminal background check (through Verified Credentials), all dated within one year of submission.
 7. In order to be admitted to teacher education, the candidate must achieve and maintain a minimum overall GPA of 2.75. (In order to student teach the candidate must have a 2.75+ GPA in professional education, any identified certification area(s), and overall.) If the candidate has less than a 2.75 GPA, he/she can request admission based on the last 30 hours of course work if GPA is 3.0 or above. Requests must be emailed to the Office of Professional Educator Services at teacher.services@wku.edu.
 8. The candidate must provide the Office of Professional Educator Services with official verification that he/she has successfully completed the pre-professional skills assessments of basic knowledge administered by the Educational Testing Service with the corresponding minimum score: The Praxis Core Academic Skills for Educators (CASE): Reading, Writing, and Mathematics with minimums of 150 in Mathematics, 156 in Reading, and 162 in Writing. Praxis Test Preparation at WKU: https://www.wku.edu/educatorservices/praxis_test_prep.php. Candidate may also provide verification that he/she has successfully completed the ACT skills assessments with the following minimum scores: 20 in ACT Reading, 18 in ACT English, 19 in ACT Math. Teacher candidates may also use a combination of passing Praxis CORE scores and/or ACT scores to meet the admissions requirements. A cumulative GPA of 3.0 or higher can substitute for a Praxis CORE assessment that falls within 5 points below the identified minimum requirement for each assessment area. All scores are valid for a period of 10 years from the issue date.
 9. If pursuing a second degree program, the candidate must submit to the Office of Professional Educator Services a copy of their written degree program. Students must be admitted to/enrolled in a program that leads to certification.
 10. All candidates must be officially approved by the Professional Education Committee prior to applying for student teaching. Each of the above requirements must be met prior to committee consideration of the candidate. Deadlines for application and committee consideration of a candidate's credentials are: September 15 for Fall admission and February 15 for Spring admission.
2. Demonstrate proficiency in oral communication, either by attaining a minimum grade of "C" in COMM 145 (or approved equivalent course); OR by documenting a minimum undergraduate degree GPA of at least 2.75.
 3. Demonstrate proficiency in written communication, either by attaining a GPA of at least 2.5 in ENG 100 and ENG 300 (or approved equivalent courses), with neither grade lower than a "C" (English credit earned with an Advanced Placement score of 3 or higher, ACT English score of 29, SAT Verbal score of 620, or CLEP proficiency will be accepted as equivalent to a "B"); OR by documenting a minimum undergraduate degree GPA of at least 2.75.
 4. Obtain three favorable faculty recommendations.
 5. Submit a copy of an approved written degree program or certification-only program for a program leading to initial certification.

WKU programs that lead to teacher certification through Kentucky Educational Professional Standard Board (EPSB):

1. Bachelor of Science in Elementary Education (grades P-5) leading to teacher certification.
2. Bachelor of Science in Middle Level Education in Social Studies and Language Arts (grades 5-9) leading to certification in English/Communications and/or Social Studies.
3. Bachelor of Science in Science and Mathematics Education, leading to certification for middle school (grades 5-9) or secondary (grades 8-12) mathematics or science certification when combined with one of the following majors:
 - Middle Grades Mathematics
 - Middle School Science
 - Biology
 - Mathematics
 - Chemistry
 - Physics
4. Bachelor of Science in Interdisciplinary Early Childhood Education (birth to primary age), leading to certification.
5. Bachelor of Science in Special Education/Elementary Education: Learning and Behavior Disorders (grades P-12) and Elementary Education (grades P-5) leading to dual teacher certification in both areas.
6. Program of study in Secondary Education (grades 8-12) leading to certification with the following academic majors:
 - English for Secondary Teachers
 - Social Studies (includes Economics, Geography, Government, History, Psychology, Sociology)
7. Program of study in Middle/Secondary Education (grades 5-12) leading to certification with the following academic majors:
 - Agriculture Education
 - Family and Consumer Sciences Education
8. Program of study in Comprehensive Education (grades P-12) leading to certification with the following academic majors:
 - Art Education
 - Modern Languages Education, including Chinese, Spanish
 - Music Education (Instrumental, Integrated, Vocal)
 - Physical Education
9. Program of study in Comprehensive Education (grades P-12) leading to certification with the following academic minor (also requires completion of a teacher certifiable major):
 - Health Education

Required of applicants seeking a second baccalaureate degree or certification-only for initial certification (in addition to the requirements for all students):

1. Document a minimum overall GPA of at least 2.75 (counting all coursework completed at the time of admission to teacher education), or a minimum GPA of at least 3.0 in the last 30 hours.

Expiration of Courses and Programs Leading to Teacher Certification

For Undergraduate Certification-only Programs

A student who entered WKU as a beginning freshman or transfer student Fall 2005 and thereafter (i.e. electronic degree audit eligible students) will be allowed seven consecutive years from the student's catalog term (initial term of entry) to complete coursework. The Dean of the College of Education and Behavioral Sciences may grant an extension to this deadline. If the Commonwealth of Kentucky makes changes in certification requirements, students seeking certification may be required to modify their programs of study to meet the new requirements.

For Undergraduate Courses Used to Satisfy Requirements in Programs Leading to Teacher Certification

Consistent with CAEP Standards, approved courses for programs leading to teacher certification must be aligned with current standards. Some older courses may not be aligned with current standards, and thus it may not be appropriate to count them in a student's program. Generally speaking, professional education and "content" courses used to satisfy program requirements in programs leading to professional education certification should be no more than 10 years old. Decisions about whether older content courses may be used will be made on a case-by-case basis by the department chair of the student's major. For students in programs leading to secondary certification (Grades P-12, 5-12, and 8-12), decisions about whether older pedagogy courses may be used will be made by the faculty in the department in which the course is offered. However, if the pedagogy course is offered outside of the School of Teacher Education, the decision about whether the course may be used will be made in consultation with the School of Teacher Education. In all cases, documentation regarding the currency of course content and the alignment of the course with current teacher standards must be provided by the student and approved by the department that offers the course, upon recommendation from the School of Teacher Education when appropriate. Students who wish to use courses older than 10 years to satisfy program requirements may be required to demonstrate proficiency related to current course content and learning outcomes.

Advising for Teacher Education Programs

All majors will be advised in the College of Education and Behavioral Science once they have reached junior status.

Recommendation for Initial Teacher Certification

To be recommended for initial certification at the baccalaureate level (including post-baccalaureate certification-only programs), an applicant must document:

- Completion of approved program in each desired certification area(s);
- Passing score(s) on the PRAXIS II exam(s) or other assessments required for each desired teaching area(s) (see <http://www.ets.org/praxis/ky> (<http://www.ets.org/praxis/ky/>) for the most current list of required assessments);
- Achievement of at least a 2.75 GPA overall, in each certifiable major(s) and minor(s), and in professional education courses; and
- Attainment of at least a "C" in all professional education courses, including EDU 489 and student teaching.

Transfer Credit for Teacher Education

If determined to be equivalent, professional education courses completed at another institution may be accepted for transfer to Western Kentucky

University teacher preparation programs, provided that a minimum grade of "C" was earned in each course accepted for transfer and the course meets the course expiration guidelines as stated above.

Field Experience Policy

WKU undergraduate teacher preparation programs are designed to meet the University's standards for baccalaureate degrees, master's degrees, specialist degrees, and certification-only programs, as well as the Kentucky standards for the designated teaching certificate. All professional education programs require completion of a variety of diverse and focused field experiences in appropriate off-campus Primary-Grade 12 school settings and school-related settings as well as student teaching or equivalent experiences. The number of required hours of field experiences varies by program; however, a minimum of 200 hours of approved off-campus field experience is required in professional education courses prior to the student teaching experience or equivalent.

The candidate is responsible for documenting completed hours, date, and setting. In addition, all programs require one 16-week or two 8-week full-time student teaching placements, or appropriate equivalent. Every effort is made to provide teacher candidates with field experiences in diverse settings (based on socioeconomic status, race/ethnicity, language, and exceptionalities of students) in order to ensure that they are prepared to help all students learn. Prior to visiting any school a student must have the following documents on file with the Office of Professional Educator Services (OPES): A current TB risk assessment and physical on the required Kentucky Department of Education form, a recent criminal background check through Verified Credentials, and a Child Abuse and Neglect (CAN) check. Students who are currently employed by a Kentucky School district may provide alternate background check verification upon approval from OPES.

By state regulation, the requirements regarding field experience apply to all students doing student teaching in Spring 2014 and beyond.

- Department of Counseling and Student Affairs (p. 224)
- Department of Military Science and Leadership (p. 224)
 - Military Leadership, Bachelor of Science (733) (p. 225)
 - Military Science, Minor (420) (p. 227)
- Department of Psychology (p. 227)
 - Clinical and Community Behavioral Health, Minor (436) (p. 228)
 - Psychology, Bachelor of Arts (760) (p. 229)
 - Psychology, Minor (438) (p. 232)
- School of Leadership and Professional Studies (p. 232)
 - Business, Associate of Arts (288) (p. 233)
 - Interdisciplinary Professionalism and Success, Certificate (1765) (p. 234)
 - Interdisciplinary Studies, Associate of Interdisciplinary Studies (246) (p. 235)
 - Interdisciplinary Studies, Bachelor of Interdisciplinary Studies (558) (p. 236)
 - Organizational Leadership, Bachelor of Science (545) (p. 237)
 - Organizational Leadership, Certificate (1721) (p. 239)
 - Organizational Leadership, Minor (431) (p. 239)
 - Real Estate, Certificate (195) (p. 240)
 - Workforce Administration, Bachelor of Science (739) (p. 240)
- School of Teacher Education (p. 241)
 - Elementary Education, Bachelor of Science (527) (p. 242)
 - Interactive Training and Leadership, Certificate (1725) (p. 244)

- Interdisciplinary Early Childhood Education, Bachelor of Science (526) (p. 244)
- Middle Level Education in Social Studies and Language Arts, Bachelor of Science (5001) (p. 247)
- Science and Mathematics Education (SMED), Bachelor of Science (774) (p. 250)
- Special Education: Learning and Behavior Disorders and Elementary Education, Bachelor of Science (5003) (p. 251)

Department of Counseling and Student Affairs

Dr. Jill Sauerheber, Chair

Gary A. Ransdell Hall, Office 2011

Phone: (270) 745-4953; Fax: (270) 745-5031

Email: Counseling-StudentAffairs@wku.edu

Website: <http://www.wku.edu/csa> (<http://www.wku.edu/csa/>)

The Department of Counseling and Student Affairs offers graduate courses and programs designed to prepare clinical mental health counselors; marriage, couple, and family counselors; school counselors; and student affairs professionals; college and career readiness coaches; and addictions specialists. Specific information about these programs can be obtained from The Graduate School's website (<https://www.wku.edu/graduate/>), or see the departmental website at <http://www.wku.edu/csa> (<http://www.wku.edu/csa/>) for the most current program information.

Faculty

Professor

Monica G. Burke PhD (Education, Educational Administration and Supervision), University of Southern Mississippi, 1997

Aaron W. Hughey EdD (Educational Administration), Northern Illinois University, 1988

Cynthia P. Mason EdD (Instruction and Administration), University of Kentucky, 1996

Jill Duba Sauerheber PhD (Counseling & Human Development Services), Kent State University Kent Campus, 2004

Associate Professor

Lacretia T. Dye PhD (Counselor Education), Western Michigan University, 2012

Assistant Professor

Hannah M. Coyt PhD (Counselor Education- Supervisor), Lindsey Wilson College, 2020

Andrea K. Jenkins PhD (Counseling), Old Dominion University, 2015

Department of Military Science and Leadership

LTC Anthony Struzik, Department Chair

Academic-Athletic Building #1 E.A. Diddle Arena, Office 1512

Phone: 270-745-4293; Fax: 270-745-6050

Email: army.rotc@wku.edu

Website: <http://www.wku.edu/rotc> (<http://www.wku.edu/rotc/>)

The Department of Military Science and Leadership prepares well-educated students with leadership potential to serve as officers in the United States Army, the Army Reserve, or the Army National Guard

through progressive, hands-on training with the Reserve Officers' Training Corps (ROTC). Academic instruction and supervision are provided by a career Army officer in the grade of Lieutenant Colonel, who serves as the department chair and the Professor of Military Science (PMS). A staff of Army commissioned and non-commissioned officers assist the PMS.

The military science program is voluntary and is open to both male and female students. Students do not incur a military obligation by participating in the basic course.

The military science curriculum consists of basic and advanced courses.

Basic Course

The basic course consists of a four-semester block of instruction normally taken during the freshman and sophomore years. The emphasis in these courses is on team and leadership development, "hands-on" equipment instruction, land navigation, and leadership skills training. In order to receive credit for completing the basic course in residence at Western Kentucky University, the student must complete MIL 101, MIL 102, MIL 201, and MIL 202.

The student also may gain credit for the basic course by taking MIL 210. This course is the 28-Day Basic Course conducted at Fort Knox, Kentucky, and instructs students in those subjects taught during the basic course of the ROTC program.

Students with prior military service, or membership in the National Guard or Reserves, also may receive advanced placement for part of or the entire basic course, depending upon the amount and character of service performed. Regardless of the option, advanced placement, or prior military training completed, a student must complete the basic course or its equivalent to gain eligibility to enroll in the advanced course.

Advanced Course

The advanced course is designed to commission officers for service in the United States Army, both active duty and reserve. Successful completion of the advanced course at Western Kentucky University earns the student a commission as a Second Lieutenant in the United States Army. The advanced course consists of four semester-long courses and a 33-day summer course. An additional military history course, normally taken during the junior or senior years, must also be completed prior to being fully qualified for commissioning.

The student must graduate from Advanced Camp (AC) prior to being eligible for commissioning. AC is normally attended during the summer break between the end of the junior and the start of the senior year.

While attending AC, students receive training pay. The U.S. Army furnishes travel expenses to and from AC, uniforms, quarters, medical care, and rations during the course period.

Additionally, advanced course cadets may be eligible to attend Army schools such as Airborne, Air Assault, and Northern Warfare. They may also spend several weeks during the summer with active Army units located in Europe, Asia, and throughout the United States. These activities are voluntary, and students must meet high standards to be eligible for attendance.

The applicant for the advanced course of instruction must:

1. Be a citizen of the United States or an alien in a category approved by the Department of the Army. Approval must be granted prior to enrollment.

2. Be at least 17 years of age at the time of enrollment and not reach 30 years of age at the time of commissioning in the U.S. Army (this may be waived).
3. Be medically qualified in accordance with standards prescribed by the Department of the Army.
4. Have satisfactorily completed the basic course, attended Basic Course, or have equivalent military or ROTC training in lieu of. Veterans holding honorable discharges may qualify for the advanced course.
5. Have a minimum overall academic average of 2.0 and have completed a minimum of 60 credit hours.
6. Be selected by the Professor of Military Science.
7. Execute a written agreement with the government to complete the two-year advanced course of training; attend AC; agree in writing to accept an appointment as a commissioned officer in the Army Reserve; and serve a prescribed tour of active or reserve component duty as a commissioned officer.

Simultaneous Membership Program

This program is designed to allow selected members of the Army National Guard and Army Reserve to enroll in the Advanced Army ROTC Program. These students serve in their units as officer trainees while completing the advanced course of instruction. Upon completion of the advanced course and college graduation, they are commissioned as Second Lieutenants. Please contact Brandon Smith at Brandon.Smith@wku.edu or call (270) 745-6054.

Financial Assistance Program

Army ROTC offers a scholarship program to provide financial assistance to outstanding young men and women who are interested in the Army as a profession. Scholarships may be awarded for periods of two, three, or four years. Four-year scholarships are awarded to selected high school applicants who plan to attend a university hosting Army ROTC. Applicants must apply prior to the deadline during their senior year in high school. Contact the Recruiting Officer for the deadline.

Two- and three-year scholarships are awarded to university sophomores or freshmen who desire to earn an officer's commission. Each scholarship provides tuition, textbooks, classroom supplies, and laboratory fees in addition to tax-free allowances of \$420 per month. Budget dependent, four-year scholarship recipients may receive room and board scholarships from the University. Two- and three-year scholarship recipients may receive room scholarships from the University.

Applicants are not required to be enrolled in the ROTC program to apply. Competition is very keen and is open nationwide. Students wishing to apply for these scholarships must submit a completed application to the Department of Military Science and Leadership.

Degree

- Military Leadership, Bachelor of Science (733) (p. 225)

Minor

- Military Science, Minor (420) (p. 227)

Military Leadership, Bachelor of Science (733)

Program Coordinator

Beth A. Dillon, beth.dillon@wku.edu, (270) 745-4586

The major in military leadership creates well-prepared, well-educated, culturally aware, dynamic leaders through interdisciplinary coursework, internships, Army training and schools, community involvement, and various leadership opportunities. The military leadership program spans up to eight semesters, during which the student is mentored and developed using emphasis on team and leadership skills training. In addition to military science courses, the student selects nine credit hours from political science, psychology, management, communications, geography, sociology, and history. With the completion of additional requirements, students may also be able to earn a certificate in organizational leadership.

Although the program prepares students to be eligible for commission in the U.S. Army, program graduates are not required to seek commissions. In addition to prospective officers, non-commissioned officers and veterans may also be admitted to the major in military leadership.

Program admission requirements for those seeking a commission are:

- Be a citizen of the United States or an alien in a category approved by the Department of the Army. Approval must be granted prior to enrollment.
- Be at least 17 years of age at the time of enrollment and not reach 30 years of age at the time of commissioning in the U.S. Army (this may be waived).
- Be medically qualified in accordance with standards prescribed by the Department of the Army.
- Have a minimum overall academic grade point average of 2.0.
- Be recommended by the Professor of Military Science (department chair).
- Execute a written agreement with the government to complete the two-year advanced course of training, attend Advanced Course (AC), agree in writing to accept appointment as a commissioned officer in the Army Reserve, and service a prescribed tour of active or reserve service component duty as a commissioned officer.

Upon completion of the program, the student will be eligible to receive a commission as a Second Lieutenant in the United States Army.

Program admission requirements for those with prior military service or those who are currently serving as non-commissioned officers not seeking a commission are:

- Be a citizen of the United States or an alien in a category approved by the Department of the Army. Approval must be granted prior to enrollment.
- Be medically qualified in accordance with standards prescribed by the Department of the Army.
- Have a minimum overall academic grade point average of 2.0.
- Be recommended by the Professor of Military Science (department chair).

Simultaneous Membership Program

This program is designed to allow selected members of the Army National Guard and Army Reserve to enroll in the Advanced Army ROTC Program. These students serve in their units as officer trainees while completing the advanced course of instruction. Upon completion of the advanced course and college graduation, they are commissioned as Second Lieutenants. Please contact Brandon Smith at Brandon.Smith@wku.edu or call (270) 745-6054.

Financial Assistance Program

Army ROTC offers a scholarship program to provide financial assistance to outstanding young men and women who are interested in the Army as a profession. Scholarships may be awarded for periods of two, three, or four years. Four-year scholarships are awarded to selected high school applicants who plan to attend a university hosting Army ROTC. Applicants must apply prior to the deadline during their senior year in high school. Contact the Recruiting Officer for the deadline.

Two- and three-year scholarships are awarded to university sophomores or freshmen who desire to earn an officer's commission. Each scholarship provides tuition, textbooks, classroom supplies, and laboratory fees in addition to tax-free allowances of \$420 per month. Budget dependent, four-year scholarship recipients *may* receive room and board scholarships from the University. Two- and three-year scholarship recipients may receive room scholarships from the University.

Applicants are not required to be enrolled in the ROTC program to apply. Competition is very keen and is open nationwide. Students wishing to apply for these scholarships must submit a completed application to the Department of Military Science and Leadership.

Program Requirements (36-42 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
Basic Courses		
Select one of the following options: ¹		7-10
MIL 101 & MIL 102 & MIL 201 & MIL 202	Introduction to the Army and Mountaineering and Foundations of Army Leadership and Army Leadership and Ethics and Team Building and Army Doctrine	
MIL 209 & MIL 210	Introduction to Military Life and Military Science Practicum (Leader's Training Course)	
Advanced Courses ¹		
MIL 301	Army Training Management and Warfighting Functions	3
MIL 302	Applied Tactical Army Leadership	4
MIL 401	Professional Leadership Skills	3
MIL 402	Role of the Army Officer	4
MIL 410 or LEAD 400	Military Science Practicum (Leadership Development and Assessment Course) Practicum in Leadership	3-6
Restricted Elective		
HIST 299 or HIST 494	Introduction to Military History U S Military History	3

Electives

Select 9 hours of electives with advisor approval from the following list; at least two disciplines must be represented:		9
PSY 355	Issues in Cross-Cultural Psychology	
PSY 412	Psychology of Motivation and Emotion	
PS 250	International Politics	
PS 260	Introduction to Comparative Politics	
PS 350	Political Terrorism	
PS 357	U S Foreign Policy	
PS 363	Politics of Developing Nations	
PS 365	Government and Politics of the Middle East	
PS 366	Government and Politics in East Asia	
PS 367	Government and Politics of Russia and Eastern Europe	
PS 368	African Government and Politics	
PS 457	Theories of War and Peace in International Relations	
COMM 240	Effective Listening	
COMM 362	Organizational Communication	
COMM 463	Advanced Intercultural Communication	
MGT 210	Organization and Management	
MGT 419	Management of Organizational Conflict	
LEAD 200	Introduction to Leadership Studies	
LEAD 400	Practicum in Leadership	
HIST 426	Hitler and Nazi Germany	
HIST 439	Rise and Decline of Communism	
SOCL 260	Race and Ethnic Relations	
SOCL 362	Social Institutions: Race, Class, and Gender	
SOCL 375	Diversity in American Society	
GEOG 364	Geography of Europe	
GEOG 462	Geography of South America	
GEOG 465	Geography of East Asia	
GEOG 466	Geography of Africa	
GEOG 467	Geography of the Middle East	
Total Hours		36-42

¹ Students must take the following courses in sequential order unless authorized by the PMS.

A second major or minor is required. Students are encouraged to choose a second major related to their intended career objectives.

Finish in Four Plan

Finish in Four Plan may vary pending participation in LTC and LDAC:

- LTC - only required for students working towards a U.S. Army Commission and wanting to waive the Basic Course MIL requirements

- LDAC - only required for students who are working towards a commission in the U.S. Army

First Year					
Fall	Hours	Spring	Hours		
MIL 101		2 MIL 102		2	
ENG 100		3 COMM 145		3	
HIST 101 or HIST 102		3 MATH 109 or MATH 116		3	
Colonnade: Arts & Humanities		3 Colonnade: Literary Studies		3	
Colonnade: Natural & Physical Science		3 Colonnade: Social and Behavioral Sciences		3	
		General University Elective		2	
14		16			

Second Year					
Fall	Hours	Spring	Hours	Summer	Hours
MIL 201		3 MIL 202		3 MIL 209	1
ENG 300 or COMM 200		3 Colonnade: Connections (Local to Global)		3 Leaders Training Course (LTC) at Ft Knox	6
2nd Major/ Minor Course		3 2nd Major/ Minor Course		3	
Colonnade: Natural & Physical Sciences with lab		3 2nd Major/ Minor Course		3	
Colonnade: Connections (Social and Cultural)		3 World Language (if needed) OR 2nd Major/ Minor Course		3	
15		15		7	

Third Year					
Fall	Hours	Spring	Hours	Summer	Hours
MIL 301		3 MIL 302		4 MIL 410 (LDAC)	6
Colonnade: Connections (Systems)		3 HIST 299		3	
2nd Major/ Minor Course		3 Military Leadership Elective		3	
2nd Major/ Minor Course		3 2nd Major/ Minor Course		3	
General University Elective		3 General University Elective (ONLY needed if took MIL 209 and MIL 210)		3	
15		13		6	

Fourth Year					
Fall	Hours	Spring	Hours		
MIL 401		3 MIL 402		4	
Military Leadership Elective		3 LEAD 400 (if MIL 410 not taken)		1-6	
2nd Major/ Minor Course		3 2nd Major/ Minor Course		3	

2nd Major/ Minor Course	3 General University Elective	1
General University Elective	1 Military Leadership Elective	3
13		17

Total Hours 131

Military Science, Minor (420)

Program Requirements (26-30 hours)

Code	Title	Hours
Select one of the following:		6-10
MIL 101 & MIL 102 & MIL 201 & MIL 202	Introduction to the Army and Mountaineering and Foundations of Army Leadership and Army Leadership and Ethics and Team Building and Army Doctrine	
MIL 210	Military Science Practicum (Leader's Training Course)	
Credit for the basic course through military service (i.e., completion of the Basic Course)		
MIL 301	Army Training Management and Warfighting Functions	3
MIL 302	Applied Tactical Army Leadership	4
MIL 401	Professional Leadership Skills	3
MIL 402	Role of the Army Officer	4
MIL 410	Military Science Practicum (Leadership Development and Assessment Course) (Advanced Course)	6
Total Hours		26-30

Those students who complete the advanced course may use military science as an academic minor. A minor in military science requires 26-30 hours depending upon the amount of advanced placement awarded the student.

Department of Psychology

Drs. Pitt Derryberry and Steve Wininger, Co-Department Chairs

Gary A. Ransdell Hall, Office 3012

Phone: (270) 745-2695; Fax: (270) 745-6934

Email: Psych@wku.edu

Website: <http://www.wku.edu/psychology/>

facebook: <http://www.facebook.com/PsychologyatWKU> (<http://www.facebook.com/PsychologyatWKU/>)

The Department of Psychology offers courses, programs, and research opportunities that contribute to the professional and pre-professional training of psychology students and at the same time serves other departments where professional training requires knowledge of psychology. Information about the psychology major can be found

on the department web site: <http://www.wku.edu/psychology> (<http://www.wku.edu/psychology/>).

Degree

- Psychology, Bachelor of Arts (760) (p. 229)

Minors

- Clinical and Community Behavioral Health, Minor (436) (p. 228)
- Psychology, Minor (438) (p. 232)

Faculty

Professor

Pitt Derryberry PhD (Educational Psychology), The University of Alabama, 2001

Lisa C. Duffin PhD (Educational Studies, Educational Psychology), Purdue University Main Campus, 2009

Frederick G. Grieve PhD (Psychology, Clinical Psychology), University of Memphis, 1996

Carl L. Myers PhD (Psychology), Iowa State University, 1995

Steven R. Wininger PhD (Educational Psychology, Sports Psychology), Florida State University, 1998

Qin Zhao PhD (Educational Psychology), University of Florida, 2008

Associate Professor

Anthony R. Paquin PhD (Psychology), Texas A & M University, 1997

Jenni L. Redifer PhD (Educational Psychology), University of Florida, 2012

Assistant Professor

Melissa A. Baker PhD (Psychology), University of Mississippi, 2019

Sarah E. Bonis PhD (School Psychology), University of Houston, 2017

Thomas J. Gross PhD (Educational Psychology), Oklahoma State University Main Campus, 2013

Sungjin Im PhD (Clinical Psychology), University of Nevada, Reno, 2018

Erin A. Jant PhD (Developmental Psychology), Loyola University New Orleans, 2011

Michelle R. Persich PhD (Psychology), North Dakota St University Main Campus, 2020

Christopher S. Peters PhD (Psychology), University of Arkansas Main Campus, 2013

Timothy S. Thornberry PhD (Clinical Psychology), Auburn University, 2013

Pedagogical Associate Professor

Quentin M. Hollis MA (Psychology), Western Kentucky University, 1995

Pedagogical Assistant Professor

Cassie M. Whitt PhD (Psychology), The University of Alabama, 2022

Instructor I

James R. Prather PhD (Experimental Psychology), University of Louisville, 1997

Clinical and Community Behavioral Health, Minor (436)

The Clinical and Community Behavioral Health (CCBH) minor is for those interested in careers in mental and behavioral health such as Clinical, Counseling, and School Psychology; Social Work; and other fields in the human services sector. Those completing this minor will:

- Be better prepared for careers in mental and behavioral health and human services.

- Gain greater awareness of major psychological theories and paradigms of relevance in mental and behavioral health and human services.
- Demonstrate understanding of different mental and behavioral health and human service organizations including roles of professionals, range of services offered, and organizational values.

The CCBH minor can be paired with the Psychology major and is open to any other major in the university.

Program Requirements (21 hours)

The minor in Clinical and Community Behavioral Health is an interdisciplinary minor that contributes to the preparation of students who are interested in careers in the mental health field and human services sector. The minor requires 21 hours, 12 of which must be from Psychology.

Code	Title	Hours
Required Introductory – Psychology		
Select one of the following:		3
PSY 100	Introduction to Psychology	
PSY 220	Introduction to Lifespan Developmental Psychology	
PSY 250	Adjustment and Personal Growth	
Required Introductory – Related Disciplines		
Select 6 hours in separate fields from the following:		6
CNS 110	Human Relations	
FACS 191	Child Development	
or FACS 297	Family, Community and Early Childhood Program	
SWRK 101	Foundations of Human Services	
or SWRK 205	Introduction to Social Work	
GERO 100	Introduction to the Aging Experience	
REC 220	Understanding the Nonprofit Sector	
Required Community Connections		
Select one of the following:		3
PSY 390	Field Experience in Psychology	
PSY 470	Psychology and Law	
PSY 346	Foundations of Clinical and Community Behavioral Health	
SWRK 326	Services for the Older American	
SWRK 356	Services for Juvenile Offenders and Their Families	
SWRK 436	Services to Children	
Principles of Mental Health		
Select 9 hours of the following; at least 6 must be from Psychology:		9
PSY 355	Issues in Cross-Cultural Psychology	
PSY 412	Psychology of Motivation and Emotion	
PSY 422	Adolescent Psychology	
PSY 440	Abnormal Psychology	
PSY 441	Psychological Aspects of Alcoholism	

PSY 442	Beginning Skills in Psychological Interviewing
PSY 443	Behavior Modification
PSY 445	Introduction to Clinical and School Psychology
FACS 311	Family Relations
FACS 391	Risk and Resilience
FACS 492	Growth and Guidance of Children
FACS 494	Parenting Strategies
FACS 495	Family and Relationship Violence
FACS 496	Addressing Challenging Behavior in Young Children
GERO 461	Person-Centered Dementia Management
CNS 432	Helping Skills

Total Hours

21

Psychology, Bachelor of Arts (760)

Program Coordinator

Steven R. Wininger, steven.wininger@wku.edu, (270) 745-2696

Psychology Major: The Bachelor of Arts (BA) Degree in Psychology

The Bachelor of Arts (BA) degree in Psychology (https://www.wku.edu/psychology/programs/undergraduate/major_requirements16-17.php) is a great program for those interested in helping others and who want to understand why people behave the way they do. The BA program is suitable for those interested in pursuing specific career paths in psychology including clinical, counseling, and school as well as other related applied areas of psychology like forensic and sport psychology.

The BA program offers students flexibility in their programs of study allowing them to select courses specific to their future interests that will make them more attractive to employers and graduate programs. The BA program also maintains a liberal arts focus by exposing students to coursework in related fields like Gerontology, Family and Consumer Sciences, and Philosophy. Ultimately, students pursuing the BA degree in Psychology develop objective and deep understanding of human behavior and mental processes as well as strong critical thinking and data analysis skills, all of which are valuable in any field one chooses to enter following graduation.

Concentrations

- General (No Concentration)
- Forensic Psychology (PSFP)
- Sport Psychology (PSSP)

Program Requirements (34-53 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The general major in psychology requires a minimum of 34 semester hours and leads to a Bachelor of Arts degree. A minor, second major, or the sport psychology concentration is required. At least half of the program must be in upper division courses (numbered 300 or above).

Core Courses for Major and Concentrations

Code	Title	Hours
PSY 100	Introduction to Psychology ¹	3
PSY 210	Research Methods in Psychology ¹	3
PSY 211	Research Methods in Psychology Laboratory ¹	1
PSY 313	Statistics in Psychology	3
PSY 481	History of Psychology	3
Total Hours		13

Additional Required Course for Psychology Major

Code	Title	Hours
Select one of the following:		3
MATH 183	Introductory Statistics	
PHIL 215	Symbolic Logic	
Another mathematics course that satisfies the Colonnade: Quantitative Reasoning requirement ²		

¹ A "C" or higher is required in PSY 100, PSY 210, and PSY 211.

² Excluding MATH 109.

General Psychology (without Concentration)

The general psychology major requires 34 hours. The following courses are required in addition to the core courses:

Code	Title	Hours
Applied Development and Behavior		
Select one of the following:		3
PSY/PSYS 220	Introduction to Lifespan Developmental Psychology	
PSY 422	Adolescent Psychology	
FACS 191	Child Development	
GERO 100	Introduction to the Aging Experience	
Foundations of Behaviors		
Select one of the following:		3
PSY 331	Psychology of Learning	
PSYS 333	Cognitive Psychology	
PSY 412	Psychology of Motivation and Emotion	
PSY 436	Applied Cognitive Psychology	
PSYS 363	Sensory and Perceptual Systems	
PSYS 450	Psychology of Personality	
Group Behavior		
Select one of the following:		3
PSY 350	Social Psychology	
PSY 355	Issues in Cross-Cultural Psychology	
PSY 371	The Psychology of Sales Behavior	
PSY 470	Psychology and Law	
Behavioral Change		

Select one of the following:	3
PSY 340 Sport Psychology	
PSY 440 Abnormal Psychology	
PSY 442 Beginning Skills in Psychological Interviewing	
PSY 443 Behavior Modification	
PSY 445 Introduction to Clinical and School Psychology	
Psychology Electives	
Select any courses with at least 6 hours in courses numbered 300 or above ¹	9
Total Hours	21

¹ With the exception of PSY 175 or PSY 310

Forensic Psychology Concentration

The forensic psychology concentration requires 40 hours. The following courses are required in addition to the core courses:

Code	Title	Hours
Applied Development and Behavior		
Select one of the following:		3
PSY/PSYS 220	Introduction to Lifespan Developmental Psychology	
PSY 422	Adolescent Psychology (recommended)	
FACS 191	Child Development	
GERO 100	Introduction to the Aging Experience	
Foundations of Behaviors		
Select one of the following:		3
PSY 331	Psychology of Learning	
PSY 412	Psychology of Motivation and Emotion	
PSY 436	Applied Cognitive Psychology	
PSYS 333	Cognitive Psychology	
PSYS 363	Sensory and Perceptual Systems	
PSYS 450	Psychology of Personality	
Group Behavior		
Select one of the following:		3
PSY 350	Social Psychology	
PSY 355	Issues in Cross-Cultural Psychology	
PSY 371	The Psychology of Sales Behavior	
Behavioral Change		
Select one of the following:		3
PSY 340	Sport Psychology	
PSY 440	Abnormal Psychology	
PSY 442	Beginning Skills in Psychological Interviewing	
PSY 443	Behavior Modification	
PSY 445	Introduction to Clinical and School Psychology	
Forensic Psychology Concentration Courses¹		
PSY 470	Psychology and Law	3
PSY 472	Advanced Forensic Psychology	3

Restricted Electives		
Select three of the following:		9
CRIM 101	Introduction to Criminal Justice	
CRIM 330	Criminology	
CRIM 456	Homicide and Serial Homicide	
PHIL 211	Why Are Bad People Bad?	
PHIL 427	Philosophy of Law	
PS 220	Judicial Process	
PS 328	Criminal Justice Procedures	
Total Hours		27

¹ Concentration courses may not be counted as category courses

Sport Psychology Concentration

The sport psychology concentration requires 53 hours. The following courses are required in addition to the core courses:

Code	Title	Hours
Applied Development and Behavior		
Select one of the following:		3
PSY/PSYS 220	Introduction to Lifespan Developmental Psychology	
PSY 422	Adolescent Psychology	
FACS 191	Child Development	
GERO 100	Introduction to the Aging Experience	
Foundations of Behaviors		
Select one of the following:		3
PSY 331	Psychology of Learning	
PSYS 333	Cognitive Psychology	
PSYS 363	Sensory and Perceptual Systems	
PSY 436	Applied Cognitive Psychology	
PSYS 450	Psychology of Personality	
Group Behavior		
Select one of the following:		3
PSY 350	Social Psychology	
PSY 355	Issues in Cross-Cultural Psychology	
PSY 371	The Psychology of Sales Behavior	
PSY 470	Psychology and Law	
Behavioral Change		
Select one of the following:		3
PSY 440	Abnormal Psychology	
PSY 442	Beginning Skills in Psychological Interviewing	
PSY 443	Behavior Modification	
PSY 445	Introduction to Clinical and School Psychology	
Sport Psychology Concentration Courses¹		
PSY 340	Sport Psychology	3
PSY 412	Psychology of Motivation and Emotion	3
PSY 290	Supervised Study in Psychology	3
or PSY 390	Field Experience in Psychology	

or PSY 490	Research, Readings or Special Projects in Psychology	
Additional Required Courses		
BIOL 131	Human Anatomy and Physiology	4
PE 311	Exercise Physiology	3
PE 313	Motor Development	3
HMD 211	Human Nutrition	3
HMD 360	Advanced Nutrition	3
or HMD 364	Sports Nutrition	
or HMD 368	Dietary and Herbal Supplements	
COMM 315	Sport Communication	3
or LEAD 300	Leadership Theory and Application	
or SOCL 324	Sociology of Sport	
Total Hours		40

¹ Concentration courses may not be counted as category courses.

Finish in Four Plans Psychology, General (760)

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 COMM 145	3
HIST 101 or HIST 102		3 MATH 183 or PHIL 215	3
PSY 100 or PSYS 100		3 World Language 102 (if needed) OR General University Elective	3
Colonnade: Natural & Physical Sciences		3 Colonnade: Arts & Humanities	3
World Language 101 (if needed) OR General University Elective		3 Colonnade: Natural & Physical Sciences with lab	3
	15		15
Second Year			
Fall	Hours	Spring	Hours
PSY 210 or PSYS 210		3 PSY 313 or PSYS 313	3
PSY 211 or PSYS 211		1 PSY Category Course	3
2nd Major/Minor/ Elective Course		3 PSY Elective (numbered 200 or above, not PSY 175 or PSY 310)	3
2nd Major/Minor/ Elective Course		2 2nd Major/Minor/ Elective Course	3
Colonnade: Literary Studies		3 2nd Major/Minor/ Elective Course	3
Colonnade: Connections (Systems)		3	
	15		15
Third Year			
Fall	Hours	Spring	Hours
PSY Category Course		3 PSY Category Course	3
PSY Elective (numbered 300 or above, not PSY 175 or PSY 310)		3 PSY Category Course	3
2nd Major/Minor/ Elective Course		3 PSY Elective (numbered 300 or above, not PSY 175 or PSY 310)	3
Colonnade: Writing in the Disciplines		3 Colonnade: Connections (Social and Cultural)	3

Colonnade: Connections (Local to Global)	3 2nd Major/Minor/ Elective Course	3	
15		15	
Fourth Year			
Fall	Hours	Spring	Hours
PSY 481		3 2nd Major/Minor/ Elective Course	3
PSY Category Course		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
15		15	
Total Hours 120			

Psychology, Forensic Psychology Concentration (760)

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 COMM 145	3
HIST 101 or HIST 102		3 MATH 183 or PHIL 215	3
PSY 100 or PSYS 100		3 World Language 102 (if needed) OR General University Elective	3
Colonnade: Natural & Physical Sciences		3 Colonnade: Arts & Humanities	3
World Language 101 (if needed) OR General University Elective		3 Colonnade: Natural & Physical Sciences with lab	3
	15		15
Second Year			
Fall	Hours	Spring	Hours
PSY 210 or PSYS 210		3 PSY 313 or PSYS 313	3
PSY 211 or PSYS 211		1 PSY 440	3
CRIM 101		3 PSY Category Course	3
PS 220 (fulfills major and Colonnade: Connections (Systems))		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
Colonnade: Literary Studies		3	
	16		15
Third Year			
Fall	Hours	Spring	Hours
PSY 470		3 PHIL 211 (fulfills major and Colonnade: Connections (Social and Cultural))	3
PSY Category Course		3 PSY 472	3
2nd Major/Minor/ Elective Course		3 PSY Category Course	3
Colonnade: Writing in the Disciplines		3 2nd Major/Minor/ Elective Course	3
Colonnade: Connections (Local to Global)		3 2nd Major/Minor/ Elective Course	3
	15		15
Fourth Year			
Fall	Hours	Spring	Hours
PSY 481		3 2nd Major/Minor/ Elective Course	3

CRIM 456	3 2nd Major/Minor/ Elective Course	3
PSY Category Course	3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course	3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course	2 2nd Major/Minor/ Elective Course	3
14		15
Total Hours 120		

Psychology, Sports Psychology Concentration (760)

First Year

Fall	Hours	Spring	Hours
ENG 100		3 COMM 145	3
HIST 101 or HIST 102		3 Colonnade: Arts & Humanities	3
MATH 183 or PHIL 215		3 PSY 220, FACS 191, or GERO 100 (Psychology Applied Development & Behavior Category)	3
PSY 100 or PSYS 100 (Need C or better)		3 BIOL 131*	4
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
15		16	

Second Year

Fall	Hours	Spring	Hours
Colonnade: Literary Studies		3 PSY 313	3
HMD 211 (fulfills major and Colonnade - Connections: Systems)*		3 PSY 350 (fulfills major and Colonnade - Connections: Social and Cultural)	3
PSY 210 or PSYS 210 (Need C or better)		3 PE 313*	3
PSY 211 or PSYS 211 (Need C or better)		1 COMM 315, LEAD 300, or SOCL 324 (choose one; concentration required course)*	3
Colonnade: Natural & Physical Sciences (CHEM 109 recommended)		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3	
16		15	

Third Year

Fall	Hours	Spring	Hours
PSY 340*		3 PSY 412*	3
Colonnade: Writing in the Disciplines		3 PSY 440, PSY 442, or PSY 443 (Psychology Behavioral Change Category)	3
Colonnade: Connections (Local to Global)		3 HMD 360, HMD 364, or HMD 368*	3
PSY 331 or PSY 436 (Psychology Foundations Category)		3 2nd Major/Minor/ Elective Course	3
PSY 290, PSY 390, or PSY 490*		1-3 2nd Major/Minor/ Elective Course	3
PE 311*		3	
18		15	

Fourth Year

Fall	Hours	Spring	Hours
PSY 481		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
2nd Major/Minor/ Elective Course		3 2nd Major/Minor/ Elective Course	3
15		15	

Total Hours 125

* Sport Psychology Concentration Required Course

Psychology, Minor (438)

Program Requirements (21 hours)

The minor program is designed by the student with the approval of the student's advisor. At least twelve hours of the coursework must be in upper-division courses (numbered 300 or above).

Code	Title	Hours
PSY 100	Introduction to Psychology	3
Select a minimum of 18 semester hours		18
Total Hours		21

School of Leadership and Professional Studies

Dr. Marguerita DeSander, Director

Gary A. Ransdell Hall, Office 3086

Phone: (270) 745-4890

The School of Leadership and Professional Studies offers a variety of career-oriented associate and baccalaureate degree programs and flexible interdisciplinary baccalaureate and associate degrees. The School consists of academic programs in organizational leadership, business studies, workforce administration, and interdisciplinary studies. A certificate in real estate studies is also offered. The School of Leadership and Professional Studies is also home to University Learning, WKU's non-discipline specific first-year experience course. The School is heavily engaged in educational outreach and offers programs in on-line, hybrid, and face-to-face formats. The academic programs within the School share a common emphasis on the delivery of transfer-, military-, and adult-friendly academic programs.

Degrees

- Business, Associate of Arts (288) (p. 233)
- Interdisciplinary Studies, Associate of Interdisciplinary Studies (246) (p. 235)
- Interdisciplinary Studies, Bachelor of Interdisciplinary Studies (558) (p. 236)
- Organizational Leadership, Bachelor of Science (545) (p. 237)
- Workforce Administration, Bachelor of Science (739) (p. 240)

Minors

- Organizational Leadership, Minor (431) (p. 239)

Certificates

- Interdisciplinary Professionalism and Success, Certificate (1765) (p. 234)
- Organizational Leadership, Certificate (1721) (p. 239)
- Real Estate, Certificate (195) (p. 240)

Professor

Dennis K. George PhD (Environment Sci & Engr), University of North Carolina Chapel Hill, 1994

Gary W. Houchens PhD (Educational Leadership & Organizational Development), University of Louisville, 2008

Associate Professor

Marguerita K. Desander PhD (Ed Policy/Plan/Ldsp), College of William and Mary, 2005

Kimberlee K. Everson PhD (Educ Inquiry, Measurement, & Evaluation), Brigham Young University, 2012

Said Ghezal PhD (Organization and Management, Information Technology Management), Capella University, 2011

Stacy R. Leggett EdD (Educational Administration), George Washington University, 2015

Assistant Professor

Lester A. Archer PhD (Educ Leadership/Research), Louisiana State University & A&M College, 2017

Nicholas L. Brake PhD (Educational Administration), University of Louisville, 2003

Visiting Assistant Professor

William W. Cottongim EdD (Educational Leadership), Western Kentucky University, 2012

Pedagogical Associate Professor

Mark A. Staynings MA (Economics), Western Kentucky University, 1993

Pedagogical Assistant Professor

Cortney S. Basham MAE (Student Affairs), Western Kentucky University, 2001

Anne L. Heintzman PhD (English Rhetoric and Composition), University of Louisville, 2010

Wren A. Mills PhD (Educational Leadership & Organizational Development), University of Louisville, 2010

Will R. Perry EdD, Lipscomb University, 2017

Rheanna P. Plemons EdD (Educational Leadership, Organizational Leadership), Western Kentucky University, 2014

Instructor I

Jon R. Akers MA (Secondary School Counseling), Eastern Kentucky University, 1998

Hannah G. Cady MA (Organizational Leadership), Western Kentucky University, 2021

Business, Associate of Arts (288)

Program Coordinator

Said Ghezal, said.ghezal@wku.edu, (270) 745-4285

The associate degree in business is a two-year program that quickly prepares students for employment in a variety of professional settings. Graduates may also complete a baccalaureate degree in several related areas.

Concentrations

- Management Information Systems (BCMI)
- Real Estate (BCRE)
- Business Management (BCSB)
- Business Management Prep (BMGP)
- Office Management and Supervisor (BCMS)
- Leadership (BCLD)

Program Requirements (60 hours)

The Business degree program requires a minimum of 60 hours including 15 hours of Colonnade Requirements, a business core of 24 credit hours, and concentration in one specialization from the following: Business Management, Business Management Preparation, Management Information Systems, Leadership, Office Management and Supervision, or Real Estate. Please check with your academic advisor for specific requirements.

Code	Title	Hours
Core Courses		
ACC 200C	Introductory Accounting—Financial	3
ACC 201C	Introductory Accounting-Managerial	3
CSCI 145C	Introduction to Computing	3
BUS 100C	Introduction to Business	3
FINC 161C	Personal Finance	3
BUS 210C	Organization and Management	3
BUS 212C	Principles of Marketing	3
BUS 253C	Management Capstone	3
Colonnade Requirements		
ENG 100	Introduction to College Writing	3
COMM 145	Fundamentals of Public Speaking and Communication ¹	3
Select an Arts and Humanities Foundations or Explorations course		3
Select a Social and Behavioral Science Foundations or Explorations course		3
MA 116C or MA 109C	College Algebra General Mathematics	3
Total Hours		39

¹ Students are encouraged to take the business and professional sections of this course.

Business Management Concentration

Code	Title	Hours
BUS 102C	Introduction to Ethical Issues in Business	3
BUS 214C	Business Communication	3
BUS 254C	Office Administration	3
BUS 248C	Supervisory Management	3
BUS 250C	Business Entrepreneurship	3
BUS 257C	Management of Human Resources	3
BUS 270C	Labor Relations Management	3
Total Hours		21

Business Management Preparation Concentration

Code	Title	Hours
BUS 214C	Business Communication	3
BUS 257C	Management of Human Resources	3
MGMT 200C	Legal Environment of Business	3
ECO 206C	Statistics	3
Select nine hours of advisor approved 300-level courses ¹		9
Total Hours		21

¹ MGT, MKT, FIN, ECON, or ENT courses.

Leadership Concentration

Code	Title	Hours
BUS 214C	Business Communication	3
BUS 245C	Managing Diversity in the Workplace	3
BUS 248C	Supervisory Management	3
BUS 257C	Management of Human Resources	3
LEAD 200	Introduction to Leadership Studies	3
Select six hours of 300-level or above Leadership courses		6
Total Hours		21

Management Information Systems Concentration

Code	Title	Hours
INS 181C	Computer Programming I	3
INS 182C	Computer Operating System	3
INS 270C	Electronic Spreadsheets	3
INS 272C	Database Management	3
INS 275C	Web Page Design	3
Select two advisor-approved INS electives ¹		6
Total Hours		21

¹ Internship strongly recommended.

Office Management and Supervision Concentration

Code	Title	Hours
BUS 102C	Introduction to Ethical Issues in Business	3
BUS 214C	Business Communication	3
BUS 225C	Records and Information Management	3
BUS 245C	Managing Diversity in the Workplace	3
BUS 248C	Supervisory Management	3
BUS 254C	Office Administration	3
BUS 257C	Management of Human Resources	3
Total Hours		21

Real Estate Concentration

Code	Title	Hours
RE 170C	Essentials of Real Estate	3
RE 171C	Real Estate Brokerage Operation	3
RE 272C	Real Estate Finance	3
RE 273C	Real Estate Law	3

RE 274C	Real Estate Appraisals	3
Select a Real Estate elective		3
Select a Business elective ¹		3
Total Hours		21

¹ BUS 230C Internship strongly recommended.

Interdisciplinary Professionalism and Success, Certificate (1765)

Program Coordinator

Wren A. Mills, wren.mills@wku.edu, (270) 745-3169

This certificate focuses on competencies needed for career readiness and professional development for transitioning into the workplace. Coursework required in the following areas: foundational knowledge; research and writing; global learning, diversity, and service; and emerging professional exploration. Completion of the CEBS Student Success Academy required for certificate completion.

Program Requirements (12-15 hours)

A grade of 'C' or better is required in all coursework.

Code	Title	Hours
Category I: Foundational Knowledge		
Select 3 hours from the following courses: *		3
CNS 110	Human Relations	
CNS 432	Helping Skills	
EDU 175	University Experience	
EDU 250	Discover Teaching: Introduction to Teacher Education	
IDST 199	University Learning	
LEAD 200	Introduction to Leadership Studies	
LEAD 300	Leadership Theory and Application	
MGE 275	Foundations of Middle Grades Instruction	
MIL 101	Introduction to the Army and Mountaineering	
MIL 102	Foundations of Army Leadership	
MIL 201	Army Leadership and Ethics	
MIL 202	Team Building and Army Doctrine	
PSY 100	Introduction to Psychology	
PSY 175	University Experience	
SMED 101	Step 1: Introduction to Inquiry-Based Approaches to Teaching	
SMED 102	Step 2: Introduction to Inquiry-Based Lesson Design	
Category II: Research and Writing		
Select 3 hours from the following courses: *		3
EDU 400	Investigations in Education	
ENG 300	Writing in the Disciplines	
IDST 395	Investigative Methods in Interdisciplinary Studies	
PSY 210 & PSY 211	Research Methods in Psychology and Research Methods in Psychology Laboratory ¹	

PSY 290	Supervised Study in Psychology
PSY 313	Statistics in Psychology ¹
PSY 490	Research, Readings or Special Projects in Psychology ¹
SMED 360	Research Methods for Math and Science Teachers ¹
WFA 347	Workforce Linkage and Applications

Category III: Global Learning, Diversity, and Service

Select 3 hours from the following courses: * 3

EDU 276	Displaced Persons & Civic Engagement
EDU 385	Climate, Resources, & Society
EDFN 310	Global Issues in Education Policy and Practice
LEAD 450	Leadership in Global Contexts ¹
IDST 350	Interdisciplinary Studies Study Abroad
LME 448	Technology Applications in Education
PSY 355	Issues in Cross-Cultural Psychology
SPED 330	Introduction to Exceptional Education: Diversity in Learning
SPS 400	Foundations of Global Citizenship

Category IV: Emerging Professional

Select 3 hours from the following courses: * 3

BE 486	Business and Marketing Education Seminar
ELED 465	Data-Driven Decision-Making in Elementary Education ²
ELED 490	Student Teaching ²
IECE 490	Student Teaching (Infants and Toddlers) - (Preschoolers) ¹
IDST 369	Career Related Field Experience (3 credit hours)
IDST 495	Interdisciplinary Studies Capstone ¹
LEAD 400	Practicum in Leadership
LEAD 465	Leadership Coaching
MGE 490	Student Teaching
PSY 390	Field Experience in Psychology
PSY 490	Research, Readings or Special Projects in Psychology (3 credit hours) ¹
PSY 499	Senior Seminar in Psychology ¹
SEC 350	Clinical Practices in Secondary Teaching I ¹
SEC 450	Clinical Practices in Secondary Teaching II ¹
SEC 490	Student Teaching (3 credit hours)
SMED 470	Project-Based Instruction
SPS 399	Independent Study in Professional Studies

Category V: Culminating Course (Repeatable three times)

Students must complete this 0-3 credit hour course prior to graduation: 0-3

SPS 495	Workplace Readiness and Professionalism
Total Hours	12-15

* Students may petition the certificate director to use current and future WKU courses to satisfy any Category. A grade of 'C' or better is required in all courses.

¹ Each of these courses lists prerequisites that are already required in our undergraduate programs.

² Each of these courses lists prerequisites that could require additional coursework by the student. It is important to note that the prerequisite statement also includes "or permission of instructor."

Interdisciplinary Studies, Associate of Interdisciplinary Studies (246)

Program Coordinator

Anne L. Heintzman, anne.heintzman@wku.edu, (270) 745-2966

The Associate of Interdisciplinary Studies degree is designed for those who need or desire a flexible degree program. Within the limits specified for the degree, students, with their advisors, may design programs to suit their personal needs and educational objectives.

This program requires 60 credit hours of coursework. Students who have previously earned 60 hours of credit with a 2.0 cumulative grade point average or above in all higher education coursework, including all coursework completed at Western Kentucky University, and have met all other requirements for the degree, may apply as candidates for the AIS degree. If upon evaluation of their transcripts, such students meet all the requirements for the degree, the degree will be awarded at the next graduation ceremony.

Opportunities

The Associate of Interdisciplinary Studies degree has become more attractive with the growth of business and industry in the area and with the increase of minimum educational requirements for employment or promotion. In addition to those wishing to enhance their employability, several other groups of students will find the program suits their needs. These include those who are seeking a degree for their personal satisfaction; those who plan eventually to move on to the main campus, but wish to have a degree at the two-year level; and those who wish to consolidate previously-earned credits into a degree program.

Areas of Emphasis

- Arts
- Organization & Communication of Ideas
- Business
- Science
- Education
- Social and Behavioral Science
- Health
- Humanities
- Technology

Program Requirements (60 hours)

Minimum requirements for the AIS degree are 60 semester hours distributed among the WKU Colonnade courses and two "areas of emphasis."

Code	Title	Hours
Colonnade Course Requirements		
Written Communication:		
ENG 100	Introduction to College Writing	3
Oral Communication:		
COMM 145	Fundamentals of Public Speaking and Communication (or other approved course)	3
Quantitative Reasoning:		
Select one of the following:		3
MATH 109	General Mathematics	
MATH 116	College Algebra (or other approved course)	
Natural and Physical Sciences course		
Arts and Humanities:		
ENG 200	Introduction to Literature (or other approved course)	3
Select an Explorations AH course		3
Social and Behavioral Sciences:		
HIST 101	World History I	3
	or HIST 102 World History II	
Select an Explorations SB course		3
Areas of Emphasis		
Select 27 hours in the areas of emphasis with a minimum of 9 hours in each of the following areas: ¹		27
Arts		
Humanities		
Science		
Business		
Education		
Technology		
Health		
Social and Behavioral Science		
Organization and Communication of Ideas		
Social Justice and Equity Studies		
Electives		
Select 12 hours of electives		12
Total Hours		60

¹ One quarter of the areas of emphasis hours must be earned at WKU.

A student must obtain a 2.0 grade point average in both areas of emphasis. An overall 2.0 grade point average is required to be awarded the AIS degree.

Students seeking the AIS degree must complete a minimum of 25% of their degree program in residence at Western Kentucky University. Courses taken at WKU off-campus locations through regional campus offerings or through reachu@wku.edu are considered as having been taken in residence.

The Associate of Interdisciplinary Studies degree cannot be filed as a second degree program; as a result, students applying for concurrent or subsequent associate degrees must file the Associate of Interdisciplinary Studies as their primary degree program. Electives are in addition to the Colonnade courses and the areas of emphasis. They may come from Colonnade categories, or from courses that do not fall into any of the above Colonnade areas or the areas of emphasis.

Interdisciplinary Studies, Bachelor of Interdisciplinary Studies (558)

Program Coordinator

Cortney S. Basham, cortney.basham@wku.edu, (270) 745-6343

The Bachelor of Interdisciplinary Studies (BIS) degree provides an academic option offering more flexibility than most traditional major programs. The BIS empowers students to select complementary courses from different disciplines or academic programs to create a course of study suited to individual interests and needs. This flexibility allows BIS students to complete their degree 100% online (if desired).

Areas of Emphasis

- Emphasis in Arts (GSAR)
- Emphasis in Business (GSBU)
- Emphasis in Education (GSED)
- Emphasis in Health (GSHE)
- Emphasis in Humanities (GSHU)
- Emphasis in Military Studies (GSMS)
- Emphasis in Organization and Communication of Ideas Science (GSCO)
- Emphasis in Social and Behavioral (GSSB)
- Emphasis in Science (GSSC)
- Emphasis in Social Justice and Equity Studies (GSSJ)
- Emphasis in Sustainability (GSSU)
- Emphasis in Technology (GSTe)

Program Requirements (36 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The student must complete an emphasis of at least 36 semester hours. These hours include a capstone course (student may choose from IDST 495 or IDST 499). Students pursuing a minor as a secondary area of study must meet the published requirements for that minor. Courses in the minor may not duplicate those used to satisfy the BIS emphasis.

The 12 broad areas of emphasis for the Interdisciplinary Studies degree program include:

- Arts
- Business
- Education

- Health
- Humanities
- Military Studies
- Organization and Communication of Ideas Science
- Social and Behavioral
- Science
- Social Justice and Equity Studies
- Sustainability
- Technology

Students also have the option of requesting a broad area of emphasis not listed above. The written request, based on specific individual objectives, must be made by the student and approved by a BIS advisor, the Director, and the Dean of University College.

Minimum Academic Requirements for the Bachelor of Interdisciplinary Studies

- 36 hours in the Area of Emphasis
- 42 hours of upper-level credits, including 12 upper-level hours in the Area of Emphasis
- No more than 24 semester hours in a single academic discipline, no more than 24 semester hours from the School of Journalism & Broadcasting, no more than 30 semester hours in courses administered by the Gordon Ford College of Business, no more than 12 upper-level semester hours from the Gordon Ford College of Business.

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 COMM 145	3
MATH 116 or MATH 109		3 ENG 200	3
IDST 175		3 HIST 101 or HIST 102	3
Foreign Language (if Level II is not appropriate in the first semester)		3 Foreign Language II (meets world language requirement)	3
Colonnade: Natural & Physical Sciences		3 Colonnade: Arts & Humanities	3
	15		15

Second Year			
Fall	Hours	Spring	Hours
ENG 300		3 Colonnade: Natural & Physical Science w/ Lab	3-4
Colonnade: Social & Behavioral Science		3 Area of Emphasis 2	3
Area of Emphasis 1		3 Area of Emphasis 3	3
General or Certificate Elective		3 General or Certificate Elective	3
General or Certificate Elective		3 General or Certificate Elective	3
	15		15-16

Third Year			
Fall	Hours	Spring	Hours
IDST 395		3 Colonnade: Connections (Local to Global)	3
Colonnade: Connections (Social & Cultural)		3 Area of Emphasis 6	3
Area of Emphasis 4		3 Area of Emphasis 7	3

Area of Emphasis 5	3	Area of Emphasis 8	3
General or Certificate Elective		3 General or Certificate Elective	3
	15		15
Fourth Year			
Fall	Hours	Spring	Hours
Colonnade: Connections (Systems)		3 IDST 495 or IDST 499	1-3
Area of Emphasis 9		3 Area of Emphasis 11	3
Area of Emphasis 10		3 Area of Emphasis 12	3
General or Certificate Elective		3 General or Certificate Elective	3
General or Certificate Elective		3 General or Certificate Elective	3
	15		13-15

Total Hours 118-121

Organizational Leadership, Bachelor of Science (545)

Program Coordinator

Tanja N. Bibbs, bibbstn@wku.edu

The Bachelor of Science in Organizational Leadership provides an academic foundation for the professional and career-focused study of leadership principles and skills. It is specifically designed to advance the professional objectives of students who desire to complete a baccalaureate degree for career advancement and expanded job opportunities. The combination of leadership, management, and global and social-cultural perspectives provides graduates with the knowledge and skills necessary to provide effective leadership at various levels and in a variety of occupational settings.

This degree program requires a minimum of 48 semester hours: 24 hours in the leadership core plus 24 hours in identified electives. Students must meet all University requirements for admission, continuance in the program, and graduation. Students admitted to the Bachelor of Science in Organizational Leadership must have previously earned an associate's degree from a regionally-accredited program or have attained junior status.

Program Requirements (48 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
Required Courses		
LEAD 200 or LEAD 300	Introduction to Leadership Studies Leadership Theory and Application	3
LEAD 325	Leading Change	3
LEAD 330	Leadership Ethics and Decision-Making	3
LEAD 395	Contemporary Leadership Issues	3
LEAD 400	Practicum in Leadership	3

LEAD 440	Leading Teams	3
LEAD 450	Leadership in Global Contexts	3
LEAD 465	Leadership Coaching	3
Electives		
Select 24 hours from the following:		24
ACCT 220 or ACC 201C	Principles of Financial Accounting Introductory Accounting-Managerial	
SEAS 390	Project Management	
SEAS 430	Technology Management / Supervision / Team Building	
BA 110	Introduction to Business and Entrepreneurship	
BCOM 201	Process and Effects of Mass Communication	
BE 350	Business Communication	
BUS 210C	Organization and Management	
BUS 212C	Principles of Marketing	
BUS 257C	Management of Human Resources	
COMM 240	Effective Listening	
COMM 330	Leadership Communication	
COMM 463	Advanced Intercultural Communication	
ECON 206	Statistics	
ENG 306	Business Writing	
ENT 308	Innovation Management	
ENT 312	Entrepreneurship	
ENT 425	International Entrepreneurship	
ENT 463	Small Business Management	
FIN 330	Principles of Finance	
HCA 340	Health Care Organization and Management	
HCA 342	Human Resources Management for Healthcare Managers	
HCA 344	Health Systems Management	
HCA 346	Ambulatory Care Administration	
HCA 442	Principles and Methods of Health Planning	
IDST 395	Investigative Methods in Interdisciplinary Studies	
MGT 200	Legal Environment of Business	
MGT 210	Organization and Management	
MGT 261	Business Communication Fundamentals	
MGT 301	Business Law	
MGT 303	International Business	
MGT 305	Ethics and Critical Thinking	
MGT 311	Human Resource Management	
MGT 313	Decision Modeling	
MGT 314	Operations Management	
MGT 316	International Management	
MGT 326	Managing Projects in Organizations	
MGT 333	Management of Nonprofit Organizations	

MGT 383	Human Resource Information Systems
MGT 400	Employment Law
MGT 411	Effective Staffing Practices
MGT 413	International Human Resource Management
MGT 417	Organizational Behavior
MGT 419	Management of Organizational Conflict
MKT 220	Basic Marketing Concepts
MKT 321	Consumer Behavior
MKT 322	Integrated Marketing Communications
MKT 323	Services Marketing
MKT 324	International Marketing
MKT 325	Personal Selling
MKT 331	Social Media Marketing
MKT 420	Senior Seminar-Marketing
MKT 421	Marketing Research
MKT 422	Marketing Management
MKT 423	Supply Chain Management
MKT 424	Sales Force Management
MKT 425	Advanced Personal Selling Strategies
MKT 491	Marketing Study Abroad
PLS 200	Legal Ethics
PS 311	Public Policy
PS 338	Government and Ethics
PS 355	International Organization and Law
PS 493	Issues in Human Resource Management
PSY 350	Social Psychology
PSY 355	Issues in Cross-Cultural Psychology
PSY 371	The Psychology of Sales Behavior
PSYS 350	Social Psychology
PSYS 370	Industrial / Organizational Psychology
REC 302	Recreation Leadership
REC 460	Grant Writing for Nonprofit Organizations
SOCL 360	The Community in Rural and Urban Settings
SOCL 375	Diversity in American Society
SPS 300	Systems Thinking and Problem- Solving in Complex Organizations

Total Hours**48**

The following restrictions apply to this major: no more than 24 semester hours from the School of Journalism and Broadcasting; no more than 30 hours in courses administered by the Gordon Ford College of Business; no more than 12 upper-level semester hours from the Gordon Ford College of Business.

Students who transfer to WKU with an applied associate degree (e.g., Associate of Applied Science) receive a 12-hour waiver from the overall upper-level course requirement.

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 LEAD 330	3
MATH 109 (or higher)		3 Major Elective	3
LEAD 200 or LEAD 300		3 COMM 145	3
Colonnade: Arts & Humanities		3 HIST 101 or HIST 102	3
General University Elective		3 Colonnade: Literary Studies	3
	15		15
Second Year			
Fall	Hours	Spring	Hours
LEAD 325		3 LEAD 395	3
Major Elective		3 Major Elective	3
Colonnade: Social and Behavioral Sciences		3 Major Elective	3
Colonnade: Natural & Physical Sciences		3 Colonnade: Natural & Physical Sciences with lab	3
General University Elective		3 General University Elective	3
	15		15
Third Year			
Fall	Hours	Spring	Hours
LEAD 440		3 LEAD 450 (fulfills major and Connections: Local to Global)	3
Major Elective		3 Major Elective	3
Colonnade: Writing in the Disciplines		3 Colonnade: Social and Cultural	3
General University Elective		3 General University Elective	3
General University Elective		3 General University Elective	3
	15		15
Fourth Year			
Fall	Hours	Spring	Hours
LEAD 465		3 LEAD 400	1-6
Major Elective		3 Major Elective	3
Colonnade: Systems		3 General University Elective	3
General University Elective		3 General University Elective	3
General University Elective		3 General University Elective	3
	15		15
Total Hours 120			

Organizational Leadership, Certificate (1721)

Program Coordinator

Tanja N. Bibbs, bibbstn@wku.edu

Program Requirements (12 hours)

This program is designed for students who want to enhance their leadership knowledge and skills for current or future activities in a broad

range of organizations. Various disciplines have addressed leadership and developed a substantial body of related literature. The introductory course (LEAD 200) will give students a systematic introduction to these various perspectives and theories of leadership.

Code	Title	Hours
Required Courses		
LEAD 200 or LEAD 300	Introduction to Leadership Studies Leadership Theory and Application	3
Electives		
Select nine hours of electives from the following:		9
LEAD 325	Leading Change	
LEAD 330	Leadership Ethics and Decision-Making	
LEAD 395	Contemporary Leadership Issues	
LEAD 400	Practicum in Leadership	
LEAD 440	Leading Teams	
LEAD 450	Leadership in Global Contexts	
Total Hours		12

Chosen electives build from LEAD 200 / LEAD 300 and provide students an emphasis in various aspects of leadership. Students will be challenged to synthesize their understandings of leadership, articulate those understandings, and apply them in a demonstrable way that enhances their education and relates to their career and life goals.

The Organizational Leadership Program will provide special lectures, workshops, seminars, and interactions with visiting guest leaders who are renowned in their fields. In addition, the Organizational Leadership Program will work with certificate-seekers to identify opportunities for leadership participation and practice in their own professional or occupational fields.

Organizational Leadership, Minor (431)

Program Coordinator

Tanja N. Bibbs, bibbstn@wku.edu

Program Requirements (18 hours)

The minor in Organizational Leadership requires 18 semester hours and is applicable to any undergraduate student desiring a minor. Students must earn a grade of "C" or above in the following courses required for this minor.

Code	Title	Hours
LEAD 200 or LEAD 300	Introduction to Leadership Studies Leadership Theory and Application	3
LEAD 325	Leading Change	3
LEAD 330	Leadership Ethics and Decision-Making	3
LEAD 395	Contemporary Leadership Issues	3
Choose 6 hours of courses from the following course options:		6
LEAD 400	Practicum in Leadership	
LEAD 440	Leading Teams	
LEAD 450	Leadership in Global Contexts	

LEAD 465

Leadership Coaching

Total Hours**18**

Students earning a minor in Organizational Leadership are ineligible for the certificate in Organizational Leadership.

Real Estate, Certificate (195)

Program Coordinator

Said Ghezal, said.ghezal@wku.edu, (270) 745-4285

Students may complete the courses listed below to earn a Certificate in Real Estate from WKU. These courses provide the student with knowledge of real estate brokerage operations, real estate investments analysis, and property management. Experience in real estate when combined with the Certificate prepares the student to qualify for licensing as a Real Estate Broker.

Program Requirements (12 hours)

The one-year program in Real Estate requires a minimum of 12 credit hours and leads to a certificate.

Code	Title	Hours
RE 170C	Essentials of Real Estate	3
RE 171C	Real Estate Brokerage Operation	3
RE 172C	Real Estate Marketing	3
RE 273C	Real Estate Law	3
Total Hours		12

Workforce Administration, Bachelor of Science (739)

Program Coordinator

Said Ghezal, said.ghezal@wku.edu, (270) 745-4285

Workforce Administration major (WFA) is an interdisciplinary major offered through the College of Education and Behavioral Sciences. The Workforce Administration major applies a professional perspective to the management of people, information, processes, and systems within the organization. The WFA major offers an interdisciplinary approach to the design, application, use, and management of information and organizational systems. Courses in the WFA program emphasize the human, technological, and organizational perspective. Students also take elective courses from various allied disciplines to complement their professional education. In a knowledge-oriented economy, organizations succeed on the basis of their innovation and management of information. The WFA major is designed to help students prepare for a rewarding career in this dynamic field.

Program Requirements (48 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

No minor or second major is required. All WFA courses must be completed with a grade of "C" or better. Enrollment in the WFA program is limited and based on student qualifications.

All students complete the ten-course (30-hour) core curriculum consisting of WFA 300, WFA 346, WFA 347, WFA 348, WFA 443, WFA 444, WFA 446, WFA 447, SPS 300, and SPS 400. Students must also complete 18 hours of relevant electives to be selected in consultation with the advisor.

Transfer students who have completed relevant coursework should petition the department with information about courses taken and what substitutions are being sought. Petitions will be reviewed by a faculty committee and recommendations approved by the director and dean of the college in a manner consistent with WKU guidelines.

Students who transfer to WKU with an applied associate degree (e.g., Associate of Applied Science) receive a 12-hour waiver from the overall upper-level course requirement.

Core Courses

Code	Title	Hours
WFA 300	Workforce Administration and Practice	3
WFA 346	Workforce Resource Development	3
WFA 347	Workforce Linkage and Applications	3
WFA 348	Workforce Structure	3
WFA 443	Workforce Planning and Assessment	3
WFA 444	Workforce Operations and Control	3
WFA 446	Workforce Reporting and Development	3
WFA 447	Workforce Processes and Technologies	3
SPS 300	Systems Thinking and Problem-Solving in Complex Organizations	3
SPS 400	Foundations of Global Citizenship	3
Total Hours		30

Program Electives

Code	Title	Hours
Select 18 hours of relevant electives completed in consultation with advisor		18
Total Hours		18

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
Complete appropriate first-year courses to apply toward Associate of Applied Science (AAS).		15 Complete appropriate first-year courses to apply toward Associate of Applied Science (AAS).	15
		15	15

Second Year			
Fall	Hours	Spring	Hours
Complete appropriate first-year courses to apply toward Associate of Applied Science (AAS).		15 Complete appropriate first-year courses to apply toward Associate of Applied Science (AAS).	15
		15	15
Third Year			
Fall	Hours	Spring	Hours
WFA 300		3 WFA 443	3
WFA 346		3 WFA 444	3
WFA 347		3 WFA 446	3
WFA 348		3 WFA 447	3
General Elective		3 General Elective	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
Concentration (Upper Level)		3 Concentration (Upper Level)	3
Concentration (Upper Level)		3 Concentration	3
Concentration		3 WFA Elective	3
SM Elective		3 WFA Elective	3
General Elective		3 Elective (Upper Level)	3
		15	15
Total Hours 120			

School of Teacher Education

Dr. Susan Keesey, Director

Gary A. Ransdell Hall, Office 1005

Phone: 270-745-5414; Fax: 270-745-6322

Website: <http://www.wku.edu/ste> (<http://www.wku.edu/ste/>)

Facebook: <https://www.facebook.com/wkuste> (<https://www.facebook.com/wkuste/>)

Twitter: #wkuste

The School of Teacher Education provides graduate and undergraduate programs in elementary education, interdisciplinary early childhood education, middle grades education, secondary education, science and mathematics education, and special education. Undergraduate majors offered are: elementary education; interdisciplinary early childhood education; middle level education in social studies and language arts; science and mathematics education; and special education / elementary education. The School of Teacher Education also offers various Master of Arts in Education, Master of Arts in Teaching, Master of Science, and Education Specialists degrees. For additional information visit: <http://www.wku.edu/graduate> (<http://www.wku.edu/graduate/>).

Elementary Education/Special Education, Middle Level Education in Social Studies and Language Arts majors and undeclared students receive advising in the School of Teacher Education (1005 GRH, 745-5414). Majors in secondary education programs (Grades 8-12, 5-12, and P-12) are advised in the departments of their content areas as well as in the School of Teacher Education (1005 GRH, 745-5414). Majors in Science and Mathematics Education are advised in the SKyTeach Office (TCCW 105, 270 745-3900). Refer to the table in the Teacher Education section of this catalog and the School of Teacher Education website for further information (<http://www.wku.edu/ste> (<http://www.wku.edu/ste/>)).

Comprehensive Certificates, Grades Primary through 12

Art: offered in the Department of Art - Potter College of Arts and Letters

Arabic: offered in the Department of Modern Languages - Potter College of Arts and Letters

Chinese: offered in the Department of Modern Languages - Potter College of Arts and Letters

Health Minor: offered in the Department of Public Health - College of Health and Human Services

Music: offered in the Department of Music - Potter College of Arts and Letters

Physical Education: offered in the Department of Kinesiology, Recreation, and Sport - College of Health and Human Services

Spanish: offered in the Department of Modern Languages - Potter College of Arts and Letters

Programs Leading to Teacher Certification, Grades 5-12

Agriculture Education: offered in the Department of Agriculture and Food Science, Ogden College of Science and Engineering.

Family and Consumer Sciences Education: offered in the Department of Applied Human Sciences, College of Health and Human Services.

Degrees

- Elementary Education, Bachelor of Science (527) (p. 242)
- Interdisciplinary Early Childhood Education, Bachelor of Science (526) (p. 244)
- Middle Level Education in Social Studies and Language Arts, Bachelor of Science (5001) (p. 247)
- Science and Mathematics Education (SMED), Bachelor of Science (774) (p. 250)
- Special Education: Learning and Behavior Disorders and Elementary Education, Bachelor of Science (5003) (p. 251)

Certificate

- Interactive Training and Leadership, Certificate (1752) (p. 244)

Faculty

Professor

Martha M. Day EdD (Administration & Supervision), Tennessee State University, 1998

Jeanine M. Huss PhD (Environmental Science), Oklahoma State University Main Campus, 2007

Pamela M. Jukes EdD (Instruction and Administration), University of Kentucky, 1997

Corinne M. Murphy PhD (Physical Activity and Education Services), The Ohio State University Main Campus, 2006

Julia L. Roberts EdD, Oklahoma State University Main Campus, 1970

Rebecca R. Stobaugh PhD (Educational Administration), University of Louisville, 2003

Janet L. Tassell PhD (Curriculum & Instruction), Indiana University-Bloomington, 2002

Associate Professor

Nancy F. Hulan PhD (Curriculum and Instruction), University of Louisville, 2010

Susan Keesey PhD (Physical Activity and Education Services), The Ohio State University Main Campus, 2012

Erin E. Margarella PhD (Curriculum and Instruction), University of South Florida, 2016

Julia A. Mittelberg PhD (Curriculum and Instruction), Kansas State University, 2014
 Christina R. Noel PhD (Special Education), Vanderbilt University, 2013
 Andrea Paganelli PhD (Instructional Leadership), The University of Alabama, 2010
 Kandy C. Smith PhD (Education, Teacher Education), University of Tennessee, Knoxville, 2014
 Antonia M. Szymanski PhD (Psychological and Quantitative Foundations), University of Iowa, 2011

Assistant Professor

Ellen G. Casale PhD (Special Education), Vanderbilt University, 2021
 Sally K. Fluhler MAE (Gifted & Creative Education), University of Georgia, 2018

Jeremy R. Logsdon EdD (Educational Leadership, Postsecondary Leadership), Western Kentucky University, 2016
 Soyoung Park PhD (Special Education), University of Texas at Austin, 2020
 Leslee K. Tarbett EdD (Instr and Curr Leadership), University of Memphis, 2020

Jessica N. Torelli MED (Special Education), Vanderbilt University, 2015
 John C. Wright PhD (Special Education), Vanderbilt University, 2019

Clinical Associate Professor

Daniel J. Super EdD (Educational Leadership), Western Kentucky University, 2016

Instructor I

Lynn A. Hines EdD (Educational Leadership), Western Kentucky University, 2013

Anne D. Patterson MAE, Western Kentucky University, 1977
 Catherine G. Poteet MAE (Secondary Education, Physics), Western Kentucky University, 2002
 Melissa I. Rudloff MAE (Math-Science Education, Secondary Education), Western Kentucky University, 1994

Instructor II

Debra L. Noffsinger MAE (Exceptional Education), Western Kentucky University, 2011

Erin L. Russell MAT, University of the Cumberland, 2017
 Jennifer S. Sheffield EDS, Western Kentucky University, 2018
 Sally H. Tooley MAE, Western Kentucky University, 2009

Part-Time Faculty

Jessica M. Hussung MS, Western Kentucky University, 2022

Program of Study in English for Secondary Teachers (Grades 8-12) and Social Studies (Grades 8-12)

Preparation for secondary certification in the content areas of English and in Social Studies involves completing the Bachelor of Arts degree and all requirements for a Kentucky secondary certificate (grades 8-12), including a minimum of 34 semester hours of professional education coursework.

Code	Title	Hours
SEC 350	Clinical Practices in Secondary Teaching I	8
SEC 450	Clinical Practices in Secondary Teaching II	1
SEC 490	Student Teaching	5-10
EDU 250	Discover Teaching: Introduction to Teacher Education	3

EDU 489	Student Teaching Seminar	3
Select a methods course for each certification area		
PSY 310	Educational Psychology: Development and Learning	3
LTCY 421	Content Area Reading in the Middle and Secondary Grades	3
Complete all requirements for the English for Secondary Teachers major or the major in Social Studies		
Total Hours		26-31

Required courses for these majors are described in the respective catalog sections for the Department of English and the Department of History.

Students with sophomore standing are eligible to enroll in secondary education courses. They may enroll in EDU 250 and then PSY 310. Application for admission to teacher education is started during the semester in which EDU 250 is taken. Application materials must be completed prior to taking SEC 450 and methods classes. The next two courses, SEC 350 is a junior level course. The remaining courses—SEC 450, a methods course, LTCY 421, EDU 489, and student teaching—are taken during the senior year. Students are required to meet state requirements for field experience in addition to coursework.

Students are expected to work closely with their major advisor and their professional education advisor. Secondary certification candidates may receive academic advising in the Office of Professional Educator Services, GRH 1092, 270-745-6249. Refer to the School of Teacher Education website for additional information: <http://www.wku.edu/ste> (<http://www.wku.edu/ste/>).

Elementary Education, Bachelor of Science (527)

Program Coordinator

Janet L. Tassell, janet.tassell@wku.edu, (270) 745-5306

The elementary education program leads to a Bachelor of Science degree and the Kentucky Elementary Certificate (P-5). The program requires completion of a Colonnade component, related studies component, and professional education component. While students follow university guidelines in completing the Colonnade component, a speech course and biological science course with laboratory are specifically included within this 44 semester hour requirement.

Program Requirements (82 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
Elementary Education Component (37 Hours)		
EDU 250	Discover Teaching: Introduction to Teacher Education	3
EDU 260	Classroom Assessment	3

EDU 350	Student Diversity and Differentiation	3
EDU 360	Behavior and Classroom Management in Education	3
ELED 345	Foundations of Elementary Teaching	3
ELED 365	Teaching Methods for Elementary Teachers	3
ELED 405	Teaching Mathematics in the Elementary School	3
ELED 406	Teaching Science in the Elementary School	3
ELED 407	Materials and Methods in Social Studies	3
ELED 465	Data-Driven Decision-Making in Elementary Education	3
EDU 489	Student Teaching Seminar	2,3
ELED 490	Student Teaching	5-10
Supporting Content Courses (45 Hours)		
ENG 302	Language and Communication	3
SPED 335	Foundations of Special Education	3
LTCY 320	Foundations of Teaching Literacy in the Elementary Grades	3
LTCY 420	Literacy Methods in the Elementary Grades	3
MATH 205	Number Systems and Number Theory for Teachers	3
MATH 206	Fundamentals of Geometry for Teachers	3
MATH 308	Rational Numbers and Data Analysis for Teachers	3
PSY 310	Educational Psychology: Development and Learning	3
Choose two of the following:		6
ART 310	Art Education in the Elementary School	
MUS 314	Comprehensive Arts Education for the Elementary Teacher	
PE 354	Physical Education for Elementary Schools	
Choose one of the following:		3
AGRO 110 & AGRO 111	Introduction to Plant Science and Plant Science Laboratory	
CHEM 105 & CHEM 106	Fundamentals of General Chemistry and Fundamentals of General Chemistry Laboratory	
GEOG 280	Environmental Science and Sustainability	
GEOL 112 & GEOL 114	Earth's Past and Future and Earth's Past and Future Lab	
GEOL 111 & GEOL 113	The Earth and The Earth Laboratory	
Choose one of the following:		3
GEOG 352	Geography of Kentucky	
HIST 240	The United States to 1865	

HIST 241	The United States Since 1865
Total Hours	73-79

Within the professional education sequence, students are required to meet state requirements for field work experience in addition to coursework. This laboratory work will be in field experiences away from the main university campus.

Elementary Education candidates may receive academic advising in the School of Teacher Education, GRH 1005, 270-745-5414. Refer to the School of Teacher Education website (<http://www.wku.edu/ste> (<http://www.wku.edu/ste/>)) for additional information.

Finish in Four Plan

- Program Requirements (120 hours)
- Clinical Hour Requirements (232 hours)

First Year			
Fall	Hours	Spring	Hours
EDU 250		3 EDU 260	3
ENG 100		3 PSY 310	3
HIST 101 or HIST 102		3 ENG 200	3
COMM 145		3 MATH 205	3
MATH 112		3 BIOL 113 & BIOL 114	4
Clinical Field Hours Required (15 hours)			
		15	16
Second Year			
Fall	Hours	Spring	Hours
MUS 314, ART 310, or PE 354 (Choose one: Related Studies)		3 EDU 360	3
MUS 314, ART 310, or PE 354 (Choose one: Related Studies)		3 EDU 350	3
ENG 300		3 ENG 302	3
MATH 308		3 MATH 206	3
Colonnade: Natural & Physical Science - NO lab		3 Colonnade: Social & Behavioral Sciences	3
Colonnade: Arts & Humanities		3 Clinical Field Hours Required (30 hours)	
		18	15
Third Year			
Fall	Hours	Spring	Hours
LTCY 320*		3 ELED 365*	3
SPED 335		3 ELED 407*	3
ELED 345		3 LTCY 420*	3
Colonnade: Connections (Local to Global) – Recommend LME 448, EDU 385/ GEOG 385 or other Advisor Approved Course		3 Colonnade: Connections (Systems)	3
GEOG 352, HIST 240, or HIST 241		3 Colonnade: Natural & Physical Science w/Lab (Recommend GEOL 111/113, GEOL 112/114, ASTR 104	3-4
Clinical Field Hours Required (Approx. 40 hours)		Clinical Field Hours Required (Approx. 70 hours)	
		15	15-16

Fourth Year

Fall	Hours	Spring	Hours
ELED 405*		3 EDU 489	3
ELED 406*		3 ELED 490 (ELED Primary Classroom)	5
ELED 465*		3 ELED 490 (ELED Intermediate Classroom)	5
Colonnade: Connections (Social & Cultural)		3	
Clinical Field Hours Required (Approx. 77 hours)			
	12		13
Total Hours 119-120			

* Must be taken with other courses with a (*) listed in the same semester as these courses are blocked together and require clinical field experiences in local schools.

Interactive Training and Leadership, Certificate (1752)

The instructional design process involves analyzing learning and performance needs and designing, developing, implementing, evaluating, and managing instructional and non-instructional solutions to improve performance in various settings. This 15-hour program will prepare students to analyze learners, learning contexts and skills, and design learning activities. Students will learn to evaluate those learning activities and to revise training activities. Students will acquire skills to develop multimedia training modules.

The program prepares and equips practitioners and students in training development. This is a skill needed in any topic, discipline, or workplace setting. Every business, government agency, nonprofit organization, industry, or educational institution offers training for its employees. This program prepares students to develop those training modules or activities, deliver that training, and evaluate the training. Examples encompass print and electronic elements that may include instructional videos, online instructional activities, user manuals for instructors, instruction manuals for commercial products, teaching manual, professional development curricula, multi-media instructional units, training packs for trainers, instructional modules for vocational/technical courses, instructional modules for classroom instruction, and teaching and training aids in print or electronic formats. These skills make the student more employable after completion of this program.

Students who successfully complete the certificate program will possess the following competencies and learning outcomes:

- Identify the steps, subordinate skills, and entry behaviors and knowledge required to accomplish and instructional goal and correlated performance objectives.
- Produce and instructional system design process that is tailored to the education and training requirements of a specific organization or problem.
- Design a training module for a specific organization or problem to include context and learner analysis, write objectives and test items, prepare instructional strategies, and revise the training module based on subject-matter expert feedback.

- Apply principles and strategies of multimedia design, interface design, and visual design to evaluating existing and creating new multimedia products in an instructional design setting.
- Design, develop, and evaluate a multimedia module using appropriate software applications in training settings.

Admission Requirements: Minimum requirements for acceptance into the program are:

- High school diploma or equivalent
- Application and fee: Students seeking a certificate program must submit an online application with Undergraduate Admissions. The completed form must be submitted along with a one-time application fee of \$40 (non-refundable).
- Transcript Record: Graduates/Transfers of accredited institutions other than WKU must submit an official transcript from that institution.

Program Requirements (15 hours)

Code	Title	Hours
LEAD 300	Leadership Theory and Application	3
LEAD 400	Practicum in Leadership	1-6
ID 460	Design for Teaching and Learning	3
ID 465	Instructional Strategies and Technology Integration	3
ID 470	Training and Teaching Practicum	3
Total Hours		15

Interdisciplinary Early Childhood Education, Bachelor of Science (526)

Program Coordinator

Janet L. Tassell, janet.tassell@wku.edu, (270) 745-5306

The major in interdisciplinary early childhood education requires 69-76 hours and leads to a Bachelor of Science degree. The major is designed to prepare early childhood educators to work with children, both with and without disabilities, ages birth through kindergarten, and their families. A grade of "C" or higher must be earned for all courses required for this major. No minor or second major is required. Students select either the teacher certification concentration (75 hours, which leads to initial certification for Birth-5 years) or the non-certification concentration (68 hours).

Graduates of the certification concentration are eligible to apply for certification in Interdisciplinary Early Childhood Education (IECE), Birth to Primary. Graduates of this concentration are prepared for preschool and kindergarten positions in public schools, early intervention programs (i.e., First Steps), Head Start programs, and other public and private agencies serving young children and families. Graduates of the non-certification concentration are prepared for preschool and kindergarten positions in private schools, Head Start programs, and other public and private agencies serving young children and families; or as a First Steps Service Coordinator.

The IECE program will prepare and engage learners:

- in current research and recommended practices in early childhood/early childhood special education (EC / ECSE) that emphasizes performance-based standards;

- as lifelong learners who actively engage in the learning process through coursework, field experiences, and research;
- to support and engage young children and families in a variety of settings through collaborative efforts with an array of professionals;
- with knowledge, skills, and dispositions in working with young children with and without disabilities, delays, or risks across all settings;
- to partner with families through family-centered approaches;
- in culturally and linguistically responsive practices that address the diverse needs of children and families through individual and community engagement; and
- in leadership opportunities and activities within the EC / ECSE field.

Concentrations

- Non-Teacher Certification (IECE)
- Teacher Education (TCHR)

Program Requirements (69-76 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Both concentrations require the following courses:

Code	Title	Hours
Core Curriculum		
EDU 250	Discover Teaching: Introduction to Teacher Education	3
PSY 310	Educational Psychology: Development and Learning	3
EDU 260	Classroom Assessment	3
EDU 350	Student Diversity and Differentiation	3
EDU 360	Behavior and Classroom Management in Education	3
IECE Major		
FACS 191	Child Development	3
CD 481	Speech and Language Development	3
LTCY 310	Early Reading, Language and Literacy	3
SPED 331	Early Childhood Education for Children with Disabilities	3
IECE 321	Family Supports and Services	3
IECE 322	Planning Curriculum and Instruction for Diverse Learners	3
IECE 323	Positive Behavioral Supports with Young Children	3
FACS 335	Infant/Toddler Development and Curriculum	3
IECE 324	Advanced Assessment of Young Children	3

IECE 326	Integrating Mathematics and Science Across the Early Childhood Curriculum	3
IECE 421	Advanced Curriculum and Instruction for Infants and Toddlers	4
IECE 422	Advanced Curriculum Development for Young Children	5
IECE 423	Interdisciplinary Services for Young Children with Low Incidence Disabilities	3
Total Hours		57

Code	Title	Hours
Select one of the following:		
Teacher Certification Concentration		
IECE 490	Student Teaching (Infants and Toddlers) - (Preschoolers)	10
EDU 489	Student Teaching Seminar	2
OR		
Non-certification Concentration		
IECE 491	Practicum in Interdisciplinary Early Childhood Education	5
IECE 489	Practicum Seminar in Interdisciplinary Early Childhood Education	1

Code	Title	Hours
All students pursuing IECE major must complete either the TESOL minor or Advanced IECE Focus.		
TESOL (Teaching English as a Second Language) Minor		
ENG 302	Language and Communication	3
ENG 407	Linguistic Analysis	3
ENG 469	2nd Language Acquisition Theory	3
ENG 470	Methods and Materials for Teaching English as a Second Language	3
ENG 471	Teaching English as a Second Language Practicum	4
ENG 408	Psycholinguistics and Sociolinguistics	3

OR		
Advanced IECE Focus*		
FACS 393	Role of Play in Child Development	3
FACS 193	Curriculum Development for Young Children	3
ELED 345	Foundations of Elementary Teaching	3
IECE Teacher Certification Concentration choose ONE of the following*:		
ART 310	Art Education in the Elementary School	3
MUS 314	Comprehensive Arts Education for the Elementary Teacher	3
PE 354	Physical Education for Elementary Schools	3
*Or advisor approved elective		

IECE Non-Certification Concentration must take ALL of the following*:

ART 310	Art Education in the Elementary School	3
MUS 314	Comprehensive Arts Education for the Elementary Teacher	3
PE 354	Physical Education for Elementary Schools	3

*Or advisor approved elective

Therefore, students in the teacher certification concentration must take IECE 490 (Infant and Toddler) Student Teaching, IECE 490 (Preschool) Student Teaching, and EDU 489. Students must be admitted to professional education prior to enrollment in IECE 324, IECE 325, and IECE 326. Student teaching occurs during the final semester of the program. Students in the non-certification concentration must take IECE 491 and IECE 489.

Additional information about the IECE major, including any curriculum changes made since the printing of this catalog, can be found on the program web site in the School of Teacher Education, (<http://www.wku.edu/ste> (<http://www.wku.edu/ste/>)).

Finish in Four Plans***Teacher Certification with Advanced IECE Focus*****First Year**

Fall	Hours	Spring	Hours
ENG 100		3 COMM 145	3
MATH 109 or MATH 116		3 EDU 260	3
EDU 250		3 ENG 200	3
Colonnade: Arts & Humanities		3 Colonnade: Natural & Physical Science w/lab	3-4
FACS 191		3 FACS 193	3
	15		15-16

Second Year

Fall	Hours	Spring	Hours
EDU 350		3 Colonnade: Natural & Physical Sciences w/ o lab	3
EDU 360		3 LTCY 310	3
Colonnade: Social & Behavioral Sciences		3 PSY 310	3
FACS 393		3 SPED 331	3
IECE 423		3 ART 310, MUS 314, or PE 354	3
FACS 335		3	
	18		15

Third Year

Fall	Hours	Spring	Hours
HIST 101 or HIST 102		3 Colonnade: Connections (Systems)	3
IECE 321		3 IECE 324	3
IECE 322		3 IECE 326	3
ENG 300		3 IECE 323	3
CD 481 (or summer of second year)		3 ELED 345	3
	15		15

Fourth Year

Fall	Hours	Spring	Hours
IECE 421		4 IECE 490	10
IECE 422		5 EDU 489	2

Colonnade:	3
Connections (Local to Global) - Recommend LME 448	

Colonnade:	3
Connections (Social & Cultural)	
	15
	12

Total Hours 120-121***Non-Teacher Certification with Advanced IECE Focus*****First Year**

Fall	Hours	Spring	Hours
FACS 191		3 EDU 250	3
ENG 100		3 ENG 200	3
MATH 109 or MATH 116		3 FACS 193	3
Colonnade: Social & Behavioral Sciences		3 Colonnade: Natural & Physical Science w/lab	3-4
Colonnade: Arts & Humanities		3 COMM 145	3
	15		15-16

Second Year

Fall	Hours	Spring	Hours
EDU 350		3 EDU 260	3
ENG 300		3 SPED 331	3
FACS 393		3 PSY 310	3
EDU 360		3 LTCY 310	3
IECE 423		3 ART 310	3
FACS 335		3	
	18		15

Third Year

Fall	Hours	Spring	Hours
CD 481 (or summer of second year)		3 IECE 324	3
IECE 321		3 ELED 345	3
IECE 322		3 IECE 326	3
HIST 101 or HIST 102		3 IECE 323	3
Colonnade: Connections (Social & Cultural)		ENG 300	3
	12		15

Fourth Year

Fall	Hours	Spring	Hours
IECE 421		4 IECE 489	1
IECE 422		5 IECE 491	5
Colonnade: Connections (Local to Global)		3 MUS 314	3
Colonnade: Connections (Systems)		3 PE 354	3
	15		12

Total Hours 117-118

All students pursuing IECE major must complete either the Advanced IECE focus or a TESOL minor.

Teacher Certification with Minor in TESOL**First Year**

Fall	Hours	Spring	Hours
ENG 100		3 COMM 145	3
MATH 109 or MATH 116		3 EDU 260	3
EDU 250		3 ENG 200	3

Colonnade: Arts & Humanities	3	Colonnade: Natural & Physical Science w/lab	3-4
FACS 191	3	ENG 302 or ENG 104	3
15		15-16	

Second Year

Fall	Hours	Spring	Hours
EDU 350		3 Colonnade: Natural & Physical Sciences w/o lab	3
EDU 360		3 ENG 470	3
ENG 407		3 LTCY 310	3
ENG 469		3 PSY 310	3
Colonnade: Social & Behavioral Sciences		3 SPED 331	3
FACS 335	3		

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Third Year

Fall	Hours	Spring	Hours
HIST 101 or HIST 102		3 Colonnade: Connections (Systems)	3
IECE 321		3 IECE 324	3
IECE 322		3 IECE 326	3
ENG 300		3 IECE 323	3
CD 481 (or summer of second year)		3 ENG 408	3

15 15

Fourth Year

Fall	Hours	Spring	Hours
IECE 421		4 IECE 490	10
IECE 422		5 EDU 489	2
Colonnade: Connections (Local to Global) - Recommend LME 448		3 ENG 471	4
Colonnade: Connections (Social & Cultural)	3		

15 16

Total Hours 124-125

Non-Teacher Certification with Minor in TESOL**First Year**

Fall	Hours	Spring	Hours
ENG 100		3 COMM 145	3
MATH 109 or MATH 116		3 EDU 260	3
EDU 250		3 ENG 200	3
Colonnade: Arts & Humanities		3 Colonnade: Natural & Physical Science w/lab	3-4
FACS 191		3 ENG 302 or ENG 104	3

15 15-16

Second Year

Fall	Hours	Spring	Hours
EDU 350		3 Colonnade: Natural & Physical Sciences w/o lab	3
EDU 360		3 ENG 470	3
ENG 407		3 LTCY 310	3
ENG 469		3 PSY 310	3

Colonnade: Social & Behavioral Sciences	3	SPED 331	3
FACS 335	3		

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Third Year

Fall	Hours	Spring	Hours	Summer	Hours
HIST 101 or HIST 102		3 Colonnade: Connections (Systems)		3 IECE 423	3
IECE 321		3 IECE 324		3	
IECE 322		3 IECE 326		3	
ENG 300		3 IECE 323		3	
CD 481 (or summer of second year)		3 ENG 408		3	

15 15 3

Fourth Year

Fall	Hours	Spring	Hours
IECE 421		4 IECE 490	10
IECE 422		5 EDU 489	2
Colonnade: Connections (Local to Global) - Recommend LME 448		3 ENG 471	4
Colonnade: Connections (Social & Cultural)	3		

15 16

Total Hours 127-128

Middle Level Education in Social Studies and Language Arts, Bachelor of Science (5001)

Program Coordinator

Janet L. Tassell, janet.tassell@wku.edu, (270) 745-5306

The Middle Level Education in Social Studies and Language Arts program leads to the Bachelor of Science degree and certification for grades 5-9 in Social Studies, Language Arts / Communication, or both.

The program requires completion of:

- A biological science course and a physical science course, generally taken as part of the Colonnade program;
- 44-47 semester hours of professional education courses: EDU 250, EDU 260, PSY 310, EDU 350, PSY 422, EDU 360, MGE 395, MGE 396, plus a 3-hour MGE methods course for each area of certification, MGE 490, and EDU 489, plus a 3-hour computer literacy course selected from CIS 141 and LME 448; and
- The indicated content-area coursework for dual area or single area teacher certification in one of the three concentrations.

Concentrations

- Social Studies and Language Arts/Communication - dual certification (MESD)

- Social Studies - single certification (MESS)
- Language Arts/Communication - single certification (MELA)

Program Requirements (77-101 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Core Courses

Code	Title	Hours
Select a Biological Science course ¹		3-4
Select a Physical Science course ¹		3-4
EDU 250	Discover Teaching: Introduction to Teacher Education	3
EDU 260	Classroom Assessment	3
PSY 310	Educational Psychology: Development and Learning	3
EDU 350	Student Diversity and Differentiation	3
PSY 422	Adolescent Psychology	3
EDU 360	Behavior and Classroom Management in Education	3
MGE 395	Clinical Practices in Middle School Teaching I	6
MGE 396	Clinical Practices in Middle School Teaching II	1
Select a 3-hour MGE methods course for each area of certification		3
MGE 490	Student Teaching	10
EDU 489	Student Teaching Seminar	3
CIS 141	Analytics and Technology	3
or LME 448	Technology Applications in Education	
Total Hours		50-52

¹ Generally taken as part of the Colonnade program

Concentration 1: Dual Area Certification in Middle Level Social Studies and Language Arts/Communication

Code	Title	Hours
Methods Courses		
MGE 475	Teaching Language Arts	3
MGE 481	Teaching Social Studies	3
Social Studies (dual area certification)		27-30
HIST 101	World History I	
or HIST 102	World History II	
HIST 240	The United States to 1865	
HIST 241	The United States Since 1865	
GEOG 110	World Regional Geography	
GEOG 360	Geography of North America	
PS 110	American National Government	

SOCL 100	Introductory Sociology	
or ANTH 120	Introduction to Cultural Anthropology	
Select one of the following:		3-6
ECON 150	Introduction to Economics	
ECON 202 & ECON 203	Principles of Economics (Micro) and Principles of Economics (Macro)	
Select a 3-hour elective from an upper-division, non U.S., non-European history course		3
HIST 360	History of Africa	
HIST 364	Colonial Latin America, 1400-1825	
HIST 365	Modern Latin America, 1800-Present	
HIST 370	Modern South Asia: from Empires to Nations	
HIST 460	Traditional East Asia	
HIST 461	Modern East Asia	
HIST 462	History of the Middle East	
HIST 464	Latin America and the United States	
HIST 465	The Mexican Republic	
HIST 471	Modern China	
HIST 472	Modern Japan	
HIST 479	Topics in World History	
Language Arts/Communication (dual area certification)		24
ENG 100	Introduction to College Writing	
ENG 300	Writing in the Disciplines	
ENG 302	Language and Communication	
ENG 391	Survey of American Literature I	
or ENG 392	Survey of American Literature II	
COMM 145	Fundamentals of Public Speaking and Communication	
LME 407	Literature for Young Adults	
Select two of the following:		6
ENG 301	Argument and Analysis in Written Discourse	
ENG 401	Advanced Composition	
ENG 410	Composition Theory and Practice in Writing Instruction	
Total Hours		69-75

Concentration 2: Single Area Teacher Certification in Middle Level Social Studies

Code	Title	Hours
Professional Education Coursework		
MGE 481	Teaching Social Studies	3
Social Studies (single area teacher certification)		36-39
HIST 101	World History I	
or HIST 102	World History II	
HIST 240	The United States to 1865	
HIST 241	The United States Since 1865	
GEOG 110	World Regional Geography	
GEOG 360	Geography of North America	
PS 110	American National Government	

SOCL 100 or ANTH 120	Introductory Sociology Introduction to Cultural Anthropology	
Select one of the following:		3-6
ECON 150	Introduction to Economics	
ECON 202 & ECON 203	Principles of Economics (Micro) and Principles of Economics (Macro)	
Select 12 hours of electives of the following: ¹		12
HIST 305	Ancient Greece	
HIST 306	Ancient Rome	
HIST 307	The Middle Ages	
HIST 317	Renaissance Europe	
HIST 353	Native American History to 1865	
HIST 358	Blacks in American History to 1877	
HIST 456	Kentucky History	
HIST 453	American Women's History	
GEOG 330	Introduction to Cultural Geography	
GEOG 350	Economic Geography	
GEOG 352	Geography of Kentucky	
GEOG 480	Sustainable Cities	
Total Hours		54-60

¹ At least one of these courses must be a non U.S., non-European history course.

Concentration 3: Single Area Teacher Certification in Middle Level Language Arts/Communication

Code	Title	Hours
Professional Education Coursework		
MGE 475	Teaching Language Arts	3
Language Arts/Communication (single area teacher certification)		
ENG 100	Introduction to College Writing	3
ENG 204	English Language	3
ENG 300	Writing in the Disciplines	3
ENG 301	Argument and Analysis in Written Discourse	3
ENG 302	Language and Communication	3
ENG 391 or ENG 392	Survey of American Literature I Survey of American Literature II	3
ENG 401	Advanced Composition	3
ENG 410	Composition Theory and Practice in Writing Instruction	3
Select any ENG upper-division course		3
COMM 145	Fundamentals of Public Speaking and Communication	3
LME 407	Literature for Young Adults	3
Total Hours		36

In order to meet the prerequisites for admission to student teaching, students must complete all professional education and content courses with grades of "C" or higher; attain at least a 2.75 GPA overall, in professional education courses, and in each content area; and achieve specified ratings on dispositional and critical performance assessments. For details on the prerequisites for student teaching,

see http://www.wku.edu/teacherservices/student_teaching/index.php (http://www.wku.edu/teacherservices/student_teaching/).

Students in the Middle Level Education in Social Studies and Language Arts program receive advising in the School of Teacher Education, GRH 1005, (270) 745-5414. Refer to the School of Teacher Education website (<http://www.wku.edu/ste> (<http://www.wku.edu/ste/>)) for additional information. Students with a major in Middle Level Education in Social Studies and Language Arts receive a 12-hour waiver in the upper-division hour requirement in the major field.

Finish in Four Plans

Middle Level Education Social Studies and Language Arts/Communication dual certification

First Year			
Fall	Hours	Spring	Hours
EDU 250		3 HIST 101 or HIST 102	3
MATH 109 or MATH 116		3 Colonnade: Natural & Physical Sciences w/ lab	4
ENG 100		3 PS 110	3
COMM 145		3 CIS 141	3
GEOG 110		3 ECON 150, ECON 202, or ECON 203	3
		15	16

Second Year			
Fall	Hours	Spring	Hours
ENG 200		3 HIST 241	3
Colonnade: Social & Behavioral Sciences		3 GEOG 360	3
Colonnade: Natural & Physical Science		3 EDU 260	3
HIST 240		3 PSY 310	3
Colonnade: Arts & Humanities		3 SOCL 100 or ANTH 120	3
		ENG 300	3
		15	18

Third Year			
Fall	Hours	Spring	Hours
EDU 350		3 MGE 395	6
ENG 301, ENG 401, or ENG 410		3 ENG 391 or ENG 392	3
ENG 302		3 PSY 422	3
EDU 360		3 Colonnade: Connections (Local to Global)	3
Colonnade: Connections (Social & Cultural)		3	
		15	15

Fourth Year			
Fall	Hours	Spring	Hours
MGE 396		1 EDU 489	3
MGE 481		3 MGE 490	10
MGE 475		3	
ENG 301, ENG 401, or ENG 410		3	
Colonnade: Connections (Systems)		3	
LME 407		3	
		16	13

Total Hours 123

Middle Level Education Language Arts/Communication single area certification

First Year			
Fall	Hours	Spring	Hours
EDU 250		3 Colonnade: Natural & Physical Sciences w/ lab	4
MATH 109 or MATH 116		3 CIS 141	3
ENG 100		3 ENG 200	3
COMM 145		3 World Language, if needed OR General Elective	3
Elective Course		3 Elective Course	3
		15	16
Second Year			
Fall	Hours	Spring	Hours
ENG 300		3 ENG 302	3
Colonnade: Social & Behavioral Sciences		3 ENG 204	3
HIST 101 or HIST 102		3 ENG 301	3
Colonnade: Natural & Physical Science		3 PSY 310	3
Colonnade: Arts & Humanities		3 EDU 260	3
		15	15
Third Year			
Fall	Hours	Spring	Hours
EDU 350		3 MGE 395	6
ENG 391 or ENG 392		3 ENG 410	3
EDU 360		3 Colonnade: Connections (Local to Global)	3
Colonnade: Connections (Social & Cultural)		3 ENG 401	3
ENG Elective (any upper level ENG course)		3	
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
MGE 396		1 EDU 489	3
PSY 422		3 MGE 490	10
MGE 475		3	
LME 407		3	
Colonnade: Connections (Systems)		3	
Elective Course		3	
		16	13
Total Hours 120			

Middle Level Education Social Studies single area certification

First Year			
Fall	Hours	Spring	Hours
EDU 250		3 HIST 101 or HIST 102	3
MATH 109 or MATH 116		3 Colonnade: Natural & Physical Sciences w/ lab	4
ENG 100		3 PS 110	3
COMM 145		3 CIS 141	3

GEOG 110		3 ECON 150, ECON 202, or ECON 203		3
		15		16
Second Year				
Fall	Hours	Spring	Hours	
ENG 200		3 EDU 260		3
Colonnade: Social & Behavioral Sciences		3 GEOG 360		3
Colonnade: Natural & Physical Science		3 SOCL 100 or ANTH 120		3
HIST 240		3 ENG 300		3
Colonnade: Arts & Humanities		3 PSY 310		3
		15		15
Third Year				
Fall	Hours	Spring	Hours	
EDU 350		3 MGE 395		6
HIST 241		3 PSY 422		3
EDU 360		3 HIST or GEOG Elective		3
HIST or GEOG Elective		3 Colonnade: Connections (Local to Global)		3
Colonnade: Connections (Social & Cultural)		3		
		15		15
Fourth Year				
Fall	Hours	Spring	Hours	
HIST or GEOG Elective		3 EDU 489		3
HIST or GEOG Elective		3 MGE 490		10
Elective Course		3		
MGE 396		1		
MGE 481		3		
Colonnade: Connections (Systems)		3		
		16		13
Total Hours 120				

Science and Mathematics Education (SMED), Bachelor of Science (774)

Program Coordinator

Martha M. Day, martha.day@wku.edu

Students seeking certification in middle grades (5-9) or secondary grades (8-12) must complete both the science and mathematics education program (SMED) and one of the following: the middle school science (MSS) program (reference number 734), the middle grades mathematics (MGM) program (reference number 730), or a teacher certifiable science or mathematics content major. This combination of programs leads to a bachelor's degree with a minimum of two majors. Completion of the two programs, as well as the successful completion of the current requirements to be recommended for certification, will qualify a student for Kentucky middle grades science or mathematics certification (grades 5-9), or secondary certification (grades 8-12) in one of the following approved science or mathematics secondary content fields: biology, chemistry, earth and space science, mathematics, or physics. Students seeking admission to the SMED program must earn a grade of C or higher in SMED 101 and SMED 102 and meet requirements for admission to teacher education.

Students seeking academic advising with regard to preparation as a science or mathematics teacher should contact the SKyTeach office,

Kelly Thompson Hall - Office 1011A, (270) 745-3900, or refer to the SKyTeach website: <http://www.wku.edu/skyteach> (<http://www.wku.edu/skyteach/>) for additional information.

Program Requirements (37 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The science and mathematics education program requires completion of 34 hours of professional education courses. The recommended Colonnade mathematics course is either MATH 117 or MATH 118. The required courses are:

Code	Title	Hours
SMED 101	Step 1: Introduction to Inquiry-Based Approaches to Teaching	3
SMED 102	Step 2: Introduction to Inquiry-Based Lesson Design	3
SMED 310	Knowing and Learning in Mathematics and Science	3
SMED 320	Classroom Interactions	3
SMED 340	Perspectives on Mathematics and Science	3
SMED 360	Research Methods for Math and Science Teachers	3
SMED 470	Project-Based Instruction	3
SMED 489	SMED Student Teaching Seminar	3
MGE/SEC 490	Student Teaching ¹	10
Total Hours		34

¹ MGE 490 for students seeking middle grades certification or SEC 490 for students seeking secondary certification.

Students who wish to be science or mathematics teachers in middle or secondary schools must complete the major in Science and Mathematics Education (SMED), offered in the School of Teacher Education, and at least one content major from the following list (consult the catalog listing for the respective department for information about the requirements for the content majors):

Major/Concentration	Department	Leading to Teacher Certification in Grades
Middle Grades Mathematics	Department of Mathematics	Grades 5-9
Middle School Science	OCSE Dean's Office	Grades 5-9
Biology	Department of Biology	Grades 8-12
Chemistry	Department of Chemistry	Grades 8-12
Mathematics	Department of Mathematics	Grades 8-12
Physics	Department of Physics	Grades 8-12

Special Education: Learning and Behavior Disorders and Elementary Education, Bachelor of Science (5003)

Program Coordinator

Janet L. Tassell, janet.tassell@wku.edu, (270) 745-5306

The Special Education: Learning and Behavior and Elementary Education dual certification program leads to the Bachelor of Science degree and the Kentucky Teaching Certificates for Learning and Behavior Disorders (P-12) and Elementary Education (P-5). The program requires completion of a general education component, related studies component, and professional education component.

Program Requirements (88 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
Core Courses		
PSY 310	Educational Psychology: Development and Learning	3
EDU 250	Discover Teaching: Introduction to Teacher Education	3
EDU 260	Classroom Assessment	3
EDU 350	Student Diversity and Differentiation	3
EDU 360	Behavior and Classroom Management in Education	3
Total Hours		15

Code	Title	Hours
Related Studies Courses		
MATH 205	Number Systems and Number Theory for Teachers	3
MATH 206	Fundamentals of Geometry for Teachers	3
MATH 308	Rational Numbers and Data Analysis for Teachers	3
MUS 314	Comprehensive Arts Education for the Elementary Teacher	3
PE 354	Physical Education for Elementary Schools	3
Select one of the following courses:		3
GEOG 352 or HIST 240 or HIST 241	Geography of Kentucky The United States to 1865 The United States Since 1865	

LTCY 320	Foundations of Teaching Literacy in the Elementary Grades	3
LTCY 420	Literacy Methods in the Elementary Grades	3
ELED 345	Foundations of Elementary Teaching	3
ELED 405	Teaching Mathematics in the Elementary School	3
ELED 406	Teaching Science in the Elementary School	3
ELED 407	Materials and Methods in Social Studies	3
SPED 335	Foundations of Special Education	3
SPED 340	LBD Elementary Instructional Methods	3
SPED 345	LBD Secondary Methods: Language Arts	3
SPED 346	Learning and Behavioral Disorders Secondary Methods- Math	3
SPED 350	Assessment in Special Education	3
SPED 400	Behavior Management Strategies in Special Education	3
SPED 425	LBD Language Interventions: Strategies and Materials	4
SPED 480	Data-driven Decisions in Special Education	3
EDU 489	Student Teaching Seminar	2
SPED 490	Student Teaching: Exceptional Education	5
ELED 490	Student Teaching	5
Total Hours		73

A passing score on the PRAXIS CASE and a 2.75 GPA are required prior to enrollment in ELED 345 and SPED 400. Student teaching occurs during the final semester of the program. Within the professional education sequence, students are required to meet state requirements for fieldwork experience in addition to course work. This laboratory work will be in field experiences away from the main university campus.

Special Education: Learning and Behavior Disorders and Elementary Education candidates may receive academic advising in the School of Teacher Education, GRH 1005 (270) 745-5414. Refer to the School of Teacher Education website (<http://www.wku.edu/ste> (<http://www.wku.edu/ste/>)) for additional information.

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
EDU 250		3 EDU 260	3
ENG 100		3 PSY 310	3
HIST 101 or HIST 102		3 ENG 200	3
COMM 145		3 MATH 205	3
MATH 112 or MATH 116		3 BIOL 113 & BIOL 114	4
Colonnade: Arts & Humanities		3	
		18	16

Second Year			
Fall	Hours	Spring	Hours
EDU 360		3 LTCY 320	3
EDU 350		3 SPED 335	3
ENG 300		3 ELED 345	3
MATH 206		3 MATH 308	3
Colonnade: Social & Behavioral Sciences		3 Colonnade: Natural & Physical Sciences	3
GEOG 352, HIST 240, or HIST 241		3 Colonnade: Connections (Local to Global)	3
		18	18
Third Year			
Fall	Hours	Spring	Hours
SPED 340		3 ELED 405	3
ELED 407		3 ELED 406	3
LTCY 420		3 SPED 480	3
SPED 350		3 SPED 425	4
Colonnade: Connections (Systems)		3 MUS 314	3
Colonnade: Connections (Social & Cultural)		3 Possible MAE Course *	
Possible MAE Course *			
		18	16
Fourth Year			
Fall	Hours	Spring	Hours
SPED 345		3 EDU 489	3
SPED 400		3 SPED 490 (middle or high school LBD setting)	5
SPED 346		3 ELED 490 (ELED classroom with at least one active IEP)	5
PE 354		3 Possible MAE Course *	
Possible MAE Course *			
		12	13
Total Hours 129			

* Candidates can take up to 12 graduate hours towards their master's degree with permission. See your advisor.

Ogden College of Science and Engineering

Ogden College Hall, Office 1017

Phone: 270-745-4449

Website: <https://www.wku.edu/ogden/>

Email: ogdencollegedeansoffice@wku.edu

Dr. David N. Brown, Dean

David.Brown@wku.edu

Dr. Stuart Burris, Associate Dean

Stuart.Burris@wku.edu

Dr. Cathleen Webb, Associate Dean for Research

Cathleen.Webb@wku.edu

Mission

The mission of Ogden College of Science and Engineering is to **empower** individuals to become leaders through academic achievement, global **connections**, and engagement in research, education and **service**.

Vision

Ogden College of Science and Engineering is a community of creative and critical thinkers achieving local to global impact.

Ogden College of Science and Engineering encompasses the applied and basic sciences, offering a broad range of degree programs in agriculture, biology, chemistry, computer science, construction management, engineering, geography, geology, architectural science, advanced manufacturing, mathematics, meteorology, physics, astronomy, and psychology.

We are recognized by the high quality and success of our students and graduates, which results from personal attention to student professional development through engagement with faculty in projects that expand on classroom instruction.

Students and faculty at WKU have benefited from its membership in Oak Ridge Associated Universities (ORAU). ORAU is a consortium of 114 colleges and universities and a contractor for the U.S. Department of Energy (DOE) located in Oak Ridge, Tennessee. ORAU works with its member institutions to help their students and faculty gain access to federal research facilities throughout the country; to keep its members informed about opportunities for fellowships, scholarships, and research appointments; and to organize research alliances among its members. Programs cover a wide variety of disciplines including earth sciences, epidemiology, engineering, physics, geological sciences, pharmacology, ocean sciences, biomedical sciences, nuclear chemistry, and mathematics. Many of these programs are especially designed to increase the numbers of underrepresented minority students pursuing degrees in science and engineering related disciplines.

For more information about ORAU and its programs, contact: Dr. Cathleen Webb, Associate Dean of OCSE and the ORAU counselor for WKU.

Ogden College is home to the Health Professions Advisement Center (HPAC). WKU has an outstanding track record of students gaining entry to the health professions. At HPAC, students interested in attending a school or college of medicine, dentistry, pharmacy, physical therapy, occupational therapy, optometry, veterinary medicine, chiropractic

medicine, podiatry or physician assistant, will receive information, advice and guidance on their preparation for admission to professional school.

In collaboration with the College of Education, Ogden College offers the SKyTeach Program for those interested in teaching science and math at middle or high school levels. This program is a replication of a nationally recognized program in teacher preparation developed at the University of Texas - Austin. WKU received \$2.4 million in funding from Exxon/Mobil through the National Mathematics and Science Initiative to develop the SKyTeach program at WKU.

Those interested in more detailed information regarding programs offered by departments of the College should follow the links listed under departments or email the Dean of Ogden College of Science and Engineering directly.

- Biochemistry, Bachelor of Science (519) (p. 260)
- Department of Agriculture and Food Science (p. 262)
 - Agriculture, Bachelor of Science (508) (p. 264)
 - Agriculture, Bachelor of Science (605) (p. 274)
 - Agriculture, Minor (308) (p. 275)
 - Floristry, Certificate (1769) (p. 275)
 - Floristry, Minor (369) (p. 275)
- Department of Biology (p. 275)
 - Biology, Bachelor of Science (525) (p. 276)
 - Biology, Bachelor of Science (617) (p. 278)
 - Biology, Minor (326) (p. 280)
 - Medical Laboratory Science, Bachelor of Science (5004) (p. 280)
 - Molecular Biotechnology, Bachelor of Science (738) (p. 282)
- Department of Chemistry (p. 283)
 - Chemistry, Bachelor of Science (623) (p. 284)
 - Chemistry, Minor (335) (p. 288)
- Department of Earth, Environmental, and Atmospheric Sciences (p. 288)
 - Environmental, Sustainability, and Geographic Studies, Bachelor of Science (5009) (p. 288)
 - Geographic Information Systems, Certificate (174) (p. 289)
 - Geological Sciences, Bachelor of Science (5008) (p. 290)
 - Meteorology, Bachelor of Science (578) (p. 292)
- Department of Mathematics (p. 293)
 - Applied Statistics, Minor (313) (p. 294)
 - Mathematical Economics, Bachelor of Science (731P, 731) (p. 199)
 - Mathematics, Bachelor of Arts (528P, 528) (p. 297)
 - Mathematics, Bachelor of Arts (728P, 728) (p. 300)
 - Mathematics, Minor (Minor for Employment in Industry and/or Graduate Studies in Mathematics) (417) (p. 302)
 - Middle Grades Mathematics, Bachelor of Science (730P, 730) (p. 302)
- Department of Physics and Astronomy (p. 303)
 - Astronomy, Minor (318) (p. 304)
 - Biophysics, Minor (329) (p. 305)
 - Physics, Bachelor of Science (754) (p. 305)
- Department of Psychological Sciences (p. 307)

- Neuroscience, Minor (434) (p. 307)
- Psychological Science, Bachelor of Science (747) (p. 308)
- Psychological Science, Minor (440) (p. 313)
- Interdisciplinary Programs (p. 314)
 - Emergency Management Disaster Science, Certificate (1748) (p. 314)
- School of Engineering and Applied Sciences (p. 314)
 - Architectural Science, Bachelor of Science (518) (p. 315)
 - Civil Engineering, Bachelor of Science (534P, 534) (p. 317)
 - Computer Information Technology, Bachelor of Science (555P, 555) (p. 319)
 - Computer Science, Bachelor of Science (629P, 629) (p. 320)
 - Computer Science, Minor (341) (p. 322)
 - Construction Management, Bachelor of Science (533) (p. 322)
 - Electrical Engineering, Bachelor of Science (537P, 537) (p. 324)
 - Engineering Technology Management, Bachelor of Science (5007) (p. 325)
 - Floodplain Management, Certificate (1763) (p. 326)
 - Land Surveying, Certificate (1700) (p. 326)
 - Manufacturing Engineering Technology, Bachelor of Science (5006) (p. 327)
 - Mechanical Engineering, Bachelor of Science (543P, 543) (p. 328)
 - Systems Engineering, Minor (476) (p. 330)
- SKYTeach (p. 331)
 - Middle School Science, Bachelor of Science (734) (p. 331)

Degrees

- Biochemistry, Bachelor of Science (519) (p. 260)
- Middle School Science, Bachelor of Science (734) (p. 331)

Pre-Chiropractic Advisement

Advisors: Steve Huskey

Contact: Dr. Les Pesterfield

Office: Kelly Thompson Hall 4011

Phone: 270-745-6246

Email: hpa@wku.edu

Website: <http://www.wku.edu/wkuhpa> (<http://www.wku.edu/wkuhpa/>)

WKU has a 3-year (90 semester hours) curriculum designed to prepare potential candidates for entry into a professional chiropractic college. Prior to application at a chiropractic college, candidates must have earned a minimum of 90 semester hours (including at least 48 semester hours in the courses listed below). The candidate is responsible for ensuring that he or she has met those specific and elective requirements of the school(s) to which they are applying.

Although the following requirements will meet current admission guidelines for most chiropractic programs, the student should check the pre-requisites for those schools to which they wish to apply. Completion of these pre-requisites will allow you to compete for available spaces in chiropractic programs, but will not guarantee admission.

Code	Title	Hours
ENG 100	Introduction to College Writing	3
ENG 300	Writing in the Disciplines	3

BIOL 120 & BIOL 121	Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab	4
BIOL 122 & BIOL 123	Biological Concepts: Evolution, Diversity, and Ecology and Biological Concepts: Evolution, Diversity, and Ecology Lab	4
or BIOL 131	Human Anatomy and Physiology	
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	5
CHEM 222 & CHEM 223	College Chemistry II and College Chemistry II Laboratory	5
MATH 116	College Algebra	3
MATH 117	Trigonometry	3
PSY/PSYS 100	Introduction to Psychology	3
Select one of the following groups:		
PHYS 231 & PHYS 232 & PHYS 332 & PHYS 233	Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I and Introduction to Physics and Biophysics II and Laboratory for Physics and Biophysics II	
PHYS 201 & PHYS 202	College Physics I and College Physics II	
Select 15 hours of Humanities and Social Sciences electives in consultation with advisor		15
Total Hours		48

Please note: Recommended courses are based on WKU's assessment of specific professional school requirements. Students should, in consultation with their advisor, review the requirements at the professional school of their choice.

Pre-Dentistry Advisement

Advisors: Noah Ashley, Eric Conte, Darwin Dahl, Steve Huskey, Les Pesterfield, Ajay Srivastava

Contact: Dr. Les Pesterfield

Office: Kelly Thompson Hall 4011

Phone: 270-745-6246

Email: hpa@wku.edu

Website: <http://www.wku.edu/wkuhpa> (<http://www.wku.edu/wkuhpa/>)

Students planning a career in dentistry should follow the pre-dentistry curriculum at WKU. All applicants to dental school must take the Dental Admission Test (DAT) approximately one year prior to intended matriculation. Most schools of dentistry have a requirement for observation/ shadowing a practitioner. Students should plan on completing their hours of required observation by the end of the junior year.

Code	Title	Hours
ENG 100	Introduction to College Writing	3
ENG 300	Writing in the Disciplines	3

BIOL 120 & BIOL 121	Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab	4
BIOL 122 & BIOL 123	Biological Concepts: Evolution, Diversity, and Ecology and Biological Concepts: Evolution, Diversity, and Ecology Lab	4
BIOL 226 & BIOL 227	Microbial Biology and Diversity and Microbial Biology and Diversity Lab	4
BIOL 446 or CHEM 446	Biochemistry I Biochemistry I	3
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	5
CHEM 222 & CHEM 223	College Chemistry II and College Chemistry II Laboratory	5
CHEM 340 & CHEM 341	Organic Chemistry I and Organic Chemistry Laboratory I	5
CHEM 342 & CHEM 343	Organic Chemistry II and Organic Chemistry II Laboratory	5
MATH 116	College Algebra	3
MATH 117	Trigonometry	3
PHYS 231 & PHYS 232	Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I	4
Total Hours		51

It is highly recommended that students planning a dental career complete the entire four-year curriculum and receive the baccalaureate degree before entering a dental college. A few dental schools will accept students after three years of undergraduate work. One year of satisfactory work in dental school can then be transferred to WKU in order to receive the Bachelor of Science degree. All requirements for the Colonnade Program and the core courses for a major and minor must be completed before leaving WKU. Courses taken in dental school may then (at the discretion of the department chair) be accepted by the major and/or minor departments at WKU allowing the student to receive the bachelor's degree.

Please note: Recommended courses are based on WKU's assessment of specific professional school requirements. Students should, in consultation with their advisor, review the requirements at the professional schools of their choice.

Pre-Forestry Advisement

Advisor: Dr. Martin Stone

Office: Environmental Sciences & Technology Building 258

Phone: 270-745-5963

Email: Martin.Stone@wku.edu

Students interested in forestry as a career may enter Western Kentucky University and complete a plan of study comparable to the first two years of a four-year forestry degree program. The program outlined is designed to qualify students to transfer into the forestry program at the University of Kentucky. This program will permit students with grades of "C" or better to transfer to the degree program of Bachelor of Science in Forestry without loss of credits. Students desiring to attend schools

other than the University of Kentucky should contact the pre-forestry advisor for specific requirements.

Code	Title	Hours
Select one of the following groups:		10
CHEM 105 & CHEM 106 & CHEM 107 & CHEM 108	Fundamentals of General Chemistry and Fundamentals of General Chemistry Laboratory and Fundamentals of Organic Chemistry and Fundamentals of Organic Chemistry Laboratory	
CHEM 120 & CHEM 121 & CHEM 222 & CHEM 223	College Chemistry I and College Chemistry I Laboratory and College Chemistry II and College Chemistry II Laboratory	
ENG 100	Introduction to College Writing	3
ENG 300	Writing in the Disciplines	3
BIOL 120 & BIOL 121	Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab	4
BIOL 222 & BIOL 223	Plant Biology and Diversity and Plant Biology and Diversity Lab	4
BIOL 348	Plant Taxonomy	4
PHYS 101	Concepts of Motion	3
MATH 116	College Algebra	3
MATH 117	Trigonometry	3
MATH 119	Fundamentals of Calculus	4
COMM 145	Fundamentals of Public Speaking and Communication	3
AGRO 110	Introduction to Plant Science	3
AGRO 350	Soils	3
SFTY 171	Safety and First Aid	1
SPAN 101	Elementary Spanish I	3
GEOG 210	Environment and Ecological Policy	3
CE 160 & CE 161	Principles of Surveying and Principles of Surveying Lab	4
AGEC 360	Agricultural Economics	3
AGRI 291	Introduction to Data Analysis and Interpretation	3
Restricted electives		
Total Hours		67

Please note: Recommended courses are based on WKU's assessment of specific professional school requirements. Students should, in consultation with their advisor, review the requirements at the professional school of their choice.

Pre-Medicine Advisement

Advisors: Kevin Williams, Darwin Dahl, Steve Huskey, Les Pesterfield, Simran Banga, Ajay Srivastava, Ali Er

Contact: Dr. Les Pesterfield

Office: Kelly Thompson Hall 4011

Phone: 270-745-6246

Email: hpa@wku.edu

Website: <http://www.wku.edu/wkuhpa> (<http://www.wku.edu/wkuhpa/>)

The pre-medicine curriculum has been developed with two objectives in mind. The first objective is to provide the undergraduate student with an academic background that will enable them to succeed in the medical school of their choice. The second objective is to provide the academic credits to earn the Bachelor of Science degree after four years of study. It is required that students planning a medical career complete the four-year curriculum and receive the Bachelor of Science degree before entering a medical college.

During the first two years of undergraduate work, the pre-medicine student should complete the majority of the basic science courses that constitute the minimal prerequisites for entrance into medical school.

Code	Title	Hours
ENG 100	Introduction to College Writing	3
ENG 300	Writing in the Disciplines	3
BIOL 120 & BIOL 121	Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab	4
BIOL 122 & BIOL 123	Biological Concepts: Evolution, Diversity, and Ecology and Biological Concepts: Evolution, Diversity, and Ecology Lab	4
BIOL 224 & BIOL 225	Animal Biology and Diversity and Animal Biology and Diversity Lab	4
BIOL 446 or CHEM 446	Biochemistry I Biochemistry I	3
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	5
CHEM 222 & CHEM 223	College Chemistry II and College Chemistry II Laboratory	5
CHEM 340 & CHEM 341	Organic Chemistry I and Organic Chemistry Laboratory I	5
CHEM 342 & CHEM 343	Organic Chemistry II and Organic Chemistry II Laboratory	5
MATH 116	College Algebra	3
MATH 117	Trigonometry	3
MATH 136	Calculus I	4
Select one of the following groups:		8
PHYS 231 & PHYS 232 & PHYS 332 & PHYS 233	Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I and Introduction to Physics and Biophysics II and Laboratory for Physics and Biophysics II	
PHYS 255 & PHYS 265	University Physics I and University Physics II	
Total Hours		59

In addition to the basic science courses, classes should be taken from the WKU Colonnade requirements. In preparation for the MCAT, it is strongly recommended that the pre-medical student choose BIOL 319, BIOL 330 and BIOL 382 or MATH 183 as electives. PSY 100 / PSYS 100

or PSYS 220 and SOCL 100 are also recommended among Colonnade classes.

During the junior and senior years, students with direction from their pre-medicine advisor, should complete courses to constitute a major and a minor in addition to completing the Colonnade Program requirements for a degree. All applicants to medical school must take the Medical College Admission Test (MCAT).

In 2018, in partnership with The Medical Center of Bowling Green and WKU, the University of Kentucky, School of Medicine opened a branch medical campus in Bowling Green, KY. Pre-medical students have the opportunity to complete pre-medical studies and all four years of medical school in Bowling Green.

Please note: Recommended courses are based on WKU's assessment of specific professional school requirements. Students should, in consultation with their advisor, review the requirements at the professional schools of their choice.

Pre-Occupational Therapy Advisement

Advisors: Wendi Hulse, Mark Schafer, Matthew Shake

Contact: Dr. Les Pesterfield

Office: Kelly Thompson Hall 4011

Phone: 270-745-6246

Email: hpa@wku.edu

Website: <http://www.wku.edu/wkuhpa> (<http://www.wku.edu/wkuhpa/>)

Occupational therapists and occupational therapy assistants help people across the lifespan participate in the things they want and need to do through the therapeutic use of everyday activities (occupations). Common occupational therapy interventions include helping children with disabilities to participate fully in school and social situations, helping people recovering from injury to regain skills, and providing supports for older adults experiencing physical and cognitive changes.

Students may fulfill pre-occupational therapy requirements at Western Kentucky University and become eligible to submit applications for admission to any doctoral or master's level occupational therapy schools within the United States. These schools vary slightly in their requirements so students should decide after 4 or 5 semesters on the college(s) of occupational therapy to which they plan to submit an application for admission and arrange their schedules in accordance with the requirements of that particular school. Students applying to Occupational Therapy school should take the GRE.

Code	Title	Hours
Courses typically required		
BIOL 131	Human Anatomy and Physiology	4
BIOL 231	Advanced Human Anatomy and Physiology	4
Select one of the following:		3-4
MATH 183	Introductory Statistics	
PSY 210 & PSY 211	Research Methods in Psychology and Research Methods in Psychology Laboratory	
PSYS 210 & PSYS 211	Research Methods in Psychology and Research Methods in Psychology Laboratory	
BIOL 382	Introductory Biostatistics	
PSY/PSYS 440	Abnormal Psychology	3

SOCL 100	Introductory Sociology	3
Select an additional Biology Class with Lab		
AH 290	Medical Terminology	2
Courses often required		
PSY/PSYS 220	Introduction to Lifespan Developmental Psychology	3
CHEM 109	Chemistry for the Health Sciences	4
PHYS 201	College Physics I	4

Please note: Recommended courses are based on WKU's Assessment of specific professional school requirements. Students should, in consultation with their advisor, review the requirements at the professional school of their choice.

Pre-Optometry Advisement

Advisors: Ali Er, Les Pesterfield

Contact: Dr. Les Pesterfield

Office: Kelly Thompson Hall 4011

Phone: 270-745-6246

Email: hpa@wku.edu

Website: <http://www.wku.edu/wkuhpa> (<http://www.wku.edu/wkuhpa/>)

Students may fulfill pre-optometry requirements at Western Kentucky University and become eligible to submit applications for admission to any of the 23 optometry schools within the United States. These schools vary slightly in their pre-optometry requirements. Students should decide after 4 or 5 semesters on the college(s) of optometry to which they plan to submit an application for admission and arrange their schedules in accordance with the requirements of that particular school.

The professional optometric program requires four years of study in a school of optometry. This is in addition to the three or more years of pre-optometry requirements. Applicants to all of the optometry schools are required to take the Optometry Admission Test (OAT).

In the fall of 2016, the Kentucky College of Optometry (Pikeville, KY) welcomed their inaugural class. Through a Memorandum of Agreement between WKU and KYCO, qualified WKU students will have preferred admission status at KYCO.

The courses listed below are required as prerequisites for all optometry schools. Each science course must be accompanied by its appropriate laboratory.

Code	Title	Hours
BIOL 120	Biological Concepts: Cells Metabolism and Genetics	3
BIOL 122	Biological Concepts: Evolution, Diversity, and Ecology	3
BIOL 226	Microbial Biology and Diversity	3
CHEM 120	College Chemistry I	3
CHEM 222	College Chemistry II	3
CHEM 340	Organic Chemistry I	3
PHYS 231	Introduction to Physics and Biophysics I	3
PHYS 332	Introduction to Physics and Biophysics II	3
or PHYS 255	University Physics I	
PHYS 265	University Physics II	4

MATH 116	College Algebra	3
MATH 117	Trigonometry	3
MATH 136	Calculus I	4
ENG 100	Introduction to College Writing	3
ENG 300	Writing in the Disciplines	3
PSY/PSYS 100	Introduction to Psychology	3
Select a statistics course		
Total Hours		47

There may be additional course requirements that vary with each optometry school.

All students in the curriculum are strongly encouraged to work toward a bachelor's degree, even though a degree is not required for admission to most optometry schools. One year of satisfactory work in optometry school can generally then be transferred to WKU in order to receive the Bachelor of Science degree. All requirements for the Colonnade Program and the core courses for a major and minor must be completed. Courses taken in optometry school may then (at the discretion of the department chair) be accepted by the major and/or minor department at WKU allowing the student to receive the bachelor's degree.

Please note: Recommended courses are based on WKU's assessment of specific professional school requirements. Students should, in consultation with their advisor, review the requirements at the professional school of their choice.

Pre-Pharmacy Advisement

Advisors: Jeremy Maddox, Darwin Dahl, Rodney King, Carnetta Skipworth

Contact: Dr. Carnetta Skipworth

Office: Kelly Thompson Hall 4043

Phone: (270) 745-8741

Email: hpa@wku.edu

Website: <http://www.wku.edu/wkuhpa> (<http://www.wku.edu/wkuhpa/>)

Students planning a career in pharmacy should follow a pre-pharmacy curriculum at WKU. After completion of a minimum of 70 credit hours, the student may take the Pharmacy College Admissions Test (PCAT) and apply for admission to a school of pharmacy for the remaining four years of training.

The following curriculum contains courses required for admission to the University of Kentucky, College of Pharmacy. The courses required by other schools of pharmacy are much the same; however, the student should investigate the requirements of the school to which they plan to attend in order that every requirement may be included in their pre-pharmacy program.

Code	Title	Hours
Freshman Year Courses		
BIOL 120 & BIOL 121	Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab	4
BIOL 131	Human Anatomy and Physiology	4
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	5
CHEM 222 & CHEM 223	College Chemistry II and College Chemistry II Laboratory	5

ENG 100	Introduction to College Writing	3
MATH 136	Calculus I	4
Electives		
Sophomore Year Courses		
Select one of the following:		4
BIOL 207 & BIOL 208	General Microbiology and General Microbiology Laboratory	
BIOL 226 & BIOL 227	Microbial Biology and Diversity and Microbial Biology and Diversity Lab	
BIOL 231	Advanced Human Anatomy and Physiology	4
CHEM 340 & CHEM 341	Organic Chemistry I and Organic Chemistry Laboratory I	5
CHEM 342 & CHEM 343	Organic Chemistry II and Organic Chemistry II Laboratory	5
ECON 202 or ECON 203	Principles of Economics (Micro) Principles of Economics (Macro)	3
ENG 300	Writing in the Disciplines	3
MATH 183 or BIOL 382	Introductory Statistics Introductory Biostatistics	3
Electives		
Total Hours		52

Electives should include one course in psychology or sociology. COMM 145, HIST 101 or HIST 102 is also recommended. Note: Many pharmacy schools require a single semester of Physics that can be met by taking PHYS 231/PHYS 232 or PHYS 255.

The Carpenter-Dent Trust Fund offers scholarships to eligible pre-pharmacy students who are residents of Allen, Simpson or Warren County.

Please note: Recommended courses are based on WKU's assessment of specific professional school requirements. Students should, in consultation with their advisor, review the requirements at the professional school of their choice.

Pre-Physical Therapy Advisement

Advisors: Steve Huskey, Gary English, Mark Schafer, Wendi Hulsey

Contact: Dr. Les Pesterfield

Office: Kelly Thompson Hall 4011

Phone: 270-745-6246

Email: hpa@wku.edu

Website: <http://www.wku.edu/wkuhpa> (<http://www.wku.edu/wkuhpa/>)

The pre-physical therapy program at Western Kentucky University is designed to prepare students for application to accredited programs in physical therapy. It is recommended that the student complete a baccalaureate degree while completing the pre-requisite requirements of the physical therapy schools to which they plan to apply. It should be noted that all physical therapy schools have adopted a Doctorate/Ph.D. level program, and as a result, a baccalaureate degree is required. Completion of the following prerequisites does not guarantee admission into a physical therapy school; it merely places the candidate into a competitive pool of applicants from which the successful candidates will be selected and interviewed.

Application to the physical therapy schools at WKU, the University of Kentucky and Bellarmine University requires applicants to have earned a bachelor's degree by the time they enter the program. A grade of "C" or better is required in all prerequisite courses. Applicants must also show evidence of having completed at least 50 hours of physical therapy observation and/or volunteer experience at two or more health care facilities. The following suggestions and requirements must be completed by the time the successful applicant enters the professional program:

Code	Title	Hours
WKU Colonnade Suggestions		
ENG 100	Introduction to College Writing	3
ENG 300	Writing in the Disciplines	3
ENG 200	Introduction to Literature	3
Select an Arts & Humanities course		
COMM 145	Fundamentals of Public Speaking and Communication	3
PSY/PSYS 100	Introduction to Psychology	3
PSY/PSYS 220	Introduction to Lifespan Developmental Psychology	3
HIST 101	World History I	3
or HIST 102	World History II	
Complete World Language Requirement		
Math/Science Requirements		
BIOL 120 & BIOL 121	Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab	4
BIOL 122 & BIOL 123	Biological Concepts: Evolution, Diversity, and Ecology and Biological Concepts: Evolution, Diversity, and Ecology Lab	4
Select one of the following:		4
BIOL 131 & BIOL 231	Human Anatomy and Physiology and Advanced Human Anatomy and Physiology ¹	
or BIOL 224/225	Animal Biology and Diversity	
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	5
CHEM 222 & CHEM 223	College Chemistry II and College Chemistry II Laboratory	5
PHYS 231 & PHYS 232	Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I	4
PHYS 332 & PHYS 233	Introduction to Physics and Biophysics II and Laboratory for Physics and Biophysics II	4
MATH 116	College Algebra	3
MATH 117	Trigonometry ²	3
Select one of the following:		3
BIOL 382	Introductory Biostatistics	
or PH 383	Biostatistics in the Health Sciences	
or MATH 183	Introductory Statistics	
Additional Suggestion		

AH 290	Medical Terminology (required by UK)	2
PHIL 320 or PHIL 322	Ethics Biomedical Ethics	3
Total Hours		65

¹ BIOL 321 and BIOL 330 are strongly recommended for Biology majors.

² MATH 136 is recommended for the University of Kentucky.

If not completed in Colonnade, Six (6) hours of social/behavioral sciences (psychology, sociology, anthropology, philosophy, ethics, etc.) are also required.

The GRE is also required and should be completed approximately a year in advance of intended matriculation to PT school. It is also strongly recommended that professional certification in first aid by the American Red Cross and in CPR by the American Heart Association be completed prior to entrance into the program. The community CPR course offered by the American Red Cross is NOT acceptable. The minimum overall GPA should be 2.75; the minimum science core GPA should be 3.0 (4.0 scale). However, the competitive nature of the application process over the last several years indicates that overall and science GPA's should both be 3.4 or higher to seriously contend for entrance.

WKU graduated their inaugural DPT class in Spring 2016; for more information go to <http://www.wku.edu/physicaltherapy> (<http://www.wku.edu/physicaltherapy>).

Please note: Recommended courses are based on WKU's assessment of specific professional school requirements. Students should, in consultation with their advisor, review the requirements at the professional school of their choice.

Pre-Physician Assistant Advisement

Advisors: Kerrie McDaniel, Darwin Dahl

Contact: Dr. Les Pesterfield

Office: Kelly Thompson Hall 4011

Phone: 270-745-6246

Email: hpa@wku.edu

Website: <http://www.wku.edu/wkuhpa> (<http://www.wku.edu/wkuhpa/>)

A Physician Assistant (PA) is a healthcare provider that has earned a Master's Degree from an accredited PA school (typically earned in 27 months) and passes a national licensure exam (PANCE). They must practice under the supervision of a licensed physician. It is a relatively new health profession, which has grown tremendously over the last 20 years. There are currently 209 accredited PA Programs in the US (but only 3 in KY, University of Kentucky, University of the Cumberlands, and Sullivan University). The successful candidate will have earned a bachelor's degree prior to matriculation, completed the pre-requisite coursework, take the Graduate Record Exam (GRE) as well as complete extensive shadowing and healthcare work experience (1000 hours, 500 at time of application). Due to the extensive health care experience required, students are encouraged to begin no later than the beginning of the junior year. The following pre-requisites are based on those at the University of Kentucky. The student should carefully examine the requirements at other schools to which they plan to apply.

Code	Title	Hours
ENG 100	Introduction to College Writing	3
ENG 300	Writing in the Disciplines	3
BIOL 120 & BIOL 121	Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab	4
BIOL 122 & BIOL 123	Biological Concepts: Evolution, Diversity, and Ecology and Biological Concepts: Evolution, Diversity, and Ecology Lab	4
BIOL 224 & BIOL 225	Animal Biology and Diversity and Animal Biology and Diversity Lab	4
Select one of the following:		4
BIOL 226 & BIOL 227	Microbial Biology and Diversity and Microbial Biology and Diversity Lab	
BIOL 207 & BIOL 208	General Microbiology and General Microbiology Laboratory	
Select one of the following:		8
BIOL 321 & BIOL 330	Comparative Anatomy and Animal Physiology	
BIOL 131 & BIOL 231	Human Anatomy and Physiology and Advanced Human Anatomy and Physiology	
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	5
CHEM 222 & CHEM 223	College Chemistry II and College Chemistry II Laboratory	5
CHEM 340 & CHEM 341	Organic Chemistry I and Organic Chemistry Laboratory I	5
MATH 116	College Algebra	3
MATH 117	Trigonometry	3
PSYS/PSY 100	Introduction to Psychology	3
PSYS/PSY 220	Introduction to Lifespan Developmental Psychology	3
SOCL 100	Introductory Sociology	3
BIOL 382 or MATH 183	Introductory Biostatistics Introductory Statistics	3
AH 290	Medical Terminology	2
Total Hours		65

Pre-Podiatric Medicine Advisement

Advisors: Les Pesterfield

Contact: Dr. Les Pesterfield

Office: Kelly Thompson Hall 4011

Phone: 270-745-6246

Email: hpa@wku.edu

Website: <http://www.wku.edu/wkuhpa> (<http://www.wku.edu/wkuhpa/>)

Students planning a career in podiatry should follow the pre-podiatric curriculum at Western Kentucky University that is basically the same as that outlined for pre-medicine students. All applicants to podiatry school must take the Medical College Admission Test.

Three years of undergraduate academic study are required; however, 97% of matriculants complete the B.S. degree and therefore it is recommended that students planning a career in podiatry complete the entire four-year curriculum and receive the Bachelor of Science degree before entering a college of podiatric medicine.

Please note: Recommended courses are based on WKU's assessment of specific professional school requirements. Students should, in consultation with their advisor, review the requirements at the professional school of their choice.

Pre-Veterinary Medicine Advisement

Advisors: Fred DeGraves, Mike Stokes, Steve Huskey

Contact: Dr. Fred DeGraves

Office: Environmental Sciences & Technology Building 269

Phone: 270-745-3151

Email: hpa@wku.edu

Website: <http://www.wku.edu/wkuhpa> (<http://www.wku.edu/wkuhpa/>)

Kentucky students have the opportunity to attend veterinary medical school at reduced tuition at Auburn University, Auburn, AL or Tuskegee Institute, Tuskegee, AL. The Commonwealth of Kentucky has made this possible through its participation with the Southern Regional Education Board (SREB). The State of Kentucky pays approximately \$25,000 annually for each student at Auburn or Tuskegee. Each year the School of Veterinary Medicine at Auburn reserves 34-40 positions for students from Kentucky who meet admission requirements. If admitted, Kentucky students pay the same fees as Alabama residents. Two to six positions may also be available each year at Tuskegee Institute on the same basis.

The minimum education requirement for admission to the School of Veterinary Medicine, Auburn University, is the satisfactory completion of an approved curriculum at an accredited college or university. A minimum grade point average of 2.50 is required overall and for the required courses.

Students may apply to one or both institutions as they near completion of the pre-veterinary requirements. The GRE is required for both Auburn University and Tuskegee.

The following courses have been approved by Auburn University:

Code	Title	Hours
ENG 100	Introduction to College Writing	3
ENG 200	Introduction to Literature	3
ENG 300	Writing in the Disciplines	3
MATH 116	College Algebra	3
MATH 117	Trigonometry (or higher level)	3
HIST 101 or HIST 102	World History I World History II	3
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	5
CHEM 222 & CHEM 223	College Chemistry II and College Chemistry II Laboratory	5
CHEM 340 & CHEM 341	Organic Chemistry I and Organic Chemistry Laboratory I	5
CHEM 342 & CHEM 343	Organic Chemistry II and Organic Chemistry II Laboratory	5

PHYS 231 & PHYS 232	Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I	4
PHYS 332 & PHYS 233	Introduction to Physics and Biophysics II and Laboratory for Physics and Biophysics II	4
BIOL 120 & BIOL 121	Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab	4
BIOL 122 & BIOL 123	Biological Concepts: Evolution, Diversity, and Ecology and Biological Concepts: Evolution, Diversity, and Ecology Lab	4
ANSC 140 & ANSC 141	Introduction to Animal Science and Introduction to Animal Science Laboratory	4
ANSC 345	Principles of Animal Nutrition	3
BIOL 319 & BIOL 322	Introduction to Molecular and Cell Biology and Introduction to Molecular and Cell Biology Laboratory	4
BIOL/CHEM 446	Biochemistry I	3
Select one of the following:		3
ART 100	Art Appreciation	
MUS 120	Music Appreciation	
THEA 151	Theatre Appreciation	
COMM 145	Fundamentals of Public Speaking and Communication	3
Select 6 hours of 300-400 level science electives		6
Select 6 hours of social science electives		6
Total Hours		86

This curriculum is planned for completion in three years. By choosing the correct electives in the pre-veterinary program and transferring credits for the first year of veterinary school to Western Kentucky University, students may receive the Bachelor of Science degree from WKU. This is a suggested curriculum; the sequence of courses may be varied to suit individual situations. Every effort is made to advise each student based upon the individual's background and academic capability.

Please note: Recommended courses are based on WKU's assessment of specific professional school requirements. Students should, in consultation with their advisor, review the requirements at the professional school of their choice.

Biochemistry, Bachelor of Science (519)

Biochemistry

Advisor:

Dr. Kevin Williams, Department of Chemistry

Kelly Thompson Hall, Office 4016

Phone: 270-745-8899

Faculty**Department of Chemistry:** M. Kim, K. Williams, B. Williams, D. Wolfgang**Department of Biology:** C. Emani, R. King, A. Srivastava

Biochemistry is the study of the chemical basis of living organisms. The subject includes the investigation of the various classes of biomolecules (proteins, nucleic acids, lipids, and carbohydrates) and their metabolic interactions.

Training in biochemistry offers many exciting opportunities in teaching, research, and public service. It provides excellent preparation for students intending to enter professional programs such as Dentistry and Medicine as well as graduate study in Biochemistry, Chemistry, or Biology. The Biochemistry program is the only stand-alone Bachelor's Degree in Biochemistry at a public institution in the Commonwealth. It is administered jointly through the Departments of Biology and Chemistry. Students may enroll for biochemistry courses through either the Department of Biology or the Department of Chemistry, depending upon their major emphasis.

Biochemistry I (BIOL 446/CHEM 446) is strongly recommended for pre-medicine and pre-dentistry students as well as for chemistry and biology majors.

Major in Biochemistry, Bachelor of Science (519)

Program Requirements (60 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major in biochemistry requires a minimum of 60 semester hours and leads to a Bachelor of Science degree. This sequence of required chemistry and biology courses along with elective courses from biology, chemistry, agriculture, and physics offers the student a unique opportunity for interdisciplinary training.

Code	Title	Hours
Required Courses		
CHEM 120	College Chemistry I	3
CHEM 121	College Chemistry I Laboratory	2
CHEM 222	College Chemistry II	3
CHEM 223	College Chemistry II Laboratory	2
CHEM 330	Quantitative Analysis	5
CHEM 340	Organic Chemistry I	3
CHEM 341	Organic Chemistry Laboratory I	2
CHEM 342	Organic Chemistry II	3
CHEM 343	Organic Chemistry II Laboratory	2
BIOL 120	Biological Concepts: Cells Metabolism and Genetics	3
BIOL 121	Biological Concepts: Cells, Metabolism, and Genetics Lab	1

BIOL 122	Biological Concepts: Evolution, Diversity, and Ecology	3
BIOL 123	Biological Concepts: Evolution, Diversity, and Ecology Lab	1
BIOL 319	Introduction to Molecular and Cell Biology	3
BIOL 322	Introduction to Molecular and Cell Biology Laboratory	1
BIOL 411	Cell Biology	3
BIOL/CHEM 446	Biochemistry I	3
BIOL/CHEM 447	Biochemistry Laboratory	2
BIOL/CHEM 467	Biochemistry II	3

Electives

Select at least 12 hours of the following courses:		12
BIOL 212	Genome Discovery Exploration	
BIOL 222	Plant Biology and Diversity	
BIOL 223	Plant Biology and Diversity Lab	
BIOL 224	Animal Biology and Diversity	
BIOL 225	Animal Biology and Diversity Lab	
BIOL 226	Microbial Biology and Diversity	
BIOL 227	Microbial Biology and Diversity Lab	
BIOL 312	Bioinformatics	
BIOL 316	Evolution: Theory and Process	
BIOL 327	Genetics	
BIOL 337	Genetics Laboratory	
BIOL 328	Immunology	
BIOL 330	Animal Physiology	
BIOL 331	Animal Physiology Laboratory	
BIOL 335	Neurobiology	
BIOL 350	Introduction to Recombinant Genetics	
BIOL 382	Introductory Biostatistics	
BIOL 399	Research Problems in Biology	
BIOL 400	Plant Physiology	
BIOL 403	Molecular Basis of Cancer	
BIOL 404	Techniques and Theory of Electron Microscopy	
BIOL 407	Virology	
BIOL 412	Cell Biology Laboratory	
BIOL 420	Introduction to Toxicology	
BIOL 440	Developmental Genetics	
BIOL 450	Recombinant Gene Technology	
BIOL 464	Endocrinology	
BIOL 475	Selected Topics in Biology	
BIOL 495	Molecular Genetics	
BIOL 496	Plant Biotechnology	
CHEM 320	Inorganic Chemistry I	
CHEM 399	Research Problems in Chemistry	
CHEM 420	Inorganic Chemistry II	
CHEM 430	Forensic Chemistry	
CHEM 435	Instrumental Analysis	
CHEM 412		
CHEM 450	Physical Chemistry I	

CHEM 451	Physical Chemistry I Laboratory
CHEM 452	Physical Chemistry II
CHEM 453	Physical Chemistry II Laboratory
CHEM 462	Bioinorganic Chemistry
CHEM 475	Selected Topics in Chemistry
AGRO 320	Crop Physiology
AGRO 350	Soils
AGRO 351	Soils Laboratory
AGRO 352	Soil Fertility and Fertilizers
AGRO 409	Weed Science
AGRO 410	Weed Science Laboratory
AGRO 452	Soil Microbiology
AGRO 455	Soil Chemistry
AGRO 456	Soil Chemistry Laboratory
ANSC 344	Physiology and Anatomy of Domestic Animals
ANSC 345	Principles of Animal Nutrition
ANSC 437	Physiology of Reproduction in Domestic Animals
ANSC 438	Physiology of Reproduction in Domestic Animal Laboratory
ANSC 448	Animal Feeds and Feeding Practices
AGRI 399	Research Problems in Agriculture
PHYS 335	General Biophysics
PHYS 431	Radiation Biophysics

Total Hours **60**

Additional Courses (12-14 Hours)

Code	Title	Hours
MATH 136	Calculus I	4
Select one of the following groups:		
PHYS 231 & PHYS 232 & PHYS 233 & PHYS 332	Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I and Laboratory for Physics and Biophysics II and Introduction to Physics and Biophysics II	8
PHYS 255 & PHYS 256 & PHYS 265 & PHYS 266	University Physics I and University Physics I Lab and University Physics II and University Physics II Laboratory	10

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
BIOL 120 & BIOL 121		4 BIOL 122 & BIOL 123	4
CHEM 120 & CHEM 121		5 CHEM 222 & CHEM 223	5
ENG 100		3 MATH 136	4
COMM 145		3 HIST 101 or HIST 102	3
	15		16

Second Year

Fall	Hours	Spring	Hours
CHEM 330		5 BIOL 319 & BIOL 322	4
PHYS 231 & PHYS 232		4 CHEM 340 & CHEM 341	5
ENG 200		3 PHYS 332 & PHYS 233	4
Colonnade - Social & Behavioral Science		3 Colonnade - Arts & Humanities	3
	15		16

Third Year

Fall	Hours	Spring	Hours
CHEM 342 & CHEM 343		5 BIOL 446	3
Biochemistry Elective		3 BIOL 447	2
Colonnade - Writing in the Disciplines		3 BIOL 411	3
World Language or Elective		3 Biochemistry Elective	3
		Colonnade - Social & Cultural	3
	14		14

Fourth Year

Fall	Hours	Spring	Hours
BIOL 399 or CHEM 399		3 BIOL 467	3
Biochemistry Elective		3 Elective	3
Biochemistry Elective		3 Elective	3
Colonnade - Local to Global		3 Elective	3
Colonnade - Systems		3 Elective	3
	15		15

Total Hours 120

Department of Agriculture and Food Science

Dr. Fredrick DeGraves, Chair

Environmental Sciences & Technology Building

Office 269

Phone: 270-745-3151; Fax: 270-745-5972

Website: <http://www.wku.edu/agriculture> (<http://www.wku.edu/agriculture/>)

The complexity of the technological and financial structure of modern agriculture has made education increasingly important. It has also brought about a need for personnel to fill positions in various businesses and professions which support agriculture.

Processing and marketing of agricultural products and supplying agricultural chemicals, machinery, seed, feed, and other products require research, sales, and service personnel who have met specific educational requirements. Governmental agencies that conduct research, extension, advisory, and regulatory activities are staffed by highly trained agricultural personnel.

The Department of Agriculture and Food Science strives to fill the needs of both the student who requires general technical knowledge for production agriculture and the student who needs more specialized training to pursue one of many careers. This is accomplished by offering specific curricula with enough flexibility to allow specialization within the curriculum.

Many students studying agriculture have urban backgrounds and lack farm experiences. The Department of Agriculture and Food Science uses the University Farm and the Agricultural Exposition Center as integral parts of its laboratory and classroom instructional program to provide practical experiences. Internships and cooperative work experiences are encouraged for all students.

To complete the 120 semester hours required for a Bachelor of Science degree in agriculture, students must complete the basic curriculum and one of the concentrations. The basic curriculum includes the Colonnade Program and specialty support requirements as well as basic professional courses in agriculture. These concentrations are agribusiness, agricultural education, agronomy (plant science or soil science), animal science, horse science, dairy science, general agriculture, turf and golf course management, horticulture, pre-veterinary medicine, and pre-forestry. These concentrations allow students to vary their course selection to better meet their particular area of interest. The student, in consultation with an assigned advisor, will choose specific courses in addition to the basic curriculum.

When planning a program of study, students should be aware of the University academic requirements and regulations contained in this catalog in the chapter "Academic Information." Specific attention should be given to the subsections in the chapter entitled (a) Academic Programs, (b) Colonnade Requirements, and (c) Academic Requirements and Regulations. Students should be aware that some academic programs may include additional scholastic regulations and standards not specified in the catalog. To obtain a copy of these regulations, students should contact the department chair.

Agriculture majors who follow the listed guidelines can graduate in 4 years (8 semesters) or less.

Guidelines

1. Be advised by an assigned faculty advisor in the Department of Agriculture and Food Science each semester and enroll in the courses decided upon at the advising session.
2. Excluding remedial classes, receive a passing grade for an average of 15 hours per semester for 8 semesters with a minimum 2.0 GPA and a minimum total of 120 hours, including 42 or more hours upper-division (300- and 400-level) courses. Complete the Colonnade Program requirements of the department and the university. Note specific required mathematics, biology, and chemistry courses.
3. Deviation from any of these conditions might lead to the need for additional hours/courses and/or semester in order to graduate.

Degrees

- Agriculture, Bachelor of Science (508) (p. 264)
- Agriculture, Bachelor of Science (605) (p. 274)

Minors

- Agriculture, Minor (308) (p. 275)
- Floristry, Minor (369) (p. 275)

Certificates

- Floristry, Certificate (1769) (p. 275)

Faculty Professor

Becky A. Gilfillen PhD (Plant and Soil Science), University of Tennessee, Knoxville, 1999

William T. William PhD (Plant & Soil Science), University of Tennessee, Knoxville, 1995

Paul B. Woosley PhD (Crop Science), University of Kentucky, 2002

Associate Professor

Fred J. DeGraves PhD (Veterinary Medical Sciences, Animal Science), North Carolina State University, 1991

Jean D. Gumirakiza PhD (Economics), Utah State University, 2013

Stephen A. King PhD (Agricultural Economics), Oklahoma State University Main Campus, 2004

Thomas W. Kingery PhD (Agricultural Leadership, Education, & Communications), Texas A & M University, 2010

Martin J. Stone PhD (Agronomy), Texas A & M University, 1994

Assistant Professor

Phillip A. Gunter PhD (Animal Sciences), Auburn University, 2018

Luiz H. Pereira Silva PhD (Animal Science), Foreign College/University, 2018

William D. Strunk PhD, University of Arkansas Main Campus, 2015

Clinical Assistant Professor

Roger L. Dennis MAE (Agriculture Education, Secondary Education), Western Kentucky University, 1992

Instructor I

Cris E. Scudder MS (Agricultural Mechanization), University of Missouri-Columbia, 1989

Paige A. Smith MS (Agriculture), Western Kentucky University, 2017

Teacher Certification in Agricultural Education

Numerous job opportunities are available for students who have completed certification for teaching agriculture education in public schools at the middle or secondary level. A 2.5 minimum grade point average in agriculture, the Colonnade Program, and professional education is required for admission to teacher education. Students desiring to become certified to teach agriculture education in Kentucky public schools are required to have a minimum of 50 hours in agriculture including:

Code	Title	Hours
Select 6 hours of plant/horticulture science courses		6
Select 6 hours of animal science courses		6
AGMC 170 & AGMC 171	Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory	3
AGMC 371 & AGMC 372	Agricultural Mechanics and Agricultural Mechanics Laboratory	3
AGEC 360	Agricultural Economics	3
AGEC 361	Farm Management	3
Select 6 hours of soil sciences courses		6
Select one of the following:		3
CSCI 145C	Introduction to Computing	
CIS 141	Analytics and Technology	

AGED/EDU 250	Introduction to Teacher Education in Agriculture ¹	3
PSY 310	Educational Psychology: Development and Learning ¹	3
SPED 330	Introduction to Exceptional Education: Diversity in Learning ¹	3
AGRI 398	Seminar ¹	1
AGED 470	Methods of Teaching in Agricultural Education ²	3
AGED 471	Organization and Planning in Agricultural Education ²	3
EDU 489	Student Teaching Seminar ³	2,3
LTCY 421	Content Area Reading in the Middle and Secondary Grades	3
SEC 490	Student Teaching ³	5-10
Total Hours		59-65

¹ Students must complete course before the fall semester of the senior year.

² Taught the fall semester.

³ Completed the student teaching semester, usually the spring semester.

Teachers hired in other states may be required to have other professional education coursework according to local regulations.

Agriculture, Bachelor of Science (508)

Program Coordinator

William T. Willian, todd.willian@wku.edu, (270) 745-5969

The major in agriculture (508) consists of several concentrations allowing students to specialize in areas of interest such as agronomy, agribusiness, agricultural education, agricultural systems, animal science, dairy science, horticulture, horse science, and turf and golf course management.

Concentrations

- Agribusiness (AGBU)
- Agriculture Education (AGED)
- Agronomy Plant (AGPS)
- Agronomy Soil (AGSS)
- Animal Science (AGAS)
- Horse Science (AGHS)
- Dairy Science (AGDS)
- General Agriculture (AGGA)
- Horticulture (AGHO)
- Turf & Golf Course Management (AGTG)
- Agriculture Systems (AGSY)

Program Requirements (50-80 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

This major in agriculture requires a minimum of 50-80 semester hours in agriculture and leads to a Bachelor of Science degree. Electives are chosen from agriculture courses focusing on a concentration, when approved by an assigned advisor, complete the minimum total of 50-80 semester hours in agriculture. No other minor or major is required for the student following the curriculum for this major in agriculture. At least half of the semester hours in the major must be in courses numbered 300 or above. All students must take the following courses outside of the major.

Required Courses Outside of the Major

Code	Title	Hours
Mathematics Course		
MATH 115	Applied College Algebra (or higher) ¹	3
Chemistry Courses		
Select two of the following:		6
CHEM 105	Fundamentals of General Chemistry	
CHEM 107	Fundamentals of Organic Chemistry	
CHEM 120	College Chemistry I	
CHEM 222	College Chemistry II	
Chemistry Labs		
Select two hours of the following:		2
CHEM 106	Fundamentals of General Chemistry Laboratory	
CHEM 108	Fundamentals of Organic Chemistry Laboratory	
CHEM 121	College Chemistry I Laboratory	
CHEM 223	College Chemistry II Laboratory	
Biology Course and Lab ²		
BIOL 120	Biological Concepts: Cells Metabolism and Genetics	3
BIOL 121	Biological Concepts: Cells, Metabolism, and Genetics Lab	1
Total Hours		15

¹ Students focusing in Pre-Veterinary Medicine must take MATH 116 or higher.

² Students pursuing the Horticulture Concentration may take BIOL 120 and BIOL 121 or BIOL 122 and BIOL 123.

The following courses are required for each concentration:

Agribusiness Concentration

Code	Title	Hours
Basic Agriculture Courses		
AGRO 110	Introduction to Plant Science	3
ANSC 140	Introduction to Animal Science	3
AGEC 160	Introduction to Agribusiness and Agricultural Entrepreneurship	3
AGMC 170 & AGMC 171	Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory	3

AGRI 175	University Experience – Agriculture	1
AGMC 176	Agriculture Safety	2
AGRI 291	Introduction to Data Analysis and Interpretation	3
or AGRI 491	Data Analysis and Interpretation	
Select one of the following:		3
AGRO 320	Crop Physiology	
ANSC 345	Principles of Animal Nutrition	
AGEC 360	Agricultural Economics	
AGMC 326	Precision Agriculture	
AGRO 350	Soils	3
AGRI 397	Agriculture Career Planning	1
AGRI 398	Seminar	1
AGRI 494	Contemporary Agricultural Issues	3
Agribusiness Courses		
AGEC 261	Agricultural Accounting	3
MGT 210	Organization and Management	3
MKT 220	Basic Marketing Concepts	3
AGEC 361	Farm Management	3
AGEC 362	Agricultural Marketing	3
AGEC 463	Agriculture Finance	3
Agribusiness Elective		
Select one of the following:		3
AGEC 366	Agricultural Sales and Services	
AGEC 460	Agricultural Policy	
AGEC 461	Advanced Farm Management	
AGEC 468	World Food Development	
AGRI 369	Cooperative Education in Agriculture II	
Total Hours		50

Agricultural Education Concentration

Code	Title	Hours
Basic Agriculture Courses		
AGRO 110	Introduction to Plant Science	3
ANSC 140	Introduction to Animal Science	3
AGEC 160	Introduction to Agribusiness and Agricultural Entrepreneurship	3
AGMC 170 & AGMC 171	Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory	3
AGMC 171	Introduction to Agricultural Mechanization Laboratory	1
AGRI 175	University Experience – Agriculture	1
AGMC 176	Agriculture Safety	2
AGRI 291	Introduction to Data Analysis and Interpretation	3
or AGRI 491	Data Analysis and Interpretation	
Select one of the following:		3
AGRO 320	Crop Physiology	
ANSC 345	Principles of Animal Nutrition	
AGEC 360	Agricultural Economics	

AGMC 326	Precision Agriculture	
AGRO 350	Soils	3
AGRI 397	Agriculture Career Planning	1
AGRI 494	Contemporary Agricultural Issues	3
Teacher Certification Requirements		
AGED 250	Introduction to Teacher Education in Agriculture ¹	3
or EDU 250	Discover Teaching: Introduction to Teacher Education	
PSY 310	Educational Psychology: Development and Learning ¹	3
EDU 260	Classroom Assessment	3
EDU 350	Student Diversity and Differentiation	3
EDU 360	Behavior and Classroom Management in Education	3
EDU 489	Student Teaching Seminar	2,3
AGED 200	Foundations of Agricultural Education	1
AGED 300	Youth Development for Agricultural Educators	3
AGED 470	Methods of Teaching in Agricultural Education	3
AGED 471	Organization and Planning in Agricultural Education	3
AGMC 371	Agricultural Mechanics	1
AGMC 372	Agricultural Mechanics Laboratory	2
HORT 316	Greenhouse Maintenance and Operation	2
HORT 317	Greenhouse Maintenance and Operation Laboratory	1
SPED 330	Introduction to Exceptional Education: Diversity in Learning	3
AGRI 398	Seminar	1
SEC 490	Student Teaching	10
Total Hours		76-77

¹ Courses require a grade of C or better.

Agriculture Systems Concentration

Code	Title	Hours
Basic Agriculture Courses		
AGRO 110	Introduction to Plant Science	3
ANSC 140	Introduction to Animal Science	3
AGEC 160	Introduction to Agribusiness and Agricultural Entrepreneurship	3
AGMC 170 & AGMC 171	Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory	3
AGRI 175	University Experience – Agriculture	1
AGMC 176	Agriculture Safety	2
AGRI 291	Introduction to Data Analysis and Interpretation	3
or AGRI 491	Data Analysis and Interpretation	

Select one of the following: 3

AGRO 320	Crop Physiology	
ANSC 345	Principles of Animal Nutrition	
AGEC 360	Agricultural Economics	
AGMC 326	Precision Agriculture	
AGRO 350	Soils	3
AGRI 397	Agriculture Career Planning	1
AGRI 398	Seminar	1
AGRI 494	Contemporary Agricultural Issues	3
Agriculture Systems Courses		
AGMC 172 & AGMC 173	Lawn and Garden Equipment and Lawn and Garden Equipment Laboratory	3
AGMC 373 & AGMC 374	Farm Power—Mechanical and Machinery and Farm Power—Mechanical and Machinery Laboratory	3
AGMC 377 & AGMC 378	Farm Machinery and Farm Machinery Laboratory	3
AGMC 425	Applied Hydraulics and Pneumatics	3
AGEC 366	Agricultural Sales and Services	3
MFGE 227	Introduction to Manufacturing Methods	3

Agriculture Systems Elective

Select 3 credit hours from any AGECE, AGED, AGMC, AGRI, AGRO, ANSC, or HORT course 3

Total Hours 50**Agronomy (Plant Science) Concentration**

Code	Title	Hours
Basic Agriculture Courses		
AGRO 110	Introduction to Plant Science	3
ANSC 140	Introduction to Animal Science	3
AGEC 160	Introduction to Agribusiness and Agricultural Entrepreneurship	3
AGMC 170 & AGMC 171	Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory	3
AGRI 175	University Experience – Agriculture	1
AGMC 176	Agriculture Safety	2
AGRI 291	Introduction to Data Analysis and Interpretation	3
or AGRI 491	Data Analysis and Interpretation	

Select one of the following courses: 3

AGRO 320	Crop Physiology	
ANSC 345	Principles of Animal Nutrition	
AGEC 360	Agricultural Economics	
AGMC 326	Precision Agriculture	
AGRO 350	Soils	3
AGRI 397	Agriculture Career Planning	1
AGRI 398	Seminar	1
AGRI 494	Contemporary Agricultural Issues	3

Agronomy – Plant Science Courses

Select 18 hours from following courses: 18

AGRO 310	Pest Management	
AGRO 352	Soil Fertility and Fertilizers	
AGEC 361	Farm Management	
AGRI 355	Biotechnology in Agriculture	
AGRO 409	Weed Science	
AGRO 410	Weed Science Laboratory	
AGRO 414	Crop Improvement	
AGRO 418	Plant Pathology	
AGRO 420	Forage Crops	
AGRO 421	Forage Crops Laboratory	
AGRO 422	Field Crops	

Agronomy Elective

Select one of the following courses: 3

AGRI 315	Water in Food Production	
AGRO 452	Soil Microbiology	
AGRO 454	Soil Management and Conservation	
AGRO 457	Soil Formation, Classification and Mapping	
AGRO 458	Soil Formation, Classification and Mapping Laboratory	
AGRI 493	Sustainable Agriculture	

Required Laboratory Courses

AGRO 351	Soils Laboratory	1
AGRO 111	Plant Science Laboratory	1

Total Hours 52**Agronomy (Soil Science) Concentration**

Code	Title	Hours
Basic Agriculture Courses		
AGRO 110	Introduction to Plant Science	3
ANSC 140	Introduction to Animal Science	3
AGEC 160	Introduction to Agribusiness and Agricultural Entrepreneurship	3
AGMC 170 & AGMC 171	Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory	3
AGRI 175	University Experience – Agriculture	1
AGMC 176	Agriculture Safety	2
AGRI 291	Introduction to Data Analysis and Interpretation	3
or AGRI 491	Data Analysis and Interpretation	

Select one of the following: 3

AGRO 320	Crop Physiology	
ANSC 345	Principles of Animal Nutrition	
AGEC 360	Agricultural Economics	
AGMC 326	Precision Agriculture	
AGRO 350	Soils	3
AGRI 397	Agriculture Career Planning	1
AGRI 398	Seminar	1
AGRI 494	Contemporary Agricultural Issues	3

Required Agronomy Courses

AGRO 351	Soils Laboratory	1
Select four of the following courses:		10-11
AGRO 352	Soil Fertility and Fertilizers	
AGRO 452	Soil Microbiology	
AGRO 454	Soil Management and Conservation	
AGRO 455 & AGRO 456	Soil Chemistry and Soil Chemistry Laboratory	
AGRO 457 & AGRO 458	Soil Formation, Classification and Mapping and Soil Formation, Classification and Mapping Laboratory	
Select two of the following courses:		4-6
AGRO 310	Pest Management	
AGRO 409 & AGRO 410	Weed Science and Weed Science Laboratory	
AGRO 414	Crop Improvement	
AGRO 420 & AGRO 421	Forage Crops and Forage Crops Laboratory	
AGRO 422	Field Crops	
Total Hours		44-47

Animal Science Concentration

Code	Title	Hours
Basic Agriculture Courses		
AGRO 110	Introduction to Plant Science	3
ANSC 140	Introduction to Animal Science	3
AGEC 160	Introduction to Agribusiness and Agricultural Entrepreneurship	3
AGMC 170 & AGMC 171	Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory	3
AGRI 175	University Experience – Agriculture	1
AGMC 176	Agriculture Safety	2
AGRI 291	Introduction to Data Analysis and Interpretation	3
or AGRI 491	Data Analysis and Interpretation	
Select one of the following:		3
AGRO 320	Crop Physiology	
ANSC 345	Principles of Animal Nutrition	
AGEC 360	Agricultural Economics	
AGMC 326	Precision Agriculture	
AGRO 350	Soils	3
AGRI 397	Agriculture Career Planning	1
AGRI 398	Seminar	1
AGRI 494	Contemporary Agricultural Issues	3
Beef or Swine Courses		
Select one of the following:		3
ANSC 442 & ANSC 443	Beef Production and Beef Production Laboratory	
ANSC 444 & ANSC 445	Swine Production and Swine Production Laboratory	
Animal Science Courses		

ANSC 141	Introduction to Animal Science Laboratory	1
ANSC 240	Livestock Management	2
ANSC 241	Livestock Management Laboratory	1
ANSC 338	Introductory Livestock Evaluation and Selection	3
ANSC 340	Meats and Meat Products	3
ANSC 344	Physiology and Anatomy of Domestic Animals	3
ANSC 347	Animal Pathology	3
ANSC 437	Physiology of Reproduction in Domestic Animals	2
ANSC 438	Physiology of Reproduction in Domestic Animal Laboratory	1
ANSC 446	Animal Breeding	2
ANSC 447	Animal Breeding Laboratory	1
ANSC 448	Animal Feeds and Feeding Practices	4
Total Hours		58

Dairy Science Concentration

Code	Title	Hours
Basic Agriculture Courses		
AGRO 110	Introduction to Plant Science	3
ANSC 140	Introduction to Animal Science	3
AGEC 160	Introduction to Agribusiness and Agricultural Entrepreneurship	3
AGMC 170 & AGMC 171	Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory	3
AGRI 175	University Experience – Agriculture	1
AGMC 176	Agriculture Safety	2
AGRI 291	Introduction to Data Analysis and Interpretation	3
or AGRI 491	Data Analysis and Interpretation	
Select one of the following:		3
AGRO 320	Crop Physiology	
ANSC 345	Principles of Animal Nutrition	
AGEC 360	Agricultural Economics	
AGMC 326	Precision Agriculture	
AGRO 350	Soils	3
AGRI 397	Agriculture Career Planning	1
AGRI 398	Seminar	1
AGRI 494	Contemporary Agricultural Issues	3
Dairy Science Courses		
ANSC 141	Introduction to Animal Science Laboratory	1
ANSC 240	Livestock Management	2
ANSC 241	Livestock Management Laboratory	1
ANSC 338	Introductory Livestock Evaluation and Selection	3
ANSC 340	Meats and Meat Products	3

ANSC 344	Physiology and Anatomy of Domestic Animals	3
ANSC 347	Animal Pathology	3
ANSC 431	Dairy Production	2
ANSC 432	Dairy Production Laboratory	1
ANSC 437	Physiology of Reproduction in Domestic Animals	2
ANSC 438	Physiology of Reproduction in Domestic Animal Laboratory	1
ANSC 446	Animal Breeding	2
ANSC 447	Animal Breeding Laboratory	1
ANSC 448	Animal Feeds and Feeding Practices	4

Total Hours **58**

General Agriculture Concentration

Code	Title	Hours
Basic Agriculture Courses		
AGRO 110	Introduction to Plant Science	3
ANSC 140	Introduction to Animal Science	3
AGEC 160	Introduction to Agribusiness and Agricultural Entrepreneurship	3
AGMC 170 & AGMC 171	Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory	3
AGRI 175	University Experience – Agriculture	1
AGMC 176	Agriculture Safety	2
AGRI 291	Introduction to Data Analysis and Interpretation	3
or AGRI 491	Data Analysis and Interpretation	
Select one of the following:		3
AGRO 320	Crop Physiology	
ANSC 345	Principles of Animal Nutrition	
AGEC 360	Agricultural Economics	
AGMC 326	Precision Agriculture	
AGRO 350	Soils	3
AGRI 397	Agriculture Career Planning	1
AGRI 398	Seminar	1
AGRI 494	Contemporary Agricultural Issues	3
Agriculture Courses		
Select 21 hours in any AGECE, AGED, AGMC, AGRI, AGRO, ANSC, or HORT courses		21
Total Hours		50

Horticulture Concentration

Code	Title	Hours
Basic Agriculture Courses		
AGRO 110	Introduction to Plant Science	3
ANSC 140	Introduction to Animal Science	3
AGEC 160	Introduction to Agribusiness and Agricultural Entrepreneurship	3

AGMC 170 & AGMC 171	Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory	3
AGRI 175	University Experience – Agriculture	1
AGMC 176	Agriculture Safety	2
AGRI 291	Introduction to Data Analysis and Interpretation	3
or AGRI 491	Data Analysis and Interpretation	

Select one of the following: 3

AGRO 320	Crop Physiology	
ANSC 345	Principles of Animal Nutrition	
AGEC 360	Agricultural Economics	
AGMC 326	Precision Agriculture	
AGRO 350	Soils	3
AGRI 397	Agriculture Career Planning	1
AGRI 398	Seminar	1
AGRI 494	Contemporary Agricultural Issues	3

Horticulture Courses		
HORT 301	Introduction to Landscape Plants	2
HORT 302	Introduction to Landscape Plants Laboratory	1
HORT 313	Turfgrass Management	3
HORT 316	Greenhouse Maintenance and Operation	2
HORT 317	Greenhouse Maintenance and Operation Laboratory	1
HORT 407	Plant Propagation	2
HORT 408	Plant Propagation Laboratory	1
AGRI 369	Cooperative Education in Agriculture II	3
AGRO 351	Soils Laboratory	1

Electives		
Any HORT, AGRO, AGECE, or AGRI courses		5

Total Hours **50**

Horse Science Concentration

Code	Title	Hours
Basic Agriculture Courses		
AGRO 110	Introduction to Plant Science	3
ANSC 140	Introduction to Animal Science	3
AGEC 160	Introduction to Agribusiness and Agricultural Entrepreneurship	3
AGMC 170 & AGMC 171	Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory	3
AGRI 175	University Experience – Agriculture	1
AGMC 176	Agriculture Safety	2
AGRI 291	Introduction to Data Analysis and Interpretation	3
or AGRI 491	Data Analysis and Interpretation	
Select one of the following:		3
AGRO 320	Crop Physiology	

ANSC 345	Principles of Animal Nutrition	
AGEC 360	Agricultural Economics	
AGMC 326	Precision Agriculture	
AGRO 350	Soils	3
AGRI 397	Agriculture Career Planning	1
AGRI 398	Seminar	1
AGRI 494	Contemporary Agricultural Issues	3
Horse Science Courses		
ANSC 141	Introduction to Animal Science Laboratory	1
ANSC 240	Livestock Management	2
ANSC 241	Livestock Management Laboratory	1
ANSC 330	Horse Production	2
ANSC 331	Horse Production Laboratory	1
ANSC 338	Introductory Livestock Evaluation and Selection	3
ANSC 340	Meats and Meat Products	3
ANSC 344	Physiology and Anatomy of Domestic Animals	3
ANSC 347	Animal Pathology	3
ANSC 437	Physiology of Reproduction in Domestic Animals	2
ANSC 438	Physiology of Reproduction in Domestic Animal Laboratory	1
ANSC 446	Animal Breeding	2
ANSC 447	Animal Breeding Laboratory	1
ANSC 448	Animal Feeds and Feeding Practices	4
Total Hours		58

Turf and Golf Course Management

Code	Title	Hours
Basic Agriculture Courses		
AGRO 110	Introduction to Plant Science	3
ANSC 140	Introduction to Animal Science	3
AGEC 160	Introduction to Agribusiness and Agricultural Entrepreneurship	3
AGMC 170 & AGMC 171	Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory	3
AGRI 175	University Experience – Agriculture	1
AGMC 176	Agriculture Safety	2
AGRI 291	Introduction to Data Analysis and Interpretation	3
or AGRI 491	Data Analysis and Interpretation	
Select one of the following:		3
AGRO 320	Crop Physiology	
ANSC 345	Principles of Animal Nutrition	
AGEC 360	Agricultural Economics	
AGMC 326	Precision Agriculture	
AGRO 350	Soils	3
AGRI 397	Agriculture Career Planning	1
AGRI 398	Seminar	1

AGRI 494	Contemporary Agricultural Issues	3
Turf and Golf Course Management Courses		
HORT 313	Turfgrass Management	3
AGMC 272	Turf Equipment Management and Operation	2
AGMC 273	Turf Equipment Management and Operation Laboratory	1
AGMC 392	Turf Irrigation	2
AGMC 393	Turf Irrigation Laboratory	1
AGRI 369	Cooperative Education in Agriculture II	3
Select 9 hours from the following:		9
HORT 301	Introduction to Landscape Plants	
HORT 302	Introduction to Landscape Plants Laboratory	
HORT 304	Landscape Maintenance	
HORT 305	Landscape Maintenance Laboratory	
HORT 340	Greenhouse Crop Production	
HORT 407	Plant Propagation	
HORT 408	Plant Propagation Laboratory	
HORT 475	Selected Topics in Agriculture	
AGEC 260	Golf Course Management	
AGMC 172	Lawn and Garden Equipment	
AGMC 173	Lawn and Garden Equipment Laboratory	
AGMC 270	Turf Mowing Equipment Maintenance	
AGMC 271	Turf Mowing Equipment Maintenance Laboratory	
AGMC 371	Agricultural Mechanics	
AGMC 372	Agricultural Mechanics Laboratory	
AGRO 310	Pest Management	
AGRO 351	Soils Laboratory	
AGRO 352	Soil Fertility and Fertilizers	
AGRO 409	Weed Science	
AGRO 410	Weed Science Laboratory	
AGRO 418	Plant Pathology	
Total Hours		50

Finish in Four Plans

Agribusiness

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 COMM 145	3
MATH 115		3 AGRI 108	3
AGEC 160		3 AGRO 110	3
CHEM 105 & CHEM 106		4 CHEM 107 & CHEM 108	4
AGRI 175		1 Colonnade - Arts & Humanities	3
AGMC 176		2	
		16	16

Second Year

Fall	Hours	Spring	Hours
ENG 200		3 World Language Requirement or General Elective	3
AGMC 170 & AGMC 171		3 AGRI 291	3
BIOL 120 & BIOL 121		4 HIST 101 or HIST 102	3
ECON 202		3 MGT 210	3
AGEC 261		3 MKT 220	3
		16	15

Third Year

Fall	Hours	Spring	Hours
ENG 300		3 AGECE 468 (or other AGECE Elective)	3
AGRO 350		3 ANSC 140	3
AGEC 360		3 AGECE 361	3
Colonnade - Social & Cultural		3 Agriculture upper-division Elective	3
General Elective		3 Colonnade - Local to Global	3
		15	15

Fourth Year

Fall	Hours	Spring	Hours
AGECE 362		3 AGRI 398	1
AGECE 460 (or other AGECE Elective)		3 AGECE 463	3
AGRI 494		3 Agriculture upper-division Elective	3
AGRI 397		1 Agriculture upper-division Elective	3
Colonnade - Systems		3 Agriculture upper-division Elective	3
		Agriculture upper-division Elective	1
		13	14

Total Hours 120

Agriculture Systems**First Year**

Fall	Hours	Spring	Hours
ENG 100		3 COMM 145	3
MATH 115		3 AGECE 160	3
CHEM 105 & CHEM 106		4 ANSC 140	3
AGMC 170 & AGMC 171		3 CHEM 107 & CHEM 108	4
AGRI 175		1 HIST 101 or HIST 102	3
AGMC 176		2	
		16	16

Second Year

Fall	Hours	Spring	Hours
ENG 200		3 AGRI 291	3
AGRO 110		3 AGMC 326	3
BIOL 120 & BIOL 121		4 Colonnade: Social & Behavioral Science	3
AGMC 172 & AGMC 173		3 Colonnade: Arts & Humanities	3
AGRO 350 & AGRO 351		4 World Language Requirement, if needed, OR General Elective	3
		17	15

Third Year

Fall	Hours	Spring	Hours
MFGE 227		3 AGRI 398	1
AGMC 425		3 AGECE 366	3
ENG 300		3 AGMC 377 & AGMC 378	3
Colonnade: Connections (Social & Cultural)		3 AGRI 397	1
Agriculture Elective		3 Agriculture Elective	3
		Agriculture Elective	3
		15	14

Fourth Year

Fall	Hours	Spring	Hours
AGRI 369		1-4 AGRI 494	3
Agriculture Elective		3 AGMC 373 & AGMC 374	3
Agriculture Elective		3 Agriculture Elective	3
Agriculture Elective		3 Colonnade: Connections (Systems)	3
Colonnade: Connections (Local to Global)		3	
		15	12

Total Hours 120

Agricultural Education**First Year**

Fall	Hours	Spring	Hours
ENG 100		3 ENG 200	3
Colonnade - Social & Behavioral		3 AGED 250	3
ANSC 140		3 AGRO 110	3
AGRI 175		1 COMM 145	3
AGED 200		1 AGMC 170 & AGMC 171	3
Colonnade - Arts & Humanities		3	
AGMC 176		2	
		16	15

Second Year

Fall	Hours	Spring	Hours
MATH 115 (or higher)		3 AGED 300	3
AGRI 398		1 AGED 489	3
EDU 260		3 AGECE 160	3
HORT 316 & HORT 317		3 CHEM 107 & CHEM 108	4
CHEM 105 & CHEM 106		4 AGRO 320, ANSC 345, AGECE 360, or AGMC 326	3
World Language Requirement or General Elective		3	
		17	16

Third Year

Fall	Hours	Spring	Hours
HIST 101 or HIST 102		3	3
PSY 310		3 SPED 330	3
AGRI 291		3 AGRO 350	3
ENG 300		3 EDU 360	3
BIOL 120 & BIOL 121		4 AGED 471	3

EDU 350	3	Colonnade - Social & Cultural	3
		19	18

Fourth Year

Fall	Hours	Spring	Hours
AGED 470	3	EDU 489	3
Colonnade - Systems	3	SEC 490	10
AGMC 371 & AGMC 372	3		
AGRI 397	1		
AGRI 494	3		
Colonnade - Local to Global	3		
		16	13

Total Hours 130**Agronomy - Plant Science****First Year**

Fall	Hours	Spring	Hours
ENG 100	3	COMM 145	3
MATH 115	3	CHEM 107 & CHEM 108	4
CHEM 105 & CHEM 106	4	AGEC 160	3
AGRO 110 & AGRO 111	4	ANSC 140	3
AGRI 175	1	HIST 101 or HIST 102	3
AGMC 176	2		
		17	16

Second Year

Fall	Hours	Spring	Hours
ENG 200	3	World Language Requirement or General Elective	3
AGMC 170 & AGMC 171	3	AGRO 310	3
BIOL 120 & BIOL 121	4	AGRI 291	3
Colonnade - Social & Behavioral Sciences	3	AGRO 320	3
AGRO 350 & AGRO 351	4	AGRI 397	1
		Colonnade - Arts & Humanities	3
		17	16

Third Year

Fall	Hours	Spring	Hours
ENG 300	3	Agriculture upper-division Elective	3
Colonnade - Social & Cultural	3	AGRI 398	1
AGMC 326	3	AGRO 422	3
AGRO 352	3	AGRO 452	3
AGRO 409 & AGRO 410	3	Agriculture upper-division Elective	3
		15	13

Fourth Year

Fall	Hours	Spring	Hours
Colonnade - Local to Global	3	AGRI 494	3
AGRO 418	3	AGRI 355	3
AGRI 369	2	Agriculture upper-division Elective	3
AGRI 369	3	Colonnade - Systems	3

AGRI 493	3
14	12

Total Hours 120**Agronomy - Soil Science****First Year**

Fall	Hours	Spring	Hours
ENG 100	3	COMM 145	3
CHEM 105 & CHEM 106	4	AGRI 108	3
AGRO 110	3	CHEM 107 & CHEM 108	4
AGRI 175	1	MATH 115	3
AGMC 170 & AGMC 171	3	AGMC 176	2
		14	15

Second Year

Fall	Hours	Spring	Hours
ENG 200	3	ANSC 140	3
BIOL 120 & BIOL 121	4	AGRI 291	3
Colonnade - Social & Behavioral Sciences	3	AGRO 320	3
Colonnade - Arts & Humanities	3	AGRI 397	1
AGRO 350 & AGRO 351	4	HIST 101 or HIST 102	3
		World Language Requirement or General Elective	3
		17	16

Third Year

Fall	Hours	Spring	Hours
ENG 300	3	AGRI 398	1
Colonnade - Social & Cultural	3	AGRO 454	3
AGRO 352	3	Agronomy Plant Elective	3
AGEC 160	3	Colonnade - Local to Global	3
Agronomy Plant Elective	3	Agriculture upper-division Elective	3
		15	13

Fourth Year

Fall	Hours	Spring	Hours
AGRO 457 & AGRO 458	3	AGRI 494	3
Colonnade - Systems	3	AGRO 452	3
Agriculture Elective	3	Agriculture Elective	3
Agriculture Elective	3	Agriculture Elective	3
Agriculture Elective	3	Agriculture Elective	3
		15	15

Total Hours 120**Animal Science****First Year**

Fall	Hours	Spring	Hours
ENG 100	3	COMM 145	3
MATH 115	3	AGRI 108	3
CHEM 105 & CHEM 106	4	AGRO 110	3
ANSC 140 & ANSC 141	4	CHEM 107 & CHEM 108	4

AGRI 175	1	AGMC 176	2
	15		15
Second Year			
Fall	Hours	Spring	Hours
ENG 200		3 World Language Requirement or General Elective	3
AGMC 170 & AGMC 171		3 AGRI or ANSC Elective	3
ANSC 240 & ANSC 241		3 AGRI 291	3
BIOL 120 & BIOL 121		4 Colonnade - Arts & Humanities	3
Colonnade - Social & Behavioral Sciences		3 ENG 300	3
	16		15
Third Year			
Fall	Hours	Spring	Hours
HIST 101 or HIST 102		3 AGRI 398	1
AGRO 350		3 ANSC 446 & ANSC 447 (or ANSC Production Course or ANSC Elective)	3
ANSC 345		3 AGECE 160	3
ANSC 340 (or ANSC Production Course or ANSC Elective)		3 Colonnade - Social & Cultural	3
AGRI or ANSC Elective		3 Colonnade - Local to Global	3
		ANSC Elective	3
	15		16
Fourth Year			
Fall	Hours	Spring	Hours
AGRI 397		1 AGRI 494	3
ANSC 437		2 ANSC 446 & ANSC 447 (or ANSC Production Course or ANSC Elective)	3
ANSC 340 (or ANSC Production Course or ANSC Elective)		3 ANSC 448	4
Colonnade - Systems		3 Animal Science Elective	3
AGRI or ANSC Elective		3 Animal Science Elective	3
	12		16

Total Hours 120

General Agriculture

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 COMM 145	3
MATH 115		3 AGRI 108	3
ANSC 140		3 AGRO 110	3
CHEM 105 & CHEM 106		4 CHEM 107 & CHEM 108	4
AGRI 175		1 Colonnade - Arts & Humanities	3
AGMC 176		2	
	16		16
Second Year			
Fall	Hours	Spring	Hours
ENG 200		3 World Language Requirement or General Elective	3

AGECE 160	3	AGRI 291	3
BIOL 120 & BIOL 121	4	HIST 101 or HIST 102	3
Colonnade - Social & Behavioral	3	ENG 300	3
		AGRO 320, ANSC 345, AGECE 360, or AGMC 326	3
	13		15
Third Year			
Fall	Hours	Spring	Hours
Colonnade - Social & Cultural		3 AGRI 397	1
AGRO 350		3 ANSC Elective	3
AGMC 170 & AGMC 171		3 AGRO or HORT Elective	3
Animal Sciences Elective		3 AGECE Elective	3
Agriculture Elective		3 Agriculture Elective	3
		AGMC Elective	3
	15		16
Fourth Year			
Fall	Hours	Spring	Hours
AGRI 398		1 AGRI 494	3
AGECE Elective		3 AGRO or HORT Elective	3
Agriculture Elective		3 Agriculture Elective	3
Agriculture Elective		3 Agriculture Elective	3
Agriculture Elective		1 Colonnade - Systems	3
Colonnade - Local to Global		3	
	14		15

Total Hours 120

Horticulture

First Year			
Fall	Hours	Spring	Hours
AGRO 110 & AGRO 111		4 COMM 145	3
MATH 115		3 ANSC 140	3
Colonnade - Arts & Humanities		3 AGMC 170 & AGMC 171	3
ENG 100		3 CHEM 105 & CHEM 106	4
AGRI 175		1 World Language Requirement or General Elective	3
AGMC 176		2	
	16		16
Second Year			
Fall	Hours	Spring	Hours
CHEM 107 & CHEM 108		4 AGRO 320	3
BIOL 122 & BIOL 123		4 AGRO 350 & AGRO 351	4
HORT 301 & HORT 302		3 Horticulture Elective	3
HIST 101 or HIST 102		3 ENG 200	3
Colonnade - Social & Behavioral		3	
	17		13
Third Year			
Fall	Hours	Spring	Hours
HORT 316 & HORT 317		3 AGECE 160	3

HORT 313	3 Colonnade - Social & Cultural	3
Horticulture Elective	3 Horticulture Elective	3
Agriculture Elective	3 AGRI 108	3
ENG 300	3 AGRI 369	2
	15	14

Fourth Year

Fall	Hours	Spring	Hours
AGRI 397		1 AGRI 398	1
AGRI 491 or AGRI 291		3 BIOL 348	4
AGRI 494		3 HORT 407 & HORT 408	3
Horticulture Elective		3 Horticulture Elective	3
Horticulture Elective		3 Colonnade - Systems	3
Colonnade - Local to Global		3	
	16		14

Total Hours 121**Horse Science****First Year**

Fall	Hours	Spring	Hours
ENG 100		3 COMM 145	3
MATH 115		3 AGRI 108	3
CHEM 105 & CHEM 106		4 AGRO 110	3
ANSC 140 & ANSC 141		4 CHEM 107 & CHEM 108	4
AGRI 175		1 AGMC 176	2
	15		15

Second Year

Fall	Hours	Spring	Hours
ENG 200		3 World Language Requirement or General Elective	3
AGMC 170 & AGMC 171		3 ANSC 130 & ANSC 131	3
ANSC 240 & ANSC 241		3 AGRI 291	3
BIOL 120 & BIOL 121		4 Colonnade - Arts & Humanities	3
Colonnade - Social & Behavioral		3 ENG 300	3
	16		15

Third Year

Fall	Hours	Spring	Hours
HIST 101 or HIST 102		3 AGRI 398	1
AGRO 350		3 ANSC 344	3
ANSC 330 & ANSC 331		3 AGECE 160	3
ANSC 345		3 ANSC 333 & ANSC 334	3
ANSC 232		2 Colonnade - Social & Cultural	3
AGRI 369		1 Colonnade - Local to Global	3
	15		16

Fourth Year

Fall	Hours	Spring	Hours
AGRI 397		1 AGRI 494	3
ANSC 437 & ANSC 438		3 ANSC 446 & ANSC 447	3
Animal/Equine Science Elective		3 ANSC 448	4

Colonnade - Systems	3 Animal/Equine Science Elective	3
AGRI 369	2 Animal/Equine Science Elective	3
	12	16

Total Hours 120**Turf and Golf Course Management****First Year**

Fall	Hours	Spring	Hours
ENG 100		3 COMM 145	3
MATH 115		3 AGMC 176	2
CHEM 105 & CHEM 106		4 AGMC 170 & AGMC 171	3
AGRO 110 & AGRO 111		4 CHEM 107 & CHEM 108	4
AGRI 175		1 Colonnade - Arts & Humanities	3
	15		15

Second Year

Fall	Hours	Spring	Hours	Summer	Hours
ENG 200		3 World Language Requirement or General Elective		3 AGMC 172 & AGMC 173	3
ANSC 140		3 AGRI 291	3		
BIOL 120 & BIOL 121		4 AGRO 320	3		
Colonnade - Social & Behavioral		3 HIST 101 or HIST 102	3		
AGECE 260		3 ENG 200	3		
	16		15		3

Third Year

Fall	Hours	Spring	Hours
Colonnade - Social & Cultural		3 AGRI 397	1
AGRO 350 & AGRO 351		4 AGMC 270 & AGMC 271	3
AGECE 160		3 AGMC 272 & AGMC 273	3
Colonnade - Local to Global		3 Elective Course (AGRI/HORT/AGECE/AGRO)	3
HORT 313		3 HORT 301 & HORT 302	3
	16		13

Fourth Year

Fall	Hours	Spring	Hours
AGRI 398		1 AGRI 494	3
AGMC 392 & AGMC 393		3 Elective Course (AGRI/HORT/AGECE/AGRO)	3
Elective Course (AGRI/HORT/AGECE/AGRO)		3 Elective Course (AGRI/HORT/AGECE/AGRO)	3
Colonnade - Local to Global		3 Elective Course (AGRI/HORT/AGECE/AGRO)	3

AGRI 369	2 AGMC 371 & AGMC 372	3
	12	15
Total Hours 120		

Agriculture, Bachelor of Science (605)

The Department of Agriculture and Food Science offers this major (605) that couples with a required second major or minor outside the department. The major requires completion of a minimum of 33 credit hours in Agriculture; suitable courses in an additional major or minor should be completed to total at least 54 credit hours. The major also requires specified support courses in the disciplines of Biology, Chemistry, and Mathematics.

Program Requirements (33 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

This major in agriculture requires completion of a minimum of 33 semester hours and leads to a Bachelor of Science degree. These hours must be taken in approved agriculture courses and a suitable major or minor(s) in other departments must be earned to total at least 54 approved semester hours.

Required Courses

Code	Title	Hours
AGRO 110	Introduction to Plant Science	3
ANSC 140	Introduction to Animal Science	3
AGEC 160	Introduction to Agribusiness and Agricultural Entrepreneurship	3
AGMC 170	Introduction to Agricultural Mechanization	2
AGMC 171	Introduction to Agricultural Mechanization Laboratory	1
AGRI 175	University Experience – Agriculture	1
AGRI 291	Introduction to Data Analysis and Interpretation	3
or AGRI 491	Data Analysis and Interpretation	
AGRO 350	Soils	3
AGRI 397	Agriculture Career Planning	1
AGRI 398	Seminar	1
AGRI 494	Contemporary Agricultural Issues	3
Select 9 credit hours from any AGECE, AGED, AGMC, AGRI, AGRO, ANSC, or HORT courses		9

Additional Required Courses

Code	Title	Hours
Mathematics Course		
Select one of the following: ¹		3
MATH 115	Applied College Algebra	
MATH 116	College Algebra	
Chemistry Courses		
Select two of the following:		6
CHEM 105	Fundamentals of General Chemistry	
CHEM 107	Fundamentals of Organic Chemistry	
CHEM 120	College Chemistry I	
CHEM 222	College Chemistry II	
Chemistry Labs		
Select two of the following:		2-4
CHEM 106	Fundamentals of General Chemistry Laboratory	
CHEM 108	Fundamentals of Organic Chemistry Laboratory	
CHEM 121	College Chemistry I Laboratory	
CHEM 223	College Chemistry II Laboratory	
Biology Course and Lab		
BIOL 120	Biological Concepts: Cells Metabolism and Genetics	
BIOL 121	Biological Concepts: Cells, Metabolism, and Genetics Lab	
Total Hours		15-17

¹ Students focusing in Pre-Veterinary Medicine must take MATH 116 or higher

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 COMM 145	3
MATH 115 or MATH 116		3 AGRO 110	3
ANSC 140		3 CHEM 107	3
CHEM 105		3 CHEM 108	1
CHEM 106		1 Colonnade - Arts & Humanities	3
AGRI 175		1 Agriculture Elective	3
		14	16
Second Year			
Fall	Hours	Spring	Hours
ENG 200		3 World Language Requirement or General Elective	3
BIOL 120		3 AGRI 291 or AGRI 491	3
BIOL 121		1 HIST 101 or HIST 102	3
Colonnade - Social & Behavioral		3 Minor Course	3
AGMC 170		2 AGECE 160	3
AGMC 171		1	
Minor Course		3	
		16	15
Third Year			
Fall	Hours	Spring	Hours
Colonnade - Social & Cultural		3 AGRI 397	1
AGRO 350		3 Agriculture Elective	3

Agriculture Elective	3 Minor Course	3
Minor Course	3 Minor Course	3
Minor Course	3 General Elective	3
	ENG 300	3
	15	16

Fourth Year			
Fall	Hours	Spring	Hours
AGRI 398		1 AGRI 494	3
Colonnade - Local to Global		3 Colonnade - Systems	3
Agriculture Elective		3 Minor Course	3
Minor Course		3 Minor Course	3
Minor Course		3 General Elective	3
Agriculture Elective		3	
	16		15

Total Hours 123

Agriculture, Minor (308)

Program Requirements (21 hours)

Code	Title	Hours
AGRI 494	Contemporary Agricultural Issues	3
AGRO 110	Introduction to Plant Science	3
ANSC 140	Introduction to Animal Science	3
Select one of the following:		3
AGEC 360	Agricultural Economics	
AGRO 320	Crop Physiology	
AGRO 350	Soils	
ANSC 345	Principles of Animal Nutrition	
Select 9 hours of Agriculture electives at the 300-level or above		9
Total Hours		21

Floristry, Certificate (1769)

The Floristry certificate is meant to enhance majors such as business, horticulture, hospitality management, hotel restaurant management, and interior design. Students who elect the Floristry certificate will develop the skills needed to establish and manage a retail floral business, with emphasis on logistics, resources, marketing and risk management. This certificate will also be an encouragement for related industry to have an educational outlet for themselves and employees.

Program Requirements (15 hours)

Code	Title	Hours
HORT 209	Floral Design	3
HORT 309	Advanced Floral Design	3
HORT 330	Wedding Floral Design	3
HORT 340	Greenhouse Crop Production	3
HORT 420	Floral Shop Management	3
Total Hours		15

Floristry, Minor (369)

Program Requirements (21 hours)

The minor in floristry requires 21 hours and is meant to enhance majors such as business, horticulture, hospitality management, hotel restaurant management, and interior design. Students who elect the minor in floristry will develop skills needed to establish and manage a retail floral business, with emphasis on logistics, resources, marketing and risk management.

Code	Title	Hours
HORT 209	Floral Design	3
HORT 309	Advanced Floral Design	3
HORT 312	Introduction to Horticulture	3
HORT 316	Greenhouse Maintenance and Operation	2
HORT 317	Greenhouse Maintenance and Operation Laboratory	1
HORT 330	Wedding Floral Design	3
HORT 340	Greenhouse Crop Production	3
HORT 420	Floral Shop Management	3
Total Hours		21

Department of Biology

Dr. Michael Smith, Chair

Kelly Thompson Hall, Office 3035

Phone: 270-745-2405; Fax: 270-745-6856

Website: <http://www.wku.edu/biology> (<http://www.wku.edu/biology/>)

Students interested in biology are presented with a variety of dynamic educational opportunities. These opportunities, involving diverse biological subdisciplines from molecules to ecosystems, challenge the students of biology in one of the most exciting eras of human history. The Department of Biology is dedicated to producing well-informed, scientifically literate graduates capable of applying the knowledge and skills acquired to ensure professional success and lifelong learning.

Undergraduate students collaborate with biology faculty on an array of interesting research topics. By applying what they have learned from time in the classroom to their involvement with research projects, students can more smoothly make the transition to professional and graduate programs and the work force. Modern classrooms and research laboratories, and the Potter-Nicely Outdoor Education Center and Green River Preserve provide outstanding settings for student research. The Biology Department is also proud to house the Biotechnology Center, Center for Biodiversity Studies, and Applied Center for Data Science. The centers are integral components of the WKU Applied Research and Technology Program, a state-funded program of distinction.

When planning a program of study in the Department of Biology each student must be aware of the University's academic requirements and regulations contained in this catalog in the section, "Academic Information." Specific attention should be given to the subsections entitled:

1. Academic Programs
2. Colonnade Requirements
3. Academic Requirements and Regulations

Students should be aware that some academic programs may require additional scholastic requirements and standards not specified in the catalog. To obtain a copy of these requirements, students should contact the department chair. We offer four options for a B.S. degree: A Biology major without a minor (reference number 525), a Biology major with a minor (reference number 617), a Biochemistry major (reference number 519), a Molecular Biotechnology major (reference number 714), and a Medical Laboratory Science major (reference number 5004). Each is described below along with our minor in Biology, Joint Undergraduate-Master's Program (JUMP), Teaching Certifications, and other Special Programs.

Secondary Teaching Certification in Biology

Students who wish to be certified to teach high school biology must complete both the major in Biology (reference number 525 or 617) and the major in Science and Mathematics Education (reference number 774), offered in the School of Teacher Education. Interested students should contact the SKyTeach Office, Kelly Thompson Hall 1011A, 270-745-3900.

Middle Grades Science Certification

Students who wish to teach middle school science must complete both the major in Middle School Science Education (reference number 734), offered by Ogden College and SKyTeach, and the major in Science and Mathematics Education (reference number 774), offered in the School of Teacher Education. Interested students should contact the SKyTeach Office, Kelly Thompson Hall 1011A, 270-745-3900.

Other Department Programs

Several other biologically oriented, specialized programs are available such as biophysics and environmental science, as well as several pre-professional programs. Specific details of these programs are listed under Pre-Professional and Interdisciplinary Programs.

Degrees

- Biochemistry, Bachelor of Science (519) (p. 260)
- Biology, Bachelor of Science (525) (p. 276)
- Biology, Bachelor of Science (617) (p. 278)
- Medical Laboratory Science, Bachelor of Science (5004) (p. 280)
- Molecular Biotechnology, Bachelor of Science (738) (p. 282)

Minor

- Biology, Minor (326) (p. 280)

Professor

Carl W. Dick PhD (Zoology), Texas Tech University, 2005
 Robert U. Fischer PhD, University of South Carolina - Columbia, 1994
 Scott A. Grubbs PhD (Biological Sciences, Ecology and Evolution), University of Pitts Pittsburgh Camp, 1997
 Stephen H. Huskey PhD (Biological Sciences), Florida Institute Technology, 2003
 Jarrett R. Johnson PhD (Biology), University of Missouri-Columbia, 2005
 Rodney A. King PhD (Microbiology and Immunology), Virginia Commonwealth University, 1993
 Douglas McElroy PhD (Zoology), University of Maine - Orono, 1992
 Albert J. Meier PhD (Zoology), University of Georgia, 1995

Thomas K. Philips PhD (Entomology), The Ohio State University Main Campus, 1997

Bruce A. Schulte PhD (Environmental and Forest Biology), SUNY Col Envrmntl Sci-Forestry, 1993

Michael E. Smith PhD (Marine Science), University of Texas at Austin, 2001

Ajay Srivastava PhD (Molecular Biology and Genetics), University of Alberta, 2003

Michael K. Stokes PhD (Biology, Systematics and Ecology), University of Kansas Main Campus, 1994

Associate Professor

Noah T. Ashley PhD (Zoology), University of Washington, 2004

Chandranth Emani PhD (Science), Osmania University, 1997

Philip W. Lienesch PhD (Zoology), University of Oklahoma Norman, 1997

Assistant Professor

Simran Banga PhD (Biological Sciences), Purdue University Main Campus, 2009

Hilary R. Katz PhD (Integrative Biology), University of Chicago, 2018

Joseph R. Marquardt PhD (Molecular Genetics), The Ohio State University Main Campus, 2017

Pedagogical Associate Professor

Kerrie L. McDaniel PhD (Plant Biology), Southern Illinois University Carbondale, 1997

Pedagogical Assistant Professor

Natalie J. Mountjoy PhD (Zoology), Southern Illinois University, 2014

Instructor II

Michael W. Killen PhD (Microbiology), University of Kentucky, 2011

Senior Instructor

Nilesh C. Sharma PhD (Science/Botany), Birhar University-India, 1992

Biology, Bachelor of Science (525)

Program Coordinator

Michael E. Smith, michael.smith1@wku.edu, (270) 745-2405

The major in biology (525) does not require a second major or minor. Students complete a range of biology courses and are able to participate in research projects to ease the transition into the workplace.

Students who wish to be certified to teach high school biology must complete both the major in Biology (reference number 617) with a Teacher Education concentration (TCHR) and the major in Science and Mathematics Education (reference number 774), offered in the School of Teacher Education. Interested students should contact the SKyTeach Office, Kelly Thompson Hall 1011A, 270-745-3900.

Program Requirements (48 hours)

This option for a major in biology requires a minimum of 48 hours in biology with 24 hours at the 300 or higher level. No minor is required. A range of upper level courses are available in ecology and evolutionary biology, molecular and cellular biology, plant biology, animal biology, and microbiology.

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/>

colonnade/colonnaderequirements.php. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
Required Courses		
BIOL 120 & BIOL 121	Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab ¹	4
BIOL 122 & BIOL 123	Biological Concepts: Evolution, Diversity, and Ecology and Biological Concepts: Evolution, Diversity, and Ecology Lab ¹	4
BIOL 489	Professional Aspects of Biology	1
Restricted Electives *		
Select one of the following:		
BIOL 222 & BIOL 223	Plant Biology and Diversity and Plant Biology and Diversity Lab	4
BIOL 224 & BIOL 225	Animal Biology and Diversity and Animal Biology and Diversity Lab	4
BIOL 226 & BIOL 227	Microbial Biology and Diversity and Microbial Biology and Diversity Lab	4
Select one of the following:		
BIOL 319 & BIOL 322	Introduction to Molecular and Cell Biology and Introduction to Molecular and Cell Biology Laboratory	4
BIOL 327 & BIOL 337	Genetics and Genetics Laboratory	4
Select one of the following:		
BIOL 315 or BIOL 316	Ecology Evolution: Theory and Process	3
Laboratory Experience Courses *		
Select five of the following:		
BIOL 212	Genome Discovery Exploration	
BIOL 312	Bioinformatics	
BIOL 321	Comparative Anatomy	
BIOL 322	Introduction to Molecular and Cell Biology Laboratory	
BIOL 324	Histology	
BIOL 325	Insect Biodiversity	
BIOL 328	Immunology	
BIOL 331	Animal Physiology Laboratory	
BIOL 337	Genetics Laboratory	
BIOL 348	Plant Taxonomy	
BIOL 350	Introduction to Recombinant Genetics	
BIOL 355	Ecology Lab	
BIOL 356	Ornithology Lab	
BIOL 400	Plant Physiology	
BIOL 404	Techniques and Theory of Electron Microscopy	
BIOL 405	Aquatic Insect Diversity	
BIOL 412	Cell Biology Laboratory	

BIOL 447	Biochemistry Laboratory
BIOL 450	Recombinant Gene Technology
BIOL 456	Ichthyology
BIOL 457	Herpetology
BIOL 458	Fisheries Management
BIOL 460	Parasitology
BIOL 470	Pathogenic Microbiology
BIOL 485	Field Biology
BIOL 496	Plant Biotechnology
BIOL 497	Aquatic Field Ecology
Science Process Courses *	
Select one of the following:	
BIOL 212	Genome Discovery Exploration
BIOL 312	Bioinformatics
BIOL 331	Animal Physiology Laboratory
BIOL 350	Introduction to Recombinant Genetics
BIOL 355	Ecology Lab
BIOL 397	Scientific Process
BIOL 404	Techniques and Theory of Electron Microscopy
BIOL 407	Virology
BIOL 412	Cell Biology Laboratory
BIOL 456	Ichthyology
BIOL 457	Herpetology
BIOL 470	Pathogenic Microbiology
BIOL 495	Molecular Genetics
BIOL 496	Plant Biotechnology
BIOL 497	Aquatic Field Ecology
HON 404	Honors Thesis / Project II
Elective Course Work ^{2*}	

¹ Must complete with a grade of "C" or better.

² Elective Coursework:

- In consultation with their advisor, students select majors-level coursework to obtain a minimum of 48 credits total, provided that at least 24 hours total are upper division courses.
- Students may count up to 6 credit hours of a combination of BIOL 369 and/or BIOL 399, and up to 4 credits of BIOL 485 toward this major.

* The following BIOL courses will not count towards the BIOL electives nor the Biology major requirements: BIOL 113, BIOL 114, BIOL 131, BIOL 231, BIOL 207, BIOL 208, BIOL 295, BIOL 303, BIOL 318, BIOL 390.

Supporting Courses

Because an understanding of the principles of subjects outside of biology, in particular agriculture, chemistry, geography and geology, mathematics, physics and sociology is essential to the study of biology; majors are required to complete support courses.

Code	Title	Hours
MATH 116	College Algebra	3
MATH 117 or MATH 136	Trigonometry Calculus I	3

CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	5
Select one of the following:		3
Select one of the following:		4
PHYS 231 & PHYS 232	Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I	
PHYS 255 & PHYS 256	University Physics I and University Physics I Lab	
Select two of the following:		6
AGRO 350	Soils	
BIOL 382	Introductory Biostatistics	
CHEM 222 & CHEM 223	College Chemistry II and College Chemistry II Laboratory	
CHEM 340 & CHEM 341	Organic Chemistry I and Organic Chemistry Laboratory I	
BDAN 305	Principles of MIS with Spreadsheets	
CS 146	Introduction to Programming	
GISC 316	Fundamentals of GIS	
GISC 317	Geographic Information Systems	
MATH 136	Calculus I	
MATH 137	Calculus II	
SOCL 302	Social Research Methods	

Total Hours **24**

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
BIOL 120 & BIOL 121		4 BIOL 122 & BIOL 123	4
MATH 116 (or higher)		3 MATH 117 (or higher)	3
ENG 100		3 CHEM 120 & CHEM 121	5
Colonnade - Explorations		3 Colonnade - Explorations	3
		13	15

Second Year			
Fall	Hours	Spring	Hours
BIOL 222 & BIOL 223 (or BIOL 224/225 or BIOL 226/227)		4 BIOL 319 & BIOL 322 (or BIOL 327/337)	4
BIOL Science Supporting Course		4 ENG 200	3
HIST 101 or HIST 102		3 BIOL Science Supporting Course	4
BIOL upper-division Elective with lab		4 BIOL upper-division Elective with lab	4
		15	15

Third Year			
Fall	Hours	Spring	Hours
BIOL 315 or BIOL 316		3 BIOL upper-division Elective with lab	4
COMM 145		3 BIOL upper-division Elective with lab	4
Colonnade - Explorations		3 BIOL upper-division Elective	3
Colonnade - Explorations		3 Colonnade - Writing in the Disciplines	3

BIOL upper-division Elective with lab	4 Colonnade - Explorations	3
		16
		17

Fourth Year			
Fall	Hours	Spring	Hours
BIOL 489		1 BIOL upper-division Elective	4
BIOL upper-division Elective		4 BIOL upper-division Elective	4
Colonnade - Connections		3 BIOL upper-division Elective	4
World Language or Elective		3 Colonnade - Connections	3
BIOL Process Elective (see Biology advisor)		3	
		14	15

Total Hours 120

Biology, Bachelor of Science (617)

Program Coordinator

Michael E. Smith, michael.smith1@wku.edu, (270) 745-2405

The major in biology (617) gives students an opportunity to take basic biology courses and couple the major with a second major or minor. In addition to coursework, students may work with faculty on research projects to gain experience for the workforce.

Students who wish to be certified to teach high school biology must complete both the major in Biology (reference number 617) with a Teacher Education concentration (TCHR) and the major in Science and Mathematics Education (reference number 774), offered in the School of Teacher Education. Interested students should contact the SKyTeach Office, Kelly Thompson Hall 1011A, 270-745-3900.

Concentrations

- Teacher Education (TCHR)

Program Requirements (36 hours)

This option for a major in biology requires a minimum of 36 semester hours in biology with 18 hours at the 300 or higher level plus the requirements of a minor area or a second major. The major-minor / second major combination must be at least 54 total hours with 48 unduplicated hours.

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
Required Courses		
BIOL 120 & BIOL 121	Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab ¹	4

BIOL 122 & BIOL 123	Biological Concepts: Evolution, Diversity, and Ecology and Biological Concepts: Evolution, Diversity, and Ecology Lab ¹	4
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BIOL 489	Professional Aspects of Biology	1
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Restricted Electives *

Select one of the following:		4
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BIOL 222 & BIOL 223	Plant Biology and Diversity and Plant Biology and Diversity Lab	
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BIOL 224 & BIOL 225	Animal Biology and Diversity and Animal Biology and Diversity Lab	
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BIOL 226 & BIOL 227	Microbial Biology and Diversity and Microbial Biology and Diversity Lab	
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Select one of the following:		4
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BIOL 319 & BIOL 322	Introduction to Molecular and Cell Biology and Introduction to Molecular and Cell Biology Laboratory	
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BIOL 327 & BIOL 337	Genetics and Genetics Laboratory	
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Select one of the following:		3
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BIOL 315 or BIOL 316	Ecology Evolution: Theory and Process	
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Laboratory Experience Courses *

Select three of the following:		
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BIOL 212	Genome Discovery Exploration	
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BIOL 312	Bioinformatics	
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BIOL 321	Comparative Anatomy	
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BIOL 322	Introduction to Molecular and Cell Biology Laboratory	
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BIOL 324	Histology	
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BIOL 325	Insect Biodiversity	
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BIOL 328	Immunology	
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BIOL 331	Animal Physiology Laboratory	
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BIOL 337	Genetics Laboratory	
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BIOL 348	Plant Taxonomy	
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BIOL 350	Introduction to Recombinant Genetics	
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BIOL 355	Ecology Lab	
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BIOL 356	Ornithology Lab	
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BIOL 400	Plant Physiology	
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BIOL 404	Techniques and Theory of Electron Microscopy	
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BIOL 405	Aquatic Insect Diversity	
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BIOL 412	Cell Biology Laboratory	
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BIOL 447	Biochemistry Laboratory	
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BIOL 450	Recombinant Gene Technology	
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BIOL 456	Ichthyology	
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BIOL 457	Herpetology	
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BIOL 458	Fisheries Management	
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BIOL 460	Parasitology	
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BIOL 470	Pathogenic Microbiology	
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BIOL 485	Field Biology	
BIOL 496	Plant Biotechnology	
BIOL 497	Aquatic Field Ecology	

Science Process Courses *

Select one of the following:

BIOL 212	Genome Discovery Exploration	
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BIOL 312	Bioinformatics	
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BIOL 331	Animal Physiology Laboratory	
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BIOL 350	Introduction to Recombinant Genetics	
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BIOL 355	Ecology Lab	
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BIOL 397	Scientific Process	
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BIOL 404	Techniques and Theory of Electron Microscopy	
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BIOL 407	Virology	
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BIOL 412	Cell Biology Laboratory	
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BIOL 456	Ichthyology	
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BIOL 457	Herpetology	
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BIOL 470	Pathogenic Microbiology	
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BIOL 495	Molecular Genetics	
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BIOL 496	Plant Biotechnology	
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BIOL 497	Aquatic Field Ecology	
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HON 404	Honors Thesis / Project II	
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Total Hours		20
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¹ Must complete with a grade of "C" or better.

* The following BIOL courses will not count towards the BIOL electives nor the Biology major requirements: BIOL 113, BIOL 114, BIOL 131, BIOL 231, BIOL 207, BIOL 208, BIOL 295, BIOL 303, BIOL 318, BIOL 390.

Supporting Courses

Because an understanding of the principles of subjects outside of biology, in particular agriculture, chemistry, geography and geology, mathematics, physics and sociology is essential to the study of biology, majors are required to complete supporting courses.

Code	Title	Hours
MATH 116	College Algebra	3
MATH 117 or MATH 136	Trigonometry Calculus I	3

CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	5
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Select one of the following:		4
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PHYS 231 & PHYS 232	Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I	
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PHYS 255 & PHYS 256	University Physics I and University Physics I Lab	
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Select two of the following:

AGRO 350	Soils	
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BIOL 382	Introductory Biostatistics	
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CHEM 222 & CHEM 223	College Chemistry II and College Chemistry II Laboratory	
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CHEM 330	Quantitative Analysis
CHEM 340 & CHEM 341	Organic Chemistry I and Organic Chemistry Laboratory I
BDAN 305	Principles of MIS with Spreadsheets
or CIS 226	Introduction to Visual Programming
or CS 146	Introduction to Programming
CS 146	Introduction to Programming
GISC 316	Fundamentals of GIS
GISC 317	Geographic Information Systems
MATH 136	Calculus I
MATH 137	Calculus II
PHYS 332 & PHYS 233	Introduction to Physics and Biophysics II and Laboratory for Physics and Biophysics II
or PHYS 265 & PHYS 266	University Physics II and University Physics II Laboratory
SOCL 302	Social Research Methods
Total Hours	15

In consultation with their advisor, students select majors-level coursework to obtain a minimum of 36 credits total, provided that at least 18 hours total are upper-division courses. Students may count up to 3 credit hours of a combination of BIOL 369 and/or BIOL 399, and up to 4 credit hours of BIOL 485 toward this major.

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
BIOL 120 & BIOL 121 (or BIOL 122, BIOL 123)		4 BIOL 120 & BIOL 121 (or BIOL 122, BIOL 123)	4
MATH 116 (or higher)		3 MATH 117 (or higher)	3
ENG 100		3 CHEM 120 & CHEM 121	5
HIST 101 or HIST 102		3 Course in Minor or Certificate	3
		13	15

Second Year			
Fall	Hours	Spring	Hours
BIOL 222 & BIOL 223 (or BIOL 224/225 or BIOL 226/227)		4 BIOL 319 & BIOL 322 (or BIOL 327/337)	4
Course in Minor		3 ENG 200	3
Biology Science Supporting Course with Lab		4 Biology Science supporting course with lab	4
Colonnade - Explorations		3 Colonnade - Explorations	3
Courses in Minor		3 Course in Minor or Certificate	3
		17	17

Third Year			
Fall	Hours	Spring	Hours
BIOL 315 or BIOL 316		3 BIOL upper-division Elective with lab	4
COMM 145		3 Colonnade - Explorations	3
Colonnade - Explorations		3 BIOL upper-division Elective with lab	4

BIOL upper-division Elective		4 Upper-division Course in Minor	3
Course in Minor		3 Colonnade - Writing in the Disciplines	3
		16	17
Fourth Year			
Fall	Hours	Spring	Hours
BIOL 489		1 BIOL upper-division Elective	3
Upper-division Course in Minor		3 Upper-division Course in Minor	3
Colonnade - Connections		3 Colonnade - Connections	3
World Language or Elective		3 Colonnade - Connections	3
BIOL Process Elective (see Biology advisor)		3	
		13	12

Total Hours 120

Biology, Minor (326)

Program Requirements (24 hours)

Code	Title	Hours
Required Courses:		
BIOL 120 & BIOL 121	Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab	4
BIOL 122 & BIOL 123	Biological Concepts: Evolution, Diversity, and Ecology and Biological Concepts: Evolution, Diversity, and Ecology Lab	4
1	Select additional biology courses with the aid of their advisor	16
Total Hours		24

¹ 12 hours must be at the 300 or higher level. The following BIOL courses will not count towards the BIOL electives nor the Biology minor requirements: BIOL 113, BIOL 114, BIOL 131 BIOL 231, BIOL 207, BIOL 208, BIOL 295, BIOL 303, BIOL 318, BIOL 390.

Students, with the aid of their advisor, select additional biology courses to complete the minor. Students may count up to 3 credit hours of a combination of BIOL 369 and BIOL 399 and up to 4 credit hours of BIOL 485 toward this minor.

Medical Laboratory Science, Bachelor of Science (5004)

Program Coordinator

Kerrie L. McDaniel, kerrie.mcdaniel@wku.edu, (270) 745-3696

With the aging of our population, it is estimated that health care will be a major service industry in our country. An important part of health care is Medical Laboratory Science, formally known as Medical Technology, a profession that includes well-trained, highly educated individuals who are the fact-finders of the medical world. Medical Laboratory Scientists typically analyze body fluids, examine tissues, and identify specific microorganisms to find evidence for and the cause of specific diseases such as AIDS, Diabetes, and Cancer. Some of the exciting new demands

of the profession include tissue typing for organ transplantation, chromosomal studies as a basis for genetic counseling, identification of environmental pollutants, and screening tests for accidental poisoning and drug abuse. The demand for Medical Technologists is very high. The U.S. Bureau of Labor Statistics continues to project a need for new Medical Laboratory Scientists to meet medical demands of an aging population.

Although two-thirds of Medical Laboratory Scientists work in hospital laboratories, new sources of employment include laboratories in physician's offices, research facilities in universities and industries, public health centers, and veterinary clinics.

Medical Laboratory Science program combines a minimum of three years (96 semester hours) of college courses at Western Kentucky University with a minimum of 12 calendar months (36 semester hours) of satisfactory clinical training in a school of Medical Laboratory Science (Medical Technology). This school must be approved by the Committee on Allied Health Education and Accreditation of the American Medical Association and by the medical technology coordinator at Western Kentucky University.

Coursework for this major requires a minimum of 83 hours (36 of which are completed at a Medical Laboratory Science school and transferred back to the Department of Biology) and leads to a B.S. degree in Medical Laboratory Science. No minor is required. A student must meet all of the Colonnade Requirements for the bachelor's degree at Western Kentucky University before admission to the school of medical technology. Upon satisfactory completion of the course requirements in medical laboratory science, the Bachelor of Science degree will be awarded by Western Kentucky University. Graduates of the medical laboratory science program are eligible to take national credentialing examinations for medical technologists which result in membership in the American Society of Clinical Pathologists (A.S.C.P.). The program is affiliated with the following schools of medical technology: Bellarmine University, Louisville, KY; Owensboro Medical Health System, Owensboro, KY; Vanderbilt Medical Center, Nashville, TN; and St. Elizabeth Medical Center, Covington, KY.

Program Requirements (83 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
Required Courses:		
BIOL 120 & BIOL 121	Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab	4
BIOL 122 & BIOL 123	Biological Concepts: Evolution, Diversity, and Ecology and Biological Concepts: Evolution, Diversity, and Ecology Lab	4

BIOL 224 & BIOL 225	Animal Biology and Diversity and Animal Biology and Diversity Lab	4
BIOL 226 & BIOL 227	Microbial Biology and Diversity and Microbial Biology and Diversity Lab	4
Select one of the following:		4
BIOL 319 & BIOL 322	Introduction to Molecular and Cell Biology and Introduction to Molecular and Cell Biology Laboratory	
BIOL 327 & BIOL 337	Genetics and Genetics Laboratory	
BIOL 328	Immunology	4
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	5
CHEM 222 & CHEM 223	College Chemistry II and College Chemistry II Laboratory	5
BIOL/CHEM 446	Biochemistry I	3
CHEM 340 & CHEM 341	Organic Chemistry I and Organic Chemistry Laboratory I	5
MATH 118 or MATH 116 & MATH 117	College Algebra and Trigonometry and College Algebra and Trigonometry	5
Clinical training at a Medical Laboratory School		36
Total Hours		83

More detailed information including Colonnade (general education) requirements can be obtained from the coordinator. Students must consult the coordinator regarding applying for admission to the medical technology schools. Application is made 9 to 12 months in advance of the beginning date for the medical technology school. Admission to these schools is on a competitive basis, and maintenance of a good academic standing is required. Students are required to have liability insurance for their clinical years.

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
BIOL 120 & BIOL 121		4 BIOL 122 & BIOL 123	4
MATH 116 (or higher)		3 MATH 117 (or higher)	3
ENG 100		3 Colonnade - Explorations	3
Colonnade - Explorations		3	
Colonnade - Explorations		3 CHEM 120 & CHEM 121	5
		16	15
Second Year			
Fall	Hours	Spring	Hours
BIOL 224 & BIOL 225		4 BIOL 328	4
ENG 200		3 BIOL 226 & BIOL 227	4
BIOL 327 & BIOL 337 (or BIOL 319/322)		4 COMM 145	3

BIOL upper-division Elective		3 CHEM 222 & CHEM 223		5	
Colonnade - Explorations		3 BIOL upper-division Elective		3	
		17	19		
Third Year					
Fall	Hours	Spring	Hours	Summer	Hours
CHEM 340 & CHEM 341		5 CHEM 446 or BIOL 446		3 BIOL 492	4
BIOL upper-division Elective		3 HIST 101 or HIST 102		3	
World Language or Elective		3 BIOL upper-division Elective		3	
Colonnade - Writing in the Disciplines		3 Colonnade - Connections		3	
Colonnade - Connections		3 Colonnade - Connections		3	
		17	15		4
Fourth Year					
Fall	Hours	Spring	Hours	Summer	Hours
BIOL 493		14 BIOL 494		14 BIOL 492	4
		14	14		4
Total Hours 135					

Molecular Biotechnology, Bachelor of Science (738)

Program Coordinator

Ajay Srivastava, ajay.srivastava@wku.edu, (270) 745-6008

Molecular biotechnology uses molecular and genetic tools to improve the human condition either directly through medical improvements or indirectly through improvements of the environment and agriculture. It does so through modification of nucleic acids and proteins.

The molecular biotechnology major allows students to be part of some exciting new developments like genomics, personalized medicine, cloning, organoid research, and genome editing. The skills acquired may be applied to the development of new pharmaceutical drugs or other medical products, industrial chemicals, food products, energy sources, pollution-control products, or agricultural products. Employment can be found in industry, but graduates of this program will also have the broad science training necessary to enter graduate programs.

Program Requirements (55 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

This major requires a minimum of 55 hours of molecular biotechnology – related courses in biology that involve subjects such as genome discovery, molecular biology, microbiology, bioinformatics, and research

experience or an internship, among others. At least 28 of these hours must be at the 300 or higher level. No minor is required.

Code	Title	Hours
Core Courses		
BIOL 120 & BIOL 121	Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab	4
BIOL 122 & BIOL 223	Biological Concepts: Evolution, Diversity, and Ecology and Plant Biology and Diversity Lab	4
BIOL 212	Genome Discovery Exploration	2
BIOL 226 & BIOL 227	Microbial Biology and Diversity and Microbial Biology and Diversity Lab	4
BIOL 312	Bioinformatics	4
BIOL 319 & BIOL 322	Introduction to Molecular and Cell Biology and Introduction to Molecular and Cell Biology Laboratory	4
BIOL 327 & BIOL 337	Genetics and Genetics Laboratory	4
BIOL 350	Introduction to Recombinant Genetics	3
BIOL 369 or BIOL 399	Cooperative Education in Biology Research Problems in Biology	3
BIOL 382	Introductory Biostatistics	3
BIOL 388	Contemporary Issues in Biotechnology ¹	1
BIOL 411	Cell Biology	3
BIOL 446 & BIOL 447	Biochemistry I and Biochemistry Laboratory	5
BIOL 489	Professional Aspects of Biology	1
Select 10 credit hours from the following electives:		10
BIOL 222 & BIOL 223 or BIOL 224 & BIOL 225	Plant Biology and Diversity and Plant Biology and Diversity Lab Animal Biology and Diversity and Animal Biology and Diversity Lab	
BIOL 316	Evolution: Theory and Process	
BIOL 328	Immunology	
BIOL 330	Animal Physiology	
BIOL 331	Animal Physiology Laboratory	
BIOL 335	Neurobiology	
BIOL 400	Plant Physiology	
BIOL 403	Molecular Basis of Cancer	
BIOL 404	Techniques and Theory of Electron Microscopy	
BIOL 407	Virology	
BIOL 412	Cell Biology Laboratory	
BIOL 420	Introduction to Toxicology	
BIOL 440	Developmental Genetics	
BIOL 464	Endocrinology	
BIOL 467	Biochemistry II	
BIOL 470	Pathogenic Microbiology	

BIOL 490	Plants as Alternative Therapeutics
BIOL 495	Molecular Genetics
BIOL 496	Plant Biotechnology
Total Hours	55

¹ Students must also take BIOL 388 every semester for a minimum of 5 at 0 credit hours before being able to take the course for 1 credit hour in their last semester.

Because an understanding of mathematics, chemistry, and physics is required for a full understanding of Molecular Biotechnology and because an understanding of workplace-related issues is important for a successful application of molecular biotechnology, students are required to complete the supporting courses:

Code	Title	Hours
Required Supporting Courses		
MATH 117 or MATH 136	Trigonometry Calculus I	3
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	5
CHEM 222 & CHEM 223	College Chemistry II and College Chemistry II Laboratory	5
CHEM 340 & CHEM 341	Organic Chemistry I and Organic Chemistry Laboratory I	5
PHYS 231 & PHYS 232	Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I	4
PHYS 332 & PHYS 233	Introduction to Physics and Biophysics II and Laboratory for Physics and Biophysics II	4
SEAS 371 or SEAS 390 or SEAS 430	Quality Assurance Project Management Technology Management / Supervision / Team Building	3
Total Hours		29

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
BIOL 120 & BIOL 121		4 BIOL 122 & BIOL 123	4
MATH 116 (or higher)		3 MATH 117 (or higher)	3
ENG 100		3 BIOL 312	4
BIOL 212		2 CHEM 120 & CHEM 121	5
BIOL 388*		0 BIOL 388*	0
COMM 145		3	
		15	16
Second Year			
Fall	Hours	Spring	Hours
BIOL 226 & BIOL 227		4 BIOL 319 & BIOL 322	4
BIOL 327 & BIOL 337		4 BIOL 388*	0
BIOL 388*		0 BIOL 399 & BIOL 369**	2-6

CHEM 222 & CHEM 223		5 CHEM 340 & CHEM 341		5
Colonnade - Social & Behavioral Science		3 ENG 200		3
		HIST 101 or HIST 102		3
		16		17-21
Third Year				
Fall	Hours	Spring	Hours	
BIOL 350		3 BIOL 382		3
BIOL 388*		0 BIOL 388*		0
BIOL 399 or BIOL 369		1 BIOL 399 or BIOL 369		1
CHEM 342 & CHEM 343		5 BIOL 446 & BIOL 447		5
PHYS 231 & PHYS 232		4 PHYS 332 & PHYS 233		4
Colonnade - Arts & Humanities		3 Colonnade - Writing in the Disciplines		3
		16		16
Fourth Year				
Fall	Hours	Spring	Hours	
BIOL 388*		0 BIOL 388		1
BIOL TECH Elective		3 BIOL 489		1
BIOL TECH Elective		3 BIOL 411		3
Colonnade - Connections		3 BIOL TECH Elective		3
Colonnade - Connections		3 SEAS 371, SEAS 390, or SEAS 430		3
		Colonnade - Connections		3
		12		14

Total Hours 122-126

* BIOL 388: Examination of recent advances, ethics and career opportunities in Biotechnology through discussions, seminars and field trips. All majors will take this course together every semester with credit bearing in the last semester. The course meets a few times in a semester.

** BIOL 369 or 399: Students have the opportunity to choose a 369 Cooperative Internship in place of 399 Research in Biology or take both. The internship or research course can also be taken during the summer.

Department of Chemistry

Dr. Kevin Williams, Chair

Kelly Thompson Hall, Office 4016

Phone: 270-745-3457

Website: www.wku.edu/chemistry (<http://www.wku.edu/chemistry/>)

Mission Statement

WKU Chemistry empowers students of all backgrounds to think critically about the molecular sciences and promotes a vibrant regional economy through training, public service, and industrial collaboration. We ignite a spirit of life-long learning through engaged classroom and laboratory instruction, hands-on experience in nationally recognized research, and direct mentoring by faculty. This enables our students to define their own career path and to make an impact both locally and globally.

Chemistry is often described as "The Central Science" in today's technology-driven world. Chemistry plays an important role in the research, development, and quality assurance of products and materials ranging from pharmaceuticals and polymers to ceramics and nanocomposites. Knowledge and understanding of fundamental

chemical concepts are crucial to success in professions such as medicine, pharmacy, veterinary medicine, forensic science, environmental science, engineering, medical laboratory science, physical therapy, nursing, patent and environmental law, and science education.

In order to best serve such a diverse audience, the chemistry curriculum at Western Kentucky University offers an integrated series of lectures and laboratory courses. Our courses provide students with grounding in theoretical models balanced with real-life applications and hands-on laboratory experiences. This allows students to achieve an understanding of chemical and physical phenomena at the molecular level and to develop the critical thinking skills necessary for chemical problem-solving. In addition to coursework, the Department of Chemistry provides our undergraduates with a wide variety of research opportunities from biochemistry to materials science. Research encourages students to continue building their laboratory skills and scientific knowledge while working one-on-one with a faculty member. Undergraduate research students often present their research at both regional and national professional meetings. The combination of lecture, laboratory, and one-on-one faculty interaction allows students to develop the skills necessary to be successful in their chosen profession.

As part of the educational experience, students are routinely trained in the operation of state-of-the-art instrumentation in the academic and research laboratories. The Department has extensive holdings of instrumentation, including atomic spectrometers, calorimeters, electrochemical analyzers, elemental analyzers, gas chromatographs, FTIR spectrometers, ion chromatographs, mass spectrometers, spectrofluorophotometers, UV-visible spectrophotometers, a Nd-YAG laser system, a 400 MHz nuclear magnetic resonance spectrometer, and a 90 MHz fixed magnet NMR.

Colonnade Program requirements for students majoring outside the sciences can be satisfied by CHEM 101, CHEM 109, or CHEM 111, where only one semester of chemistry is needed, or by the sequences CHEM 105/CHEM 106, CHEM 107/CHEM 108 or CHEM 120/CHEM 121, CHEM 222/CHEM 223, where two semesters of chemistry are desired.

Biochemistry courses (CHEM 446, CHEM 447, CHEM 462, and CHEM 467) are also offered as part of the curriculum. CHEM 446 is required for the major approved by the American Chemical Society. Biochemistry is also strongly recommended for pre-medicine and pre-dentistry students, and for biology majors desiring a second major in chemistry.

When planning a program of study in Chemistry, each student should be aware of the University's academic requirements and regulations contained in the "Academic Information" chapter of this catalog. Specific attention should be given to the subsections in the chapter entitled a) Academic Programs, b) Colonnade Requirements, c) Academic Requirements and Regulations. Students should be aware that some academic programs may require additional scholastic regulations and standards not specified in the catalog. To obtain a copy of these regulations, students should contact the Department Chair.

Degrees

- Biochemistry, Bachelor of Science (519) (p. 260)
- Chemistry, Bachelor of Science (623) (p. 284)

Minors

- Chemistry, Minor (335) (p. 288)

Faculty Professor

Stuart C. Burris PhD (Chemistry), North Carolina State University, 1998
 Eric D. Conte PhD (Chemistry), University of Massachusetts, 1993
 Darwin B. Dahl PhD (Chemistry), University of Missouri - Kansas City, 1987
 Ranjit Koodali PhD (Chemistry), Indian Inst of Tech-Madras, 1995
 Matthew J. Nee PhD (Chemistry), University of California-Berkeley, 2005
 Lester L. Pesterfield PhD (Chemistry), University of Tennessee, Knoxville, 1991
 Cathleen J. Webb PhD (Chemistry), University of Washington, 1989
 Kevin M. Williams PhD (Chemistry), Emory University, 2000
 Bangbo Yan PhD (Chemistry), Nanyang University, 2003
 Rui Zhang PhD (Chemistry), University of Hong Kong, 2001

Associate Professor

Moon-Soo Kim PhD (Food Science and Technology), Cornell University, 2007
 Jeremy B. Maddox PhD (Chemistry), University of Houston, 2003
 Carnteta C. Skipworth MS (Chemistry), Western Kentucky University, 2003

Assistant Professor

Lawrence J. Hill PhD (Chemistry), University of Arizona, 2014
 Lei Li PhD (Chemistry), University of Florida, 2018
 Brooke B. Williams PhD (Neuroscience), Vanderbilt University, 2010

Instructor II

Sarah J. Edwards PhD (Chemistry), PA State University Main Campus, 2010
 David E. Wolfgang PhD (Biochemistry), Cornell University, 1998

Chemistry, Bachelor of Science (623)

Program Coordinator

Kevin M. Williams, kevin.williams@wku.edu, (270) 745-8899

The major in chemistry requires a minimum of 33 semester hours and leads to the Bachelor of Science degree. Requirements of the major include selecting one of four concentrations: ACS-Approved, Foundations, General, or Teacher Certification. The ACS-Approved Concentration does not require a minor or second major and is typically for students desiring graduate education in chemistry. The Foundations Concentration requires a minor or a second major and is appropriate for a wide range of career targets. The General Concentration requires a second major and is typically chosen by those in pre-health concentrations. The Teacher Certification Concentration is for students desiring Secondary Teacher Certification and requires a second major in Science and Mathematics Education (Reference Number 774). Prior to a selection of a program of study, a student should consult with a chemistry advisor to determine the most appropriate option.

Concentrations

- ACS Approved (CHCR)
- General Chemistry (CHGC)
- Teacher Education (TCHR)
- Pre-Jump Chemistry Advising (PJMP)
- Foundations Chemistry Major (FCHM)

Program Requirements (33-53 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/

registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

ACS Approved Concentration (53 hours)

WKU is on the approved list of the Committee on Professional Training of the American Chemical Society. For the Chemistry Department to certify graduates in this concentration, the completion of a minimum of 53 hours of chemistry courses, 16-18 hours of math and science cognate courses, and the Colonnade general education courses for the Bachelor of Science is required. Required chemistry courses for the ACS Approved concentration are:

Code	Title	Hours
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	5
CHEM 222 & CHEM 223	College Chemistry II and College Chemistry II Laboratory	5
CHEM 320	Inorganic Chemistry I	3
CHEM 330	Quantitative Analysis	5
CHEM 340 & CHEM 341	Organic Chemistry I and Organic Chemistry Laboratory I	5
CHEM 342 & CHEM 343	Organic Chemistry II and Organic Chemistry II Laboratory	5
CHEM 398	Undergraduate Seminar	1
CHEM 399	Research Problems in Chemistry	2
CHEM 420 & CHEM 421	Inorganic Chemistry II and Inorganic Chemistry Laboratory	4
CHEM 435 & CHEM 436	Instrumental Analysis and Instrumental Analysis Laboratory	5
CHEM 446	Biochemistry I	3
CHEM 450 & CHEM 451	Physical Chemistry I and Physical Chemistry I Laboratory	5
CHEM 452 & CHEM 453	Physical Chemistry II and Physical Chemistry II Laboratory	5
Total Hours		53

Required Support Courses for ACS Approved Concentration (16-18 hours)¹

Code	Title	Hours
MATH 136	Calculus I	4
MATH 137	Calculus II	4
Select one series from the following:		8-10
PHYS 231 & PHYS 232 & PHYS 332 & PHYS 233	Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I and Introduction to Physics and Biophysics II and Laboratory for Physics and Biophysics II	

or

PHYS 255 & PHYS 256 & PHYS 265 & PHYS 266	University Physics I and University Physics I Lab and University Physics II and University Physics II Laboratory
Total Hours	16-18

¹ Students initially ineligible for MATH 136 should consult their academic advisor for the proper first course in mathematics. It is recommended that students in this program take MATH 237, MATH 307 and MATH 331 in addition to the minimum math requirements listed above. The University Physics track is strongly recommended for this concentration.

Foundations Concentration (37 hours)

Code	Title	Hours
Required Courses:		
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	5
CHEM 222 & CHEM 223	College Chemistry II and College Chemistry II Laboratory	5
CHEM 320	Inorganic Chemistry I	3
CHEM 330	Quantitative Analysis	5
CHEM 340 & CHEM 341	Organic Chemistry I and Organic Chemistry Laboratory I	5
CHEM 342 & CHEM 343	Organic Chemistry II and Organic Chemistry II Laboratory	5
CHEM 398	Undergraduate Seminar	1
CHEM 446	Biochemistry I	3
CHEM 450 & CHEM 451	Physical Chemistry I and Physical Chemistry I Laboratory	5
A minor or second major is required for this concentration		
Total Hours		37

Required Support Courses for the Foundations Concentration (8-9 hours)

Code	Title	Hours
MATH 136	Calculus I	4
Select one of the following course sequences:		
PHYS 231 & PHYS 232	Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I	4-5
or PHYS 255 & PHYS 256	University Physics I and University Physics I Lab	
Total Hours		8-9

General Chemistry Concentration (33 hours)

The General Chemistry Concentration is recommended for pre-health professions students majoring in chemistry and other students who desire a double major.

Code	Title	Hours
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	5
CHEM 222 & CHEM 223	College Chemistry II and College Chemistry II Laboratory	5
CHEM 330	Quantitative Analysis	5

CHEM 340 & CHEM 341	Organic Chemistry I and Organic Chemistry Laboratory I	5
CHEM 342 & CHEM 343	Organic Chemistry II and Organic Chemistry II Laboratory	5
CHEM 320 or CHEM 446	Inorganic Chemistry I Biochemistry I	3
CHEM 450 & CHEM 451	Physical Chemistry I and Physical Chemistry I Laboratory	5
A second major is required for this concentration.		
Total Hours		33

Additional Support Courses for the General Chemistry Concentration (8-9 hours)

Code	Title	Hours
MATH 136	Calculus I	4
Select one of the following sequences:		
PHYS 231 & PHYS 232	Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I	4-5
or PHYS 255 & PHYS 256	University Physics I and University Physics I Lab	
Total Hours		8-9

Chemistry Major with Teacher Certification Concentration (33 hours)

Students interested in teaching chemistry must declare a second major in Science and Mathematics Education (SMED) available through the College of Education and Behavioral Sciences.

Code	Title	Hours
Chemistry Major Requirements		
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	5
CHEM 222 & CHEM 223	College Chemistry II and College Chemistry II Laboratory	5
CHEM 320	Inorganic Chemistry I	3
CHEM 330	Quantitative Analysis	5
CHEM 340 & CHEM 341	Organic Chemistry I and Organic Chemistry Laboratory I	5
CHEM 446 & CHEM 447	Biochemistry I and Biochemistry Laboratory	5
CHEM 450 & CHEM 451	Physical Chemistry I and Physical Chemistry I Laboratory	5
Total Hours		33

Required Support Courses for Teacher Education (16 hours)

Code	Title	Hours
MATH 136	Calculus I	4
PHYS 231 & PHYS 232	Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I	4
PHYS 332 & PHYS 233	Introduction to Physics and Biophysics II and Laboratory for Physics and Biophysics II	4

GEOL 111 & GEOL 113	The Earth and The Earth Laboratory	4
Total Hours		16

SMED Major Requirements (34 hours)

Code	Title	Hours
SMED 101	Step 1: Introduction to Inquiry- Based Approaches to Teaching	3
SMED 102	Step 2: Introduction to Inquiry- Based Lesson Design	3
SMED 310	Knowing and Learning in Mathematics and Science	3
SMED 320	Classroom Interactions	3
SMED 340	Perspectives on Mathematics and Science	3
SMED 360	Research Methods for Math and Science Teachers	3
SMED 470	Project-Based Instruction	3
SMED 489	SMED Student Teaching Seminar	3
SEC 490	Student Teaching	10
Total Hours		34

Finish in Four Plans

ACS Approved Concentration

First Year			
Fall	Hours	Spring	Hours
CHEM 120 & CHEM 121		5 CHEM 222 & CHEM 223	5
MATH 136	4	MATH 137	4
ENG 100	3	COMM 145	3
Colonnade - Social & Behavioral Sciences	3	ENG 200	3
		15	15
Second Year			
Fall	Hours	Spring	Hours
CHEM 330		5 CHEM 340 & CHEM 341	5
PHYS 255 & PHYS 256		5 PHYS 265 & PHYS 266	5
CHEM 320	3	MATH 237	4
ENG 300	3		
		16	14
Third Year			
Fall	Hours	Spring	Hours
CHEM 342 & CHEM 343		5 CHEM 399	1
CHEM 398	1	CHEM 446	3
CHEM 399	1	CHEM 452 & CHEM 453	5
CHEM 450 & CHEM 451		5 Colonnade - Arts & Humanities	3
HIST 101 or HIST 102	3	Colonnade - Social & Cultural	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
CHEM 399		1 CHEM 399	1
CHEM 435 & CHEM 436		5 CHEM 420 & CHEM 421	4
Colonnade - Local to Global	3	Colonnade - Systems	3

General Elective	3 General Elective	3
General Elective	3 General Elective	4
15		15

Total Hours 120

General Concentration

First Year

Fall	Hours	Spring	Hours
CHEM 120 & CHEM 121		5 CHEM 222 & CHEM 223	5
MATH 136		4 COMM 145	3
ENG 100		3 Elective or Course in 2nd Major	3
Elective or Course in 2nd Major		3 ENG 200	3
15		14	

Second Year

Fall	Hours	Spring	Hours
CHEM 340 & CHEM 341		5 CHEM 342 & CHEM 343	5
PHYS 231 & PHYS 232		4 PHYS 332 & PHYS 233	4
ENG 300		3 HIST 101 or HIST 102	3
Elective or Course in 2nd Major		3 Elective or Course in 2nd Major	3
15		15	

Third Year

Fall	Hours	Spring	Hours
CHEM 446 or CHEM 320		3 CHEM 330	5
Elective or Course in 2nd Major		3 Colonnade - Social & Cultural	3
Colonnade - Arts & Humanities		3 Elective or Course in 2nd Major	3
Colonnade - Social & Behavioral Sciences		3 Elective or Course in 2nd Major	3
Colonnade - Natural & Physical Sciences w/ no lab		3	
15		14	

Fourth Year

Fall	Hours	Spring	Hours
CHEM 450 & CHEM 451		5 Colonnade - Systems	3
Colonnade - Local to Global		3 Elective or Course in 2nd Major	3
Elective or Course in 2nd Major		3 Elective or Course in 2nd Major	3
Elective or Course in 2nd Major		3 Elective or Course in 2nd Major	3
Elective or Course in 2nd Major		3 Elective or Course in 2nd Major	3
17		15	

Total Hours 120

Foundations Concentration

First Year

Fall	Hours	Spring	Hours
CHEM 120 & CHEM 121		5 CHEM 222 & CHEM 223	5
MATH 136		4 MATH 137	4
ENG 100		3 COMM 145	3

Elective or Course in Minor	3 ENG 200	3
15		15

Second Year

Fall	Hours	Spring	Hours
CHEM 330		5 CHEM 340 & CHEM 341	5
PHYS 255 & PHYS 256		5 PHYS 265 & PHYS 266	5
CHEM 320		3 HIST 101 or HIST 102	3
ENG 300		3 Elective or Course in Minor	3
16		16	

Third Year

Fall	Hours	Spring	Hours
CHEM 342 & CHEM 343		5 CHEM 399	3
CHEM 398		1 CHEM 446	3
Colonnade - Arts & Humanities		3 Colonnade - Social & Cultural	3
Colonnade - Social & Behavioral Sciences		3 Elective or Course in Minor	3
Colonnade - Natural & Physical Sciences w/ no lab		3 Elective or Course in Minor	3
15		15	

Fourth Year

Fall	Hours	Spring	Hours
CHEM 450 & CHEM 451		5 Colonnade - Systems	3
Colonnade - Local to Global		3 Elective or Course in Minor	3
Elective or Course in Minor		3 Elective or Course in Minor	3
Elective or Course in Minor		3 Elective or Course in Minor	3
		Elective or Course in Minor	3
14		15	

Total Hours 121

Teacher Certification Concentration

First Year

Fall	Hours	Spring	Hours
CHEM 120 & CHEM 121		5 CHEM 222 & CHEM 223	5
MATH 117		3 MATH 136	4
SMED 101		3 SMED 102	3
ENG 100		3 COMM 145	3
HIST 101 or HIST 102		3 ENG 200	3
17		18	

Second Year

Fall	Hours	Spring	Hours
CHEM 330		5 CHEM 340 & CHEM 341	5
PHYS 231 & PHYS 232		4 PHYS 332 & PHYS 233	4
SMED 310		3 SMED 340	3
SMED 320		3 ENG 300	3
15		15	

Third Year

Fall	Hours	Spring	Hours
CHEM 320		3 SMED 360	3

GEOL 111 & GEOL 113	4 CHEM 450 & CHEM 451	5
SPED 330	3 LTCY 421	3
Colonnade - Arts & Humanities	3 Colonnade - Local to Global	3
Colonnade - Social & Cultural	3	
	16	14
Fourth Year		
Fall	Hours	Spring
CHEM 446 & CHEM 447	5 SEC 490	10
SMED 470	3 SMED 489	3
Colonnade - Systems	3	
General Elective	1	
	12	13
Total Hours 120		

Chemistry, Minor (335)

Program Requirements (20 hours)

Code	Title	Hours
CHEM 120	College Chemistry I	3
CHEM 121	College Chemistry I Laboratory	2
CHEM 222	College Chemistry II	3
CHEM 223	College Chemistry II Laboratory	2
CHEM 330	Quantitative Analysis	5
CHEM 340	Organic Chemistry I	3
CHEM 341	Organic Chemistry Laboratory I	2
Total Hours		20

At least ten semester hours must be earned in courses numbered 300 and above and at least one upper-division laboratory-based course must be taken in residence at the WKU Bowling Green campus.

Department of Earth, Environmental, and Atmospheric Sciences

Dr. Leslie North, Chair

Environmental Sciences and Technology Building, Office 305

Phone: 270-745-4555

Website: <http://www.wku.edu/geoweb> (<http://www.wku.edu/geoweb/>)

The Department of Earth, Environmental, and Atmospheric Science offers three undergraduate programs and one certificate program:

- B.S. in Geological Sciences with two concentrations (Geology and Environmental Earth Science).
- B.S. in Environmental, Sustainability, and Geographic Studies.
- B.S. in Meteorology.
- Undergraduate certificate Geographic Information Systems (GIS).

These programs are designed to meet the career goals of students in a wide variety of geoscience areas such as atmospheric science, environment/sustainability, cultural/physical geography, geology, environmental earth science, and GIS-geospatial science. The Department's BS programs also provide a strong educational foundation for students interested in continuing their education in graduate school.

Descriptions and course requirements of each bachelor's program and the undergraduate certificate in GIS are found below.

A five-year bachelors/masters program (JUMP program) is available for students to graduate with a BS degree in one of the Department's undergraduate programs and a Master's degree in Geoscience. The JUMP is available so that motivated students can focus their research interests early in their program of study. The Department's JUMP allows students to earn a bachelors and Master's degree in an expedited time frame.

Degrees

- Environmental, Sustainability, and Geographic Studies, Bachelor of Science (5009) (p. 288)
- Geological Sciences, Bachelor of Science (5008) (p. 290)
- Meteorology, Bachelor of Science (578) (p. 292)

Certificate

- Geographic Information Systems, Certificate (174) (p. 289)

Faculty

Environmental, Sustainability, and Geographic Studies, Bachelor of Science (5009)

Program Coordinator

Margaret M. Gripshover, margaret.gripshover@wku.edu, (270) 745-3032

The Environmental, Sustainability, and Geographic Studies program focuses on environment related issues using scientific, technological, and humanistic approaches to understand the interactive nature and interdependence of environmental and human factors. The program is structured around foundational courses, technical course work, and applied real-world experiences. Foundational instruction introduces students to basic principles of environmental science and related subjects, such as sustainability science, environmental planning, pollution control, natural resource management, spatial data analysis, economics, cultural geography, and the general interactions of humans and nature. The program prepares students for thinking critically about the complexities of human-environmental interactions through technical course work encompassing scientific writing, quantitative skills and data analysis, applied field- and lab-based experiences, and effective use of geospatial technologies (e.g., GIS and cartography, GPS, radar, satellite, drone, photogrammetry, environmental quality monitors, and surveying). Since the geoenvironmental sector is very broad in scope, the major does not include pre-defined and narrow concentrations. Instead, the program allows students to complete a customized set of elective coursework that best prepares them for a graduate program or any one of the wide ranging careers in the environmental field that they find of most interest. The program not only prepares students with essential knowledge in the fields of environment and sustainability but also trains students with critical information processing and geospatial analysis skills to meet the demands of employers in diverse industries with information-age needs in the 21st Century.

Program Requirements (53 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/

registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
Core Courses (32 hours)		
Introductory Physical Earth Course		
GEOG 103	Our Dynamic Planet	3
or GEOL 111	The Earth	
or METR 121	Meteorology	
Introductory Human/Cultural Geography Course		
GEOG 110	World Regional Geography	3
Introductory Environmental Science Course		
Sustainability Course		
GEOG 280	Environmental Science and Sustainability	4
GEOG 380	Global Sustainability	3
or GEOG 480	Sustainable Cities	
Technical Courses		
GISC 316	Fundamentals of GIS	4
GISC 317	Geographic Information Systems	4
GEOG 391	Geoscience Data Analysis	4
GEOG 300	Writing in the Geosciences	3
Professional Preparation Courses		
GEOG 499	Professional Preparation	1
GEOG 452	Applied Geoscience Field Experiences	1-6
or GEOG 495	Research Practicum or Internship	
or GEOG 475	Selected Topics in Geography	
Total Hours		32

Code	Title	Hours
Electives (21 hours)		
Elective coursework selected from any GEOG, GISC, METR, or GEOL 200-400 level course with advisor approval. Up to six hours may be taken outside of the geoscience discipline with advisor approval.		21

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
GEOG 103, GEOL 111, or METR 121		3 GEOG 110	3
GEOG 175		2 GEOG 210	3
ENG 100		3 GEOG 280	4
MATH 116		3 MATH 183	3
HIST 101 or HIST 102		3 COMM 145	3
		14	16
Second Year			
Fall	Hours	Spring	Hours
GISC 316		4 GEOG 300	3
GEOG Major Elective		3 GISC 317	4

Colonnade:		3	GEOG 380		3
Connections (Local to Global)					
Colonnade: World Language Requirement		3	Colonnade: Connections (Social and Cultural)		3
Colonnade: Arts & Humanities		3			
		16			13
Third Year					
Fall	Hours		Spring	Hours	
GEOG 391		4	GEOG 452, GEOG 475, or GEOG 495		1-6
GEOG Major Elective		3	GEOG Major Elective		3
ENG 200		3	GEOG Major Elective		3
Colonnade: Connections (Systems)		3	University Elective		3
University Elective		3	University Elective		3
		16			16
Fourth Year					
Fall	Hours		Spring	Hours	
GEOG 499		1	GEOG Elective		3
Field Studies/Intern		4	GEOG Elective		3
GEOG Major Elective		3	Independent Research		3
Independent Research		3	GEOG or University Elective		3
University Elective		3	University Elective		3
		14			15

Total Hours 120

- 120 Hours total are required in the program, with 42 hours at the 300/400 level.
- Summer courses, including Study Abroad, Field Camps, and other independent research opportunities, can reduce the number of hours required in the regular semesters.
- Any of the courses can be moved from semester to semester to take advantage of courses when offered.
- The WKU Colonnade Program requires a minimum of 39 hours, with several required courses in the Geography program that can be double-counted. GEOG courses marked * count for Colonnade Credit.
- Colonnade Connections courses are restricted to Juniors/Seniors, unless 21 credit hours of Colonnade Explorations and Foundations courses have already been completed. Three disciplines are required for Connections credit (METR, GEOG, GEOL, and GISC count as separate disciplines).

REQUIRED IN THE MAJOR (53 hours): **CORE COURSES** = GEOG 103* or GEOL 111* or METR 121*, GEOG 110*, GEOG 280*, GEOG 380* or GEOG 480, GEOG 300*, GISC 316, GISC 317, GEOG 391, GEOG 452* or 475 or 495, GEOG 499 (32 hours); **ELECTIVES** = any 21 hours of approved GEOG/GEOL/GISC/METR or equivalent coursework; PLUS MATH 116* and MATH 183*

Geographic Information Systems, Certificate (174)

Program Coordinator

Amy T. Nemon, amy.nemon@wku.edu, (270) 745-3082

Geographic Information Systems (GIS) technology is widely used in business, industry, government, and education. This certificate is designed for students in a variety of disciplines that involve the analysis,

mapping, display, and interpretation of geospatial data and information. Students who complete the program will have a solid foundation that spans the collection, management, analysis, interpretation, and display of data using GIS. They will gain practical experience by completing projects that require the use of sophisticated GIS functions. Finally, they will learn how to develop and implement their own customized GIS functions.

The program is housed in the Department of Earth, Environmental and Atmospheric Sciences.

Program Requirements (14 hours)

Code	Title	Hours
Enroll in the following GISC courses:		
GISC 316	Fundamentals of GIS	4
GISC 317	Geographic Information Systems	4
GISC 417	GIS Analysis & Modeling	3
GISC 419	GIS Programming	3
Total Hours		14

Geological Sciences, Bachelor of Science (5008)

Program Coordinator

Christopher G. Groves, chris.groves@wku.edu, (270) 745-5974

Geological science is often known as the science of the 21st century, as it is ground zero for tackling global challenges like managing land, water, ocean, space, mineral, and energy resources in a sustainable way. Society's interest in the environment and climate change is growing fast. The time has never been better to become a geological scientist.

The B.S. degree in Geological Sciences can provide a wide variety of career options, including jobs in the corporate (oil & gas, mining, environmental, engineering), government (surveys, agencies, park service), and academic sectors. Our program takes a holistic approach, as the traditional geology has become increasingly interdisciplinary. With two concentrations (Geology, and Environmental Earth Science), the program has a common core, providing the knowledge base for students to pursue the Professional Geologist licensure. Each concentration has different other requirements, specializing in different subjects. Our classes feature interactive learning, both in the field exploring the earth and in the lab doing simulations and analytical works. Students also enjoy excellent opportunities to work with faculty and other students on a variety of research topics.

Concentrations

- Geology (GEOL)
- Environmental Earth Science (ENES)

Program Requirements (48 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major in Geological Sciences requires a minimum of 48 semester hours and leads to a Bachelor of Science degree. A minor program is NOT required. Other required courses (e.g., physics, chemistry, biology, mathematics) total an additional 11-17 semester hours. This major provides students with a versatile background in geological sciences for entry-level employment or graduate school.

Geological Sciences Major - Common Core

Code	Title	Hours
GEOL 111	The Earth	3
GEOL 112	Earth's Past and Future	3
GEOL 113	The Earth Laboratory	1
GEOL 114	Earth's Past and Future Lab	1
GEOL 350	Mineralogy and Petrology	4
GEOL 360	Sedimentology and Stratigraphy	4
GEOL 408	Structural Geology	4
GEOL 499	Professional Preparation in Geology	2
GISC 316	Fundamentals of GIS	4
GEOG 300	Writing in the Geosciences	3
Total Hours		29

Geology Concentration

Code	Title	Hours
In addition to the Common Core, take the following courses to fulfill the Geology concentration:		
Required Course (3 hours)		
GEOL 380	Introductory Field Techniques	3
Elective Courses (16 hours)		
Select 16 hours from any 200-level or above GEOL course or from GEOG 391 or GEOG 452 with advisor approval.		16
Total Hours		19

Additional Required Courses Outside of the Major

Code	Title	Hours
Take the following required courses towards the Geology concentration:		
MATH 136	Calculus I	4
MATH 137	Calculus II	4
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	5
PHYS 231 & PHYS 232	Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I	4
Total Hours		17

Environmental Earth Science concentration

Code	Title	Hours
In addition to the Common Core, take the following courses to fulfill the Environmental Earth Science concentration:		
Required Course (18 hours)		
GEOL 250	Environmental Geology	3
GEOL 310	Global Hydrology	3
GEOL 415	Applied Environmental Geology	3
GEOL 420	Geomorphology	3

In addition, select two courses from the following: 6

GEOL 301	Geology and Climate: Past and Future
GEOL 311	General Oceanography
GEOL 315	Energy, Climate and Carbon
GEOL 440	Hydrogeology
GEOL 445	Aqueous Geochemistry
GEOL 465	Geophysics

Elective Courses (1 hours)

Select 1 hour from any 300-400 level GEOL course or from any GEOG 400-level or GISC 300-400 level course with advisor approval. 1

Total Hours 19

Additional Required Courses Outside of the Major

Code	Title	Hours
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Take the following additional courses towards the Environmental Earth Science concentration:

MATH 183	Introductory Statistics	3
CHEM 105 & CHEM 106	Fundamentals of General Chemistry and Fundamentals of General Chemistry Laboratory (or higher)	4
BIOL 207 & BIOL 208	General Microbiology and General Microbiology Laboratory	4

Total Hours 11**Finish in Four Plans****Geological Sciences, Geology Concentration****First Year**

Fall	Hours	Spring	Hours
GEOL 111		3 GEOL 112	3
GEOL 113		1 GEOL 114	1
ENG 100		3 CHEM 120 & CHEM 121	5
HIST 101 or HIST 102		3 ENG 200	3
COMM 145		3 GEOL 250	3
GEOG 175		2	
		15	15

Second Year

Fall	Hours	Spring	Hours
GEOL 330		4 GEOL 350	4
GEOL 380		3 GEOL 360	4
MATH 136		4 MATH 137	4
Colonnade - Arts & Humanities		3 Colonnade - Connections Social & Cultural	3
Colonnade - Social & Behavioral		3	
		17	15

Third Year

Fall	Hours	Spring	Hours
PHYS 231 & PHYS 232		4 GEOL 408	4
GISC 316		4 GEOL Concentration Elective	3
GEOL Concentration Elective		3 GEOG 300	3

Colonnade - Systems	3 Colonnade - Local to Global	3
	GEOL Concentration Elective (GEOL 399)	3

14 16**Fourth Year**

Fall	Hours	Spring	Hours
GEOL 499		2 GEOL Concentration Elective	3
GEOL Concentration Elective		3 General Elective or GEOL 399	2
GEOL Concentration Elective		3 General Elective	3
General Elective		3 General Elective	3
General Elective		3 General Elective	3

14 14**Total Hours 120****Geological Sciences, Environmental Earth Science Concentration****First Year**

Fall	Hours	Spring	Hours
GEOL 111		3 GEOL 112	3
GEOL 113		1 GEOL 114	1
ENG 100		3 ENG 200	3
MATH 115		3 CHEM 105 & CHEM 106	4
HIST 101 or HIST 102		3 GEOL 250	3
GEOG 175		2	
		15	14

Second Year

Fall	Hours	Spring	Hours
GEOL 330		4 GEOL 350	4
GEOL 310		3 GEOL 360	4
Colonnade - Arts & Humanities		3 MATH 183	3
BIOL 207 & BIOL 208		4 Colonnade - Connections Social & Cultural	3
COMM 145		3	
		17	14

Third Year

Fall	Hours	Spring	Hours
GEOL 420		3 GEOL 408	4
GISC 316		4 GEOL 415	3
GEOL Concentration Elective - GEOL 301 or 311 or 315 or 440 or 445 or 465		3 GEOL Concentration Elective or GEOL 399	1
Colonnade - Local to Global		3 GEOG 300	3
Colonnade - Systems (GEOL 315 or GEOL 101)		3 Colonnade - Social & Cultural	3
		16	14

Fourth Year

Fall	Hours	Spring	Hours
GEOL 499		2 General Elective or GEOL 399	3
GEOL Concentration Elective - GEOL 301 or 311 or 315 or 440 or 445 or 465		3 General Elective	3
GEOL Concentration Elective		3 General Elective	3

General Elective	3	General Elective	3
General Elective	3	General Elective	3
General Elective or GEOL 399	1		
	15		15

Total Hours 120

Meteorology, Bachelor of Science (578)

Program Coordinator

Gregory B. Goodrich, gregory.goodrich@wku.edu, (270) 745-5986

The B.S. in Meteorology degree at WKU is the first and largest meteorology program in Kentucky or Tennessee that meets all the Federal Civil Service requirements (GS-1340) for employment by the National Weather Service and enables TV broadcast meteorologists to immediately pursue the "Certified Broadcast Meteorologist" program of the American Meteorological Society upon graduation. In addition to preparing students for immediate employment as meteorologists, the combination of advanced theoretical and applied coursework as well as experience with meteorological instrumentation and computer programming will provide a foundation for students who wish to pursue graduate school in the atmospheric sciences. Students will become more directly involved in faculty-sponsored research, increased co-authorship of peer-reviewed research articles, and increased presentation of research results at professional meetings and conferences.

Students will also have the opportunity to work for White Squirrel Weather (WSWX), which acts as the WKU weather service, where students make weather observations and weather forecasts to provide decision support to a variety of WKU entities, including WKU Athletics, Environmental Health and Safety, and WKU Admissions.

Program Requirements (50 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major in Meteorology leads to a Bachelor of Science in Meteorology and requires a minimum of 50 semester hours of meteorology, geography, GIS, and computer science. A minor program is not required. Other required courses in physics and mathematics total an additional 25 semester hours. Students majoring in meteorology will learn the key concepts and skills necessary to qualify as a meteorologist for the National Weather Service, and to meet the standards of the American Meteorological Society.

Required Courses

Code	Title	Hours
METR 121	Meteorology	3
METR 122	Aviation Meteorology	3
CS 170	Problem Solving and Programming	3
GEOG 300	Writing in the Geosciences	3

GISC 316	Fundamentals of GIS	4
METR 324	Weather Analysis and Forecasting	3
GEOG 391	Geoscience Data Analysis	4
METR 431	Dynamic Meteorology I	3
METR 432	Synoptic Meteorology	3
METR 433	Dynamic Meteorology II	3
METR 437	Mesoscale Meteorology	3
METR 438	Physical Meteorology	3

Meteorology Technique Course

METR 325	Meteorological Instrumentation and Measurement	3
or METR 335	Satellite/Radar Meteorology	

Total Hours 41

In addition to the required courses, select 9 hours from any 200-level or above METR course

Code	Title	Hours
Suggested courses include:		9
METR 322	Global Climate Systems	
METR 325	Meteorological Instrumentation and Measurement	
METR 335	Satellite/Radar Meteorology	
METR 424	Severe Weather Analysis and Forecasting	
METR 425	Field Methods in Severe Weather Analysis and Forecasting	
METR 430	Meteorological Computing	
METR 439	Atmospheric Modeling	
METR 460	Climate Teleconnections	
METR 475	Selected Topics in Meteorology	
Total Hours		9

Additional Courses Required Outside of the Major

Code	Title	Hours
PHYS 255 & PHYS 256	University Physics I and University Physics I Lab	5
PHYS 265 & PHYS 266	University Physics II and University Physics II Laboratory	5
MATH 136	Calculus I	4
MATH 137	Calculus II	4
MATH 237	Multivariable Calculus	4
MATH 331	Differential Equations	3
Total Hours		25

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
METR 121		3 MATH 137	4
ENG 100		3 METR 122	3
MATH 136		4 HIST 101 or HIST 102	3
GEOG 110		3 COMM 145	3
GEOG 175		2 ENG 200	3
		15	16

Second Year

Fall	Hours	Spring	Hours
MATH 237		4 MATH 331	3
CS 170		3 METR 324	3
GISC 316		4 World Language or Elective	3
GEOG 226		3 Colonnade - Social & Behavioral	3
		General Elective	3
		14	15

Third Year

Fall	Hours	Spring	Hours
METR 431		3 METR 433	3
GEOG 300		3 Colonnade - Arts & Humanities	3
METR 335		3 METR 438	3
PHYS 255 & PHYS 256		5 PHYS 265 & PHYS 266	5
METR Elective		3	
		17	14

Fourth Year

Fall	Hours	Spring	Hours
METR 432		3 METR 437	3
GEOG 391		4 METR Elective	3
Colonnade - Connections		3 Colonnade - Connections	3
METR Elective or Independent Research		3 Colonnade - Connections	3
METR 325		3 General Elective	1
		16	13

Total Hours 120

- 120 Hours total are required in the program, with 42 hours at the 300/400 level.
- Summer courses, including Study Abroad, Field Camps, and other independent research opportunities, can reduce the number of hours required in the regular semesters.
- Any of the courses can be moved from semester to semester to take advantage of courses when offered.
- The WKU Colonnade Program requires a minimum of 39 hours, with several required courses in the Geography program that can be double-counted. METR/GEOG courses marked * count for Colonnade Credit.
- Colonnade Connections courses are restricted to Juniors/Seniors, unless 21 credit hours of Colonnade Explorations and Foundations courses have already been completed. Three disciplines are required for Connections credit (METR, GEOG, GEOL, and GISC count as separate disciplines).

REQUIRED IN THE MAJOR (48 hours): **CORE COURSES** = METR 121*, 122, CS 170, GEOG 300*, 391, METR 324, 431, 432, 433, 437, GEOG 499 (36 hours); **ELECTIVE COURSES** = any 12 hours of approved METR or equivalent coursework; **PLUS** PHYS, 255 256, 265, 266, MATH 136*, 137*, 237, 331.

Department of Mathematics

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Email: math@wku.edu

Website: <http://www.wku.edu/math> (<http://www.wku.edu/math/>)

Mathematics courses at the University are designed with the interests and needs of varying groups of students in mind.

Mathematics majors are available to those planning to pursue careers in secondary and middle grades education, as well as to those whose preparation is being directed toward positions in business and industry, or toward further work in mathematics at the graduate level. In addition, several courses are offered to meet the demands for the mathematical training of students whose major educational objectives are not directly related to mathematics. Mathematics majors are assigned faculty mentors/advisors from among the departmental faculty and are required to consult with these faculty members before each registration period.

When planning a program of study in this department, each student should be aware of the University's academic requirements and regulations contained in this catalog in the chapter "Academic Information." Specific attention should be given to the sub-sections in the chapter entitled (a) Academic Programs, (b) Colonnade Requirements, and (c) Academic Requirements and Regulations.

Some academic programs may require additional scholastic regulations and standards not specified in the catalog. To obtain a copy of these regulations, students should contact the department chair.

This department offers the following majors and minors:

- **Major:** Non-teacher certifiable major in mathematics (reference number 728)
- **Major:** Mathematics extended major for employment in industry and/or graduate studies in mathematics (reference number 528)
- **Major:** Mathematics major certifiable for teaching secondary level mathematics (reference number 728)
- **Major:** Middle grades mathematics (reference number 730)
- **Major:** Mathematical Economics (reference number 731)
- **Minor:** Mathematics (reference number 417)
- **Minor:** Applied Statistics (reference number 313)

Grades K-5 Certification

All students seeking grades K-5 certification must satisfy the Quantitative Reasoning course in the Foundations section of the Colonnade program prior to enrolling in the required courses: MATH 205, MATH 206, and MATH 308.

Degrees

- Mathematical Economics, Bachelor of Science (731P, 731) (p. 199)
- Mathematics, Bachelor of Arts (528P, 528) (p. 297)
- Mathematics, Bachelor of Arts (728P, 728) (p. 300)
- Middle Grades Mathematics, Bachelor of Science (730P, 730) (p. 302)

Minors

- Applied Statistics, Minor (313) (p. 294)
- Mathematics, Minor (Minor for Employment in Industry and/or Graduate Studies in Mathematics) (417) (p. 302)

Faculty

Professor

Ferhan Atici PhD (Mathematics and Statistics), University of Nebraska-Lincoln, 1995

Melanie A. Autin PhD (Statistics), University of South Carolina - Columbia, 2007

Tilak Bhattacharya PhD (Mathematics), Purdue University Main Campus, 1988

Mikhail Khenner PhD (Physico-Mathematical Sciences), Perm State University-Russia, 1999

Dominic A. Lanphier PhD (Mathematics), University of Minnesota-Twin Cities, 2000

Hope L. Marchionda PhD (Curriculum and Instruction), Clemson University, 2006

Thanh L. Nguyen PhD (Mathematics), Ohio University Main Campus, 2002

Thomas A. Richmond PhD (Mathematics), Washington State University, 1986

Mark P. Robinson PhD (Mathematics), University of Kentucky, 1991

Associate Professor

Janice D. Brockman MS (Mathematics), Western Kentucky University, 2003

Kanita K. DuCloux PhD (Mathematics Education), University of Georgia, 2009

Molly Dunkum PhD (Mathematics), University of Kentucky, 2005

Lee D. Emanuel MSED (Mathematics Academic), University of Nebraska-Kearney, 1992

Samangi Munasinghe PhD (Mathematics), Texas A & M University, 2006

Ngoc B. Nguyen PhD (Mathematics), Bowling Green State University, 2010

Ahmet O. Ozer PhD (Applied Mathematics), Iowa State University, 2011

Attila Por PhD (Mathematics), Eotvos Lorand University-Hungary, 2003

Richard C. Schugart PhD (Applied Mathematics), North Carolina State University, 2005

Assistant Professor

Daniel L. Clark PhD (Mathematics Education), Michigan State University, 2016

Nicholas C. Fortune PhD (Mathematics Education), North Carolina State University, 2018

Lukun Zheng PhD (Applied Mathematics), University North Carolina Charlotte, 2015

Instructor

Robert K. Palmer MS, Western Kentucky University, 1999

Pedagogical Associate Professor

Michelle A. Jackson MS (Mathematics, Math Education), Illinois State University, 1996

Michelle S. Jones MS (Mathematics), Western Kentucky University, 1998

Instructor I

Twyla D. Harris PhD (Curriculum and Instruction), University of Louisville, 2015

Julie F. Payne MST (Mathematics), Middle Tennessee State University, 2009

Instructor II

Robin L. Ayers MAE (Mathematics Education, Secondary Education), Western Kentucky University, 1990

Erica C. Billingsley MS (Mathematics), Western Kentucky University, 2008

Patrick T. Brown MA (Mathematics), University of Colorado at Boulder, 2006

Leslie F. Plumlee MS (Mathematics), Western Kentucky University, 2005

Leigh A. Wells MST (Mathematics), Middle Tennessee State University, 1997

Applied Statistics, Minor (313)

A minor in applied statistics requires a minimum of 19 semester hours. This program is designed for a student seeking a career as a statistical programmer/analyst/consultant in a knowledge-based industry or in a research institution.

Program Requirements (19 hours)

Code	Title	Hours
MATH 136	Calculus I	4
or MATH 142	Calculus with Applications for Life Sciences	
STAT 301	Introductory Probability and Applied Statistics	3
STAT 330	Introduction to Statistical Software	3
STAT 401	Regression Analysis	3
STAT 402	Experimental Design	3
Select at least three credit hours of relevant elective courseworks from the following:		3
Any 300-level or 400-level STAT course ¹		
MATH 482	Probability and Statistics II	
At most 3 credit hours of 300-400 level statistical coursework relevant to the student's area of study ²		
Total Hours		19

¹ Other than STAT 301, STAT 330, STAT 401, and STAT 402.

² With prior approval from the Statistics Education Committee of the Department of Mathematics

Mathematical Economics, Bachelor of Science (731P, 731)

Program Coordinator

Melanie A. Autin, melanie.autin@wku.edu, (270) 745-6171

Alex Lebedinsky, alex.lebedinsky@wku.edu, (270) 745-3150

The BS in Mathematical Economics is for students wishing to pursue either a graduate degree in economics or a highly applied, analytical occupation with a heavy emphasis on quantitative skills such as an actuary. This degree does not require a second major or a minor. The BS in Mathematical Economics offers two concentrations: General concentration and Actuarial Science concentration.

International students who complete this program may qualify for the STEM OPT extension (the CIP Code of the program is 45.0603).

The General concentration in the BS in Mathematical Economics requires a minimum of 49 hours. This major is strongly recommended for students considering either a PhD in Economics or highly applied, analytical occupations, especially in data analytics. Because doctoral programs in economics are highly mathematical, this degree combines the economics coursework with the mathematics courses that are necessary to succeed in an economics doctoral program.

The Actuarial Science concentration in the BS in Mathematical Economics requires a minimum of 61 hours. This degree is strongly recommended for students pursuing careers as actuaries. Actuaries are

professionals who specialize in modeling and managing risks. Actuaries typically work for health, life, and property insurance companies, but individuals with actuarial training may work in many other areas such as banking, investment, energy, government, employee benefits, predictive analytics, and many more. Actuaries use a combination of strong analytical skills, business knowledge, and an understanding of human behavior. It takes five to seven years on average to become an actuary after completing an undergraduate degree. To become an actuary, one must pass a series of exams to earn an actuarial designation by either the Casualty Actuarial Society (CAS) or the Society of Actuaries (SOA). Students in the Actuarial Science concentration will take courses that will help them prepare for the first two actuarial exams. As a part of becoming an actuary, candidates must also earn Validation by Educational Experience (VEE) credits, which demonstrate that as students they received academic training in certain required areas. The course work in this concentration is designed for students to receive all three of the VEE credits required by the SOA: Economics, Mathematical Statistics, and Accounting and Finance.

Concentrations

- General Mathematical Economics (MEGM)
- Actuarial Science (MEAS)

Admission Requirements

Admission to the Mathematical Economics major requires:

1. Completion of MATH 136, ECON 202 and ECON 203, and ECON 206 or STAT 301 with a minimum GPA of 2.0 in the courses listed.
2. Completion of a minimum of 60 hours with a minimum GPA of 2.0 overall.
3. Completion of a minimum of 12 hours at Western Kentucky University with a minimum WKU GPA of 2.0.

Program Requirements (49/61 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major in Mathematical Economics requires a total of 120 credit hours with a core of 18 hours in economics, 15 hours in mathematics, and 1 hour of an interdisciplinary seminar course. The concentration in general mathematical economics requires an additional 9 hours in economics and 6 hours in mathematics. The concentration in actuarial science requires an additional 3 hours in economics, 9 hours in mathematics, 15 hours in finance, and 3-4 hours in computer science.

The program of study does not require completion of a second major or minor.

Core Courses

Code	Title	Hours
ECON 202	Principles of Economics (Micro)	3
ECON 203	Principles of Economics (Macro)	3
ECON 206	Statistics	3

or STAT 301	Introductory Probability and Applied Statistics	
ECON 302	Microeconomic Theory	3
ECON 303	Macroeconomic Theory	3
Select one of the following:		3
ECON 465	Regression and Econometric Analysis	
ECON 480	Economic Forecasting	
STAT 401	Regression Analysis	
MATH 136	Calculus I	4
MATH 137	Calculus II	4
MATH 237	Multivariable Calculus	4
MATH 307	Introduction to Linear Algebra	3
ECON/MATH 497	Senior Seminar in Mathematical Economics	1
Total Hours		34

Additionally, majors must choose a concentration in either General Mathematical Economics or Actuarial Science.

General Mathematical Economics Concentration

Code	Title	Hours
ECON 306	Statistical Analysis	3
or ECON 307	Financial Data Modeling	
ECON 464	Introduction to Mathematical Economics	3
Select 3 hours of 300- and 400-level economics electives		3
MATH 331	Differential Equations	3
or MATH 310	Introduction to Discrete Mathematics	
Select one of the following:		3
MATH 331	Differential Equations	
MATH 310	Introduction to Discrete Mathematics	
MATH 305	Introduction to Mathematical Modeling	
MATH 382	Probability and Statistics I	
MATH 435	Partial Differential Equations	
MATH 405	Numerical Analysis I	
Total Hours		15

Actuarial Science Concentration

Code	Title	Hours
ECON 307	Financial Data Modeling	3
MATH 310	Introduction to Discrete Mathematics	3
MATH 382	Probability and Statistics I	3
MATH 482	Probability and Statistics II	3
FIN 330	Principles of Finance	3
FIN 332	Investment Theory	3
FIN 334	Financial Mathematics	3
FIN 350	Risk Management and Insurance	3
FIN 437	Corporate Asset Management	3
CS 170	Problem Solving and Programming	3-4
or CS 180	Computer Science I	

or STAT 330	Introduction to Statistical Software
Total Hours	30-31

Finish in Four Plan

Actuarial Science Concentration

First Year			
Fall	Hours	Spring	Hours
BA 170		1 COMM 145	3
ENG 100		3 MATH 137	4
MATH 136		4 ECON 202	3
Colonnade - Arts & Humanities		3 HIST 101 or HIST 102	3
General University Elective		3 Colonnade - Natural & Physical Sciences w/ lab	3
		14	16
Second Year			
Fall	Hours	Spring	Hours
ACCT 220		3 CS 170, CS 180, or STAT 330	3-4
ECON 203		3 FIN 330	3
MATH 307		3 ECON 206 or STAT 301	3
MATH 310		3 MATH 237	4
Colonnade - Literary Studies		3 Colonnade - Natural & Physical Sciences	3
		15	16-17
Third Year			
Fall	Hours	Spring	Hours
ECON 302		3 ECON 303	3
ECON 307		3 FIN 332	3
FIN 334		3 FIN 350	3
MATH 382		3 MATH 482	3
Colonnade - Connections Social & Cultural or Local to Global or Systems		3 Colonnade - Writing in the Disciplines	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
ECON 465, STAT 401, or ECON 480 ¹		3 ECON 497 or MATH 497	1
FIN 437		3 Colonnade - Connections Social & Cultural or Local to Global or Systems	3
FIN 438*		3 General University Elective	3
Colonnade - Connections Social & Cultural or Local to Global or Systems		3 General University Elective	3
General University Elective		3 General University Upper-Division Elective	3
		General University Elective	1
		15	14
Total Hours 120-121			

¹ It is recommended that ECON 465 should be taken during the second to last semester as it will help student prepare for the Senior Seminar. ECON 465 should not be taken concurrently with ECON 499 or ECON 497

² ECON 480 and FIN 438 are not required for the degree. However, FIN 438 can be used toward a VEE credit, and ECON 480 will help students prepare for actuarial exams.

General Concentration

First Year			
Fall	Hours	Spring	Hours
BA 175		3 COMM 145	3
ECON 202		3 HIST 101 or HIST 102	3
ENG 100		3 MATH 137	4
MATH 136		4 Colonnade - Arts & Humanities	3
Colonnade - Natural Sciences w/ lab		3 Colonnade - Literary Studies	3
		16	16
Second Year			
Fall	Hours	Spring	Hours
MATH 307		3 CS 170 or CS 180	3-4
ECON 203		3 ECON 206 or STAT 301	3
MATH 310 or MATH 331		3 MATH 237	4
Colonnade - Natural & Physical Sciences w/ no lab		3 Colonnade - Social & Cultural or Local to Global or Systems	3
Colonnade - Connections Social & Cultural or Local to Global or Systems		3 General Elective	3
		15	16-17
Third Year			
Fall	Hours	Spring	Hours
ECON 302		3 ECON 303	3
ECON 306		3 ECON 465, ECON 480, or STAT 401	3
General upper-division Elective		3 Colonnade - Writing in the Disciplines	3
General Elective		3 Colonnade - Connections Social & Cultural or Local to Global or Systems	3
MATH 305, MATH 310, or MATH 331		3 General Elective	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
ECON 464		3 ECON 497 or MATH 497	1
ECON 465 ¹		3 General upper-division Elective	3
General upper-division Elective		3 General upper-division Elective	3
General upper-division Elective		3 General Elective	3
General Elective		3 General Elective	2
		15	12
Total Hours 120-121			

¹ It is recommended that ECON 465 should be taken during the second to last semester as it will help student prepare for the Senior Seminar. ECON 465 should not be taken concurrently with ECON 499 or ECON 497.

Mathematics, Bachelor of Arts (528P, 528)

Program Coordinator

Ngoc B. Nguyen, ngoc.nguyen@wku.edu, (000) 000-0000

This major is for students that intend to pursue a graduate degree in mathematics, and/or intend to pursue employment in business and industry. This major does not lead to teacher certification.

Concentrations

- Fundamental Analysis & Discrete (MAAD)
- Fundamentals of Applied Mathematics (MAAM)
- Fundamentals of Math Studies (MAMS)

Admission Requirements

To be fully admitted to the majors in mathematics with reference number 528, students must complete the following admission requirements:

- Earn a "C" or better in each of the following courses: MATH 136, MATH 137, and MATH 307 (or MATH 310).
- Have an overall GPA of at least 2.4 in the mathematics program courses completed prior to admission (MATH 136, MATH 137, and MATH 307 (or MATH 310)).
- Note: If a course is repeated, then the second grade is used to compute the GPA. If a course is repeated multiple times, then the average of all grades after the first attempt is used to compute the GPA. **Students can earn a grade in a course a maximum of three times.**

Program Requirements (51 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

A major in mathematics provides a Bachelor of Arts degree and requires either a minimum of 36-39 semester hours for a general major with a minor or second major or a minimum of 51 semester hours for an extended major. Note: All mathematics courses listed as prerequisites for other mathematics courses must have been completed with a grade of "C" or better.

Students who wish to declare a 528 mathematics major will initially be designated as "seeking admission" until the following requirements have been satisfied:

- Complete MATH 136, MATH 137, and MATH 307 or MATH 310, with a grade of "C" or better in each course.
- Have an overall GPA of at least 2.4 in mathematics program courses (MATH 136 and above) completed prior to admission.

Students in the extended major (528) are required to satisfy a computational requirement by completing two courses chosen from CS 180, CS 290, STAT 330, MATH 371, PHYS 316, or PHYS 318.

[If MATH 371 is selected to fulfill this requirement, it cannot also be used as an elective in the extended major (528).]

To prepare for graduate study in mathematics, the student must complete a minimum of 51 hours of mathematics with the following requirements:

Core Courses

Code	Title	Hours
MATH 136	Calculus I	4
MATH 137	Calculus II	4
MATH 237	Multivariable Calculus	4
MATH 307	Introduction to Linear Algebra	3
MATH 310	Introduction to Discrete Mathematics	3
MATH 317	Introduction to Algebraic Systems	3
MATH 337	Elements of Real Analysis	3
MATH 431	Intermediate Analysis I	3
MATH 498	Senior Seminar	1-3
Total Hours		28-30

Select one of the following concentrations:

B1: Fundamentals of Analysis and Discrete Mathematics

Code	Title	Hours
MATH 417	Algebraic Systems	3
MATH 439	Topology I	3
MATH 450	Complex Variables	3
Select two of the following:		6
MATH 315	Theory of Numbers	
MATH 323	Geometry I	
MATH 415	Algebra and Number Theory	
MATH 423	Geometry II	
MATH 473	Introduction to Graph Theory	
Select six elective hours from the following:		6

MATH 275	Introductory Topics in Mathematics (up to 3 hours)
STAT 301	Introductory Probability and Applied Statistics
MATH 305	Introduction to Mathematical Modeling
MATH 315	Theory of Numbers
MATH 323	Geometry I
MATH 331	Differential Equations
MATH 370	Applied Techniques in Mathematics
MATH 371	Advanced Computational Problem Solving (provided MATH 371 was not used to satisfy the computational requirement)
MATH 382	Probability and Statistics I
MATH 398	Seminar (up to 3 hours)
MATH 405	Numerical Analysis I
MATH 406	Numerical Analysis II
MATH 409	History of Mathematics
MATH 415	Algebra and Number Theory
MATH 423	Geometry II

MATH 435	Partial Differential Equations	
MATH 470	Introduction to Operations Research	
MATH 473	Introduction to Graph Theory	
MATH 475	Selected Topics in Mathematics (up to 6 hours)	
MATH 482	Probability and Statistics II	
Total Hours		21

B2: Fundamentals of Applied Mathematics

Code	Title	Hours
MATH 331	Differential Equations ¹	3
MATH 370	Applied Techniques in Mathematics ¹	3
MATH 382	Probability and Statistics I ¹	3
MATH 405	Numerical Analysis I ¹	3
Select two of the following: ¹		6
MATH 305	Introduction to Mathematical Modeling	
MATH 406	Numerical Analysis II	
MATH 435	Partial Differential Equations	
MATH 470	Introduction to Operations Research	
MATH 482	Probability and Statistics II	
Select three credit hours of the following:		3
MATH 275	Introductory Topics in Mathematics	
STAT 301	Introductory Probability and Applied Statistics	
MATH 305	Introduction to Mathematical Modeling	
MATH 315	Theory of Numbers	
MATH 323	Geometry I	
MATH 371	Advanced Computational Problem Solving (provided MATH 371 was not used to satisfy the computational requirement)	
MATH 398	Seminar	
MATH 406	Numerical Analysis II	
MATH 409	History of Mathematics	
MATH 415	Algebra and Number Theory	
MATH 417	Algebraic Systems	
MATH 423	Geometry II	
MATH 435	Partial Differential Equations	
MATH 439	Topology I	
MATH 450	Complex Variables	
MATH 470	Introduction to Operations Research	
MATH 473	Introduction to Graph Theory	
MATH 475	Selected Topics in Mathematics	
MATH 482	Probability and Statistics II	
Total Hours		21

B3: Fundamentals of Mathematical Studies

Code	Title	Hours
MATH 450	Complex Variables	3
Select two of the following:		6
MATH 405	Numerical Analysis I	
MATH 406	Numerical Analysis II	
MATH 409	History of Mathematics	
MATH 415	Algebra and Number Theory	
MATH 417	Algebraic Systems	
MATH 423	Geometry II	
MATH 435	Partial Differential Equations	
MATH 439	Topology I	
MATH 470	Introduction to Operations Research	
MATH 473	Introduction to Graph Theory	
MATH 482	Probability and Statistics II	
Select twelve elective hours of the following:		12
MATH 275	Introductory Topics in Mathematics (up to 3 hours)	
STAT 301	Introductory Probability and Applied Statistics	
MATH 305	Introduction to Mathematical Modeling	
MATH 315	Theory of Numbers	
MATH 323	Geometry I	
MATH 331	Differential Equations	
MATH 370	Applied Techniques in Mathematics	
MATH 371	Advanced Computational Problem Solving (provided MATH 371 was not used to satisfy the computational requirement)	
MATH 382	Probability and Statistics I	
MATH 398	Seminar (up to 3 hours)	
MATH 405	Numerical Analysis I	
MATH 406	Numerical Analysis II	
MATH 409	History of Mathematics	
MATH 415	Algebra and Number Theory	
MATH 423	Geometry II	
MATH 435	Partial Differential Equations	
MATH 470	Introduction to Operations Research	
MATH 473	Introduction to Graph Theory	
MATH 475	Selected Topics in Mathematics (up to 6 hours)	
MATH 482	Probability and Statistics II	
Total Hours		21

¹ Students may take certain 500-level mathematics courses for undergraduate credit in place of courses listed in items B1i, B1ii, B2i, B2ii, B3i, or B3ii with the approval of the mathematics department chair. No minor or second major for the extended major is required.

Finish in Four Plans***Fundamentals of Analysis & Discrete Mathematics Concentration*****First Year**

Fall	Hours	Spring	Hours
MATH 136		4 MATH 137	4
CS 180		4 CS 290, STAT 330, or MATH 371	3-4
ENG 100		3 COMM 145	3
Colonnade - Natural & Physical Sciences w/ lab		3-5 HIST 101 or HIST 102	3
		Colonnade - Social & Behavioral Science	3
14-16		16-17	

Second Year

Fall	Hours	Spring	Hours
MATH 307		3 MATH 237	4
MATH 310		3 Math upper-division Elective	3
ENG 200		3 Colonnade - Natural & Physical Sciences w/ no lab	3
Colonnade - Arts & Humanities		3 Colonnade - Writing in the Disciplines	3
World Language Requirement or General Elective		3 General Elective	3
15		16	

Third Year

Fall	Hours	Spring	Hours
MATH 317		3 MATH 337	3
Math upper-division Elective		3 MATH 417	3
Colonnade - Social & Cultural		3 Colonnade - Local to Global	3
Colonnade - Systems		3 General Elective	3
General Elective		3 General Elective	3
15		15	

Fourth Year

Fall	Hours	Spring	Hours
MATH 431		3 MATH 450	3
MATH 439		3 MATH 498	3
Math upper-division Elective		3 Math upper-division Elective	3
General Elective		3 General Elective	3
General Elective		2 General Elective	3
14		15	

Total Hours 120-123***Fundamentals of Applied Math Concentration*****First Year**

Fall	Hours	Spring	Hours
MATH 136		4 MATH 137	4
CS 180		4 CS 290, STAT 330, or MATH 371	3-4
ENG 100		3 COMM 145	3
Colonnade - Natural & Physical Sciences w/ lab		3-5 HIST 101 or HIST 102	3
		Colonnade - Social & Behavioral Science	3
14-16		16-17	

Second Year

Fall	Hours	Spring	Hours
MATH 307		3 MATH 237	4
MATH 310		3 MATH 331	3
ENG 200		3 Math upper-division Elective	3
Colonnade - Arts & Humanities		3 Colonnade - Natural & Physical Sciences w/ no lab	3
World Language Requirement or General Elective		3 Colonnade - Writing in the Disciplines	3
15		16	

Third Year

Fall	Hours	Spring	Hours
MATH 317		3 MATH 337	3
MATH 382		3 MATH 370	3
MATH 405		3 Colonnade - Local to Global	3
Colonnade - Social & Cultural		3 Colonnade - Systems	3
General Elective		3 General Elective	3
15		15	

Fourth Year

Fall	Hours	Spring	Hours
MATH 431		3 MATH 498	3
Math upper-division Elective		3 Math upper-division Elective	3
General Elective		3 General Elective	3
General Elective		3 General Elective	3
General Elective		2 General Elective	3
14		15	

Total Hours 120-123***Fundamentals of Math Studies Concentration*****First Year**

Fall	Hours	Spring	Hours
MATH 136		4 MATH 137	4
CS 180		4 CS 290, STAT 330, or MATH 371	3-4
ENG 100		3 COMM 145	3
Colonnade - Natural & Physical Sciences w/ lab		3-5 HIST 101 or HIST 102	3
		Colonnade - Social & Behavioral Science	3
14-16		16-17	

Second Year

Fall	Hours	Spring	Hours
MATH 307		3 MATH 237	4
MATH 310		3 Math upper-division Elective	3
ENG 200		3 Math upper-division Elective	3
Colonnade - Arts & Humanities		3 Colonnade - Natural & Physical Sciences w/ no lab	3
World Language Requirement or General Elective		3 Colonnade - Writing in the Disciplines	3
15		16	

Third Year

Fall	Hours	Spring	Hours
MATH 317		3 MATH 337	3

Math upper-division Elective	3 MATH 450	3
Colonnade - Local to Global	3 Math upper-division Elective	3
Colonnade - Social & Cultural	3 Colonnade - Systems	3
General Elective	3 General Elective	3
	15	15

Fourth Year

Fall	Hours	Spring	Hours
MATH 431		3 MATH 498	3
Math upper-division Elective		3 Math upper-division Elective	3
General Elective		3 General Elective	3
General Elective		3 General Elective	3
General Elective		2 General Elective	3
	14		15

Total Hours 120-123

Mathematics, Bachelor of Arts (728P, 728)

Program Coordinator

Ngoc B. Nguyen, ngoc.nguyen@wku.edu, (000) 000-0000

This major is intended for students that are pursuing a basic math major for employment purposes and/or are interested in mathematics as part of a degree with two majors. Students pursuing teacher certification will also major in Science and Mathematics Education (774) (<https://www.wku.edu/skyteach/program.php>).

Concentrations

- Teacher Education (TCHR)
- Non-Teacher Certifiable (MATN)

Admission Requirements

To be fully admitted to the majors in mathematics with reference numbers 728 or 528, students must complete the following admission requirements:

- Earn a "C" or better in each of the following courses: MATH 136, MATH 137, and MATH 307 (or MATH 310).
- Have an overall GPA of at least 2.4 in the mathematics program courses completed prior to admission (MATH 136, MATH 137, and MATH 307 (or MATH 310)).
- Note: If a course is repeated, then the second grade is used to compute the GPA. If a course is repeated multiple times, then the average of all grades after the first attempt is used to compute the GPA. **Students can earn a grade in a course a maximum of three times.**

Program Requirements (36-39 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/>

colonnade.colonnaderequirements.php. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

A major in mathematics provides a Bachelor of Arts degree and requires either a minimum of 36-39 semester hours for a general major with a minor or second major. Note: All mathematics courses listed as prerequisites for other mathematics courses must have been completed with a grade of "C" or better.

Students who wish to declare a 728 mathematics major will initially be designated as "seeking admission" until the following requirements have been satisfied:

- Complete MATH 136, MATH 137, and MATH 307 or MATH 310, with a grade of "C" or better in each course.
- Have an overall GPA of at least 2.4 in mathematics program courses (MATH 136 and above) completed prior to admission.

The general major (728) offers two options:

1. Non-teacher Certifiable Major in Mathematics
2. Major Certifiable for Teaching Secondary Level Mathematics.

Option 1 students in the general major (728) are required to satisfy a computational requirement by completing either one course chosen from CS 180, PHYS 316, or PHYS 318. Option 2 students are required to complete either CS 170 or CS 180.

Option 1: Non-Teacher Certifiable Major In Mathematics-39 hours

The student must complete a minimum of 39 hours of mathematics with a minor or second major giving a total of at least 59 hours (53 unduplicated) with the following requirements:²

Code	Title	Hours
MATH 136	Calculus I	4
MATH 137	Calculus II	4
MATH 237	Multivariable Calculus	4
MATH 307	Introduction to Linear Algebra	3
MATH 310	Introduction to Discrete Mathematics	3
MATH 317	Introduction to Algebraic Systems	3
MATH 337	Elements of Real Analysis	3
MATH 498	Senior Seminar	1-3
Select two courses from the following: ¹		6
MATH 405	Numerical Analysis I	
MATH 406	Numerical Analysis II	
MATH 415	Algebra and Number Theory	
MATH 417	Algebraic Systems	
MATH 423	Geometry II	
MATH 431	Intermediate Analysis I	
MATH 435	Partial Differential Equations	
MATH 439	Topology I	
MATH 450	Complex Variables	
MATH 470	Introduction to Operations Research	
MATH 473	Introduction to Graph Theory	
MATH 482	Probability and Statistics II	

Select six hours from the following: ¹		6
MATH 305	Introduction to Mathematical Modeling	
MATH 315	Theory of Numbers	
MATH 323	Geometry I	
MATH 331	Differential Equations	
MATH 370	Applied Techniques in Mathematics	
MATH 371	Advanced Computational Problem Solving	
MATH 382	Probability and Statistics I	
MATH 398	Seminar ((up to 3 hours))	
MATH 405	Numerical Analysis I	
MATH 406	Numerical Analysis II	
MATH 415	Algebra and Number Theory	
MATH 417	Algebraic Systems	
MATH 423	Geometry II	
MATH 435	Partial Differential Equations	
MATH 439	Topology I	
MATH 450	Complex Variables	
MATH 470	Introduction to Operations Research	
MATH 475	Selected Topics in Mathematics ((up to 3 hours))	
MATH 482	Probability and Statistics II	
STAT 301	Introductory Probability and Applied Statistics	
Total Hours		37-39

Option 2: Major Certifiable for Teaching Secondary Level Mathematics (General Certifiable Major)-36 hours

The student must complete a minimum of 36 hours of mathematics with a second major in Science and Mathematics Education (<https://www.wku.edu/skyteach/>) (reference number 774) with the following requirements:

Code	Title	Hours
Required Courses: ³		
MATH 136	Calculus I	4
MATH 137	Calculus II	4
MATH 237	Multivariable Calculus	4
MATH 304	Functions, Applications and Explorations	3
MATH 307	Introduction to Linear Algebra	3
MATH 310	Introduction to Discrete Mathematics	3
MATH 317	Introduction to Algebraic Systems	3
MATH 323	Geometry I	3
MATH 498	Senior Seminar	1-3
STAT 301	Introductory Probability and Applied Statistics	3
Select a 400-level mathematics course from the following:		3
MATH 405	Numerical Analysis I	
MATH 406	Numerical Analysis II	

MATH 409	History of Mathematics	
MATH 415	Algebra and Number Theory	
MATH 417	Algebraic Systems	
MATH 421	Problem Solving for Secondary Teachers	
MATH 423	Geometry II	
MATH 431	Intermediate Analysis I	
MATH 435	Partial Differential Equations	
MATH 439	Topology I	
MATH 450	Complex Variables	
MATH 470	Introduction to Operations Research	
MATH 482	Probability and Statistics II	
Total Hours		34-36

- ¹ Students make take certain 500-level mathematics courses for undergraduate credit with the approval of the Department Chair in place of courses listed in the elective sections of option 1.
- ² Note: This major is not intended to prepare students adequately for graduate mathematics. Students intending to seek a graduate degree should pursue major 528.
- ³ Before the "professional semester," the student must complete MATH 136, MATH 137, and either MATH 307 or MATH 310 with a grade of "C" or better and achieve a GPA of at least 2.4 in all mathematics program courses.

Finish in Four Plans

Non-Teacher Certifiable Concentration

First Year			
Fall	Hours	Spring	Hours
MATH 136		4 MATH 137	4
CS 180		4 General Elective	3
ENG 100		3 COMM 145	3
Colonnade - Natural & Physical Sciences w/ lab		3-5 HIST 101 or HIST 102	3
		Colonnade - Social & Behavioral Science	3
		14-16	16
Second Year			
Fall	Hours	Spring	Hours
MATH 307		3 MATH 310	3
MATH 237		4 Minor Elective	3
Minor Course		3 Colonnade - Social & Cultural	3
ENG 200		3 Colonnade - Arts & Humanities	3
Colonnade - Natural & Physical Sciences w/ no lab		3 World Language Requirement or General Elective	3
		16	15
Third Year			
Fall	Hours	Spring	Hours
MATH 317		3 MATH 337	3
Math upper-division Elective		3 Math upper-division Elective	3
Minor Course		3 Minor Course	3
Colonnade - Local to Global		3 Colonnade - Systems	3

Colonnade - Writing in the Disciplines	3	General Elective	3
	15		15
Fourth Year			
Fall	Hours	Spring	Hours
Math upper-division Elective		3 MATH 498	3
Minor Course		3 Math upper-division Elective	3
Minor Course or General Elective		3 Minor Course	3
General Elective		3 General Elective	3
General Elective		2 General Elective	3
	14		15

Total Hours 120-122

Teacher Education Concentration

First Year			
Fall	Hours	Spring	Hours
MATH 136		4 MATH 137	4
SMED 101		3 SMED 102	2-3
CS 180 or CS 170		3-4 COMM 145	3
ENG 100		3 HIST 101 or HIST 102	3
Colonnade - Natural & Physical Sciences w/ lab		3-5 Colonnade - Social & Behavioral Science	3
	16-19		15-16

Second Year			
Fall	Hours	Spring	Hours
MATH 307		3 MATH 310	3
MATH 237		4 MATH 304	3
SMED 310		3 SMED 320	3
ENG 200		3 Colonnade - Arts & Humanities	3
Colonnade - Natural & Physical Sciences w/ no lab		3 World Language Requirement or General Elective	3
	16		15

Third Year			
Fall	Hours	Spring	Hours
MATH 317		3 STAT 301	3
MATH 323		3 Math Elective (400 level)	3
SMED 340		3 SMED 360	3
Colonnade - Writing in the Disciplines		3 General Elective	3
Colonnade - Local to Global		3 Colonnade - Systems	3
	15		15

Fourth Year			
Fall	Hours	Spring	Hours
MATH 498		3 SMED 489	3
SMED 470		3 SEC 490	10
Colonnade - Social & Cultural		3	
General Elective		3	
General Elective		3-5	
	15-17		13

Total Hours 120-126

Mathematics, Minor (Minor for Employment in Industry and/or Graduate Studies in Mathematics) (417)

Program Requirements (24 hours)

Code	Title	Hours
MATH 136	Calculus I	4
MATH 137	Calculus II	4
MATH 237	Multivariable Calculus	4
MATH 307 or MATH 370	Introduction to Linear Algebra Applied Techniques in Mathematics	3

Select at least nine hours from the following: 9

300-level MATH courses¹400-level MATH courses¹STAT 301 Introductory Probability and Applied Statistics²

Total Hours 24

¹ Students may not count MATH 302, MATH 304, MATH 308, MATH 403, MATH 411, MATH 413, MATH 421, or MATH 490 toward the minor. MATH 398 may count toward the minor only if the student completes MATH 498. The 300-level course (MATH 307 or MATH 370) taken in the 15-hour core for the minor listed above is not included in these nine hours.

² Students may not count both MATH 382 and STAT 301 in the minor.

Middle Grades Mathematics, Bachelor of Science (730P, 730)

Program Coordinator

Patrick T. Brown, patrick.brown@wku.edu, (270) 745-6247

A major in middle grades mathematics is for students who plan to teach mathematics in grades 5-9 only. The degree requires a second major in Science and Mathematics education (reference number 774). Upon successful completion of both majors, the student will receive a Bachelor of Science degree.

Admission Requirements

Students who wish to declare a 730 middle grades mathematics major will initially be designated as "seeking admission" until the following requirements have been satisfied:

- Complete 3 of the following with a "C" or better in each course: MATH 136, MATH 183, MATH 205, MATH 206, MATH 302.
- Have an overall GPA of at least 2.5 in all middle grades mathematics program courses (MATH 136 and above) completed prior to admission.
- Note: If a course is repeated, then the second grade is used to compute the GPA. If a course is repeated multiple times, then the average of all grades after the first attempt is used to compute the GPA.

Program Requirements (34 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
MATH 136	Calculus I	4
MATH 183 or STAT 301	Introductory Statistics Introductory Probability and Applied Statistics	3
MATH 205	Number Systems and Number Theory for Teachers	3
MATH 206	Fundamentals of Geometry for Teachers	3
MATH 302 or MATH 310	Introduction to Advanced Mathematics for Middle Grades Teachers Introduction to Discrete Mathematics	3
MATH 304	Functions, Applications and Explorations	3
MATH 308	Rational Numbers and Data Analysis for Teachers	3
MATH 403 or MATH 323	Geometry for Elementary and Middle School Teachers Geometry I	3
MATH 411 or MATH 421	Problem Solving for Elementary and Middle School Teachers Problem Solving for Secondary Teachers	3
MATH 413	Algebra and Technology for Middle Grades Teachers	3
MATH 490 or MATH 498	Seminar in Middle Grades Mathematics Senior Seminar	3
Total Hours		34

Students must attain a grade of "C" or better in each required course and must have a 2.5 GPA overall in required mathematics courses.

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
MATH 136		4 MATH 183	3
SMED 101		3 MATH 205	3
ENG 100		3 SMED 102	3
Colonnade: Natural & Physical Sciences		3 COMM 145	3
Colonnade: Arts & Humanities		3 Colonnade: Social & Behavioral	3
		16	15
Second Year			
Fall	Hours	Spring	Hours
MATH 302		3 MATH 206	3
MATH 308		3 MATH 304	3
SMED 310		3 SMED 320	3

ENG 200		3 Colonnade: Natural & Physical Sciences with Lab	3
World Language, if needed OR General Elective		3 World Language, if needed OR General Elective	3
		15	15
Third Year			
Fall	Hours	Spring	Hours
MATH 411		3 MATH 403	3
MATH 413		3 SMED 360	3
SMED 340		3 ENG 300	3
Colonnade: Connections (Social & Cultural)		3 Colonnade: Connections (Local to Global)	3
Elective		3 Elective	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
MATH 490		3 SMED 489	3
SMED 470		3 MGE 490	10
Colonnade: Connections (Systems)		3	
Elective		3	
Elective(s)		4	
		16	13
Total Hours 120			

Department of Physics and Astronomy

Dr. Michael Carini, Chair

Kelly Thompson Hall, Office 2009

Phone: 270-745-4357; Fax: 270-745-2014

Email: info@physics.wku.edu

Website: <http://www.wku.edu/physics> (<http://www.wku.edu/physics/>)

The Department of Physics and Astronomy offers a Bachelor's of Science in Physics, with degree pathways tailorable to meet student career goals.

We have pathways designed for students who chose to pursue careers as physicists in government or industrial laboratories, for careers in engineering and other professional fields, for teaching in public schools, or, for entering advanced programs at the graduate level in Physics, Astronomy or related disciplines (e.g. Medical Physics). Our world renown faculty and state of the art research facilities allow us to provide opportunities for students to engage in hands-on research experiences where they apply their classroom knowledge to real world problems.

Physics laboratories and classrooms are located on the second floor of Kelly Thompson Hall (KTH), the basement and first floor of Ogden College Hall (OCH) and the Applied Physics Institute (API, located at the Center for Research and Development). The Hardin Planetarium, located next door to KTH, supports astronomy laboratories and demonstrations for classes, regular focused presentations of astronomy and the physical universe for school groups and the general public. The observatory on top of KTH provides students with convenient access to the department's 12.5 inch Cassegrain reflector and several smaller telescopes and also provides monthly opportunities for public viewing. Faculty make use of the latest research-based physics teaching pedagogies in all our undergraduate classes. Our physics teaching laboratories are equipped

with modern laboratory equipment and data acquisition interfaces using software that is standard in the physics and engineering community.

Modern laboratory facilities and equipment, rivaling those found at more research focused institutions, allow us to provide student centered research experiences for all Physics majors. The diversity of research engagement possibilities is a major strength of our undergraduate program, allowing students to benefit from a breath of available interest and specializations. Undergraduate students are strongly encouraged to participate in research opportunities with faculty members. Individual student research projects may start as early as the sophomore year, supported in most cases by available assistantships and/or formal course credit. The API houses an X-ray diffractometer, neutron generator, Auger spectrometer, Beowulf Computer Cluster, and a Large Chamber Scanning Electron Microscope. The materials science lab houses a micro-Raman spectrometer and a thermal Chemical Vapor Deposition reactor for nano-carbons and other nanomaterials. The laser lab houses a nanosecond IR laser, excimer laser, spectrophotometer, gas chromatography, and ultrahigh vacuum chamber. The department also operates two research grade astronomical telescopes: the local 0.6m Bell Observatory located 12 miles southwest of WKU and the 1.3 meter Robotically Controlled Telescope (RCT) located outside Tuscon, AZ. Both facilities are available for, and in case of Bell Observatory, operated by undergraduate students. Descriptions of current research studies by faculty members and specific research opportunities available to undergraduate students are available on the department's website.

The department sponsors a local chapter of the nationally affiliated Society of Physics Students (SPS) for students interested in physics, as well as a section of the Sigma Pi Sigma honor society. The local SPS chapter sponsors or participates in a variety of social and service activities related to physics, including field trips, trips to scientific meetings, tutoring, and interacting with students from area schools.

The Hilltopper Astronomy Club provides support for students interested in astronomy both as a hobby and science. Regular observing sessions, informal meetings, and various projects are some of the benefits available to members.

When planning a program of study in physics, each student should be aware of the University's academic requirements and regulations contained in this catalog in the chapter, "Academic Information." Specific attention should be given to the sub-sections in the chapter entitled (a) Academic Programs, (b) Colonnade Requirements, and (c) Academic Requirements and Regulations. All students, from freshman to seniors, are required to meet with their department academic advisor (Dr. Richard Gelderman for freshman and sophomore level students; juniors and seniors are assigned a department advisor after completion of PHYSICS 321) each semester in order to plan their schedule for the following semester and/or to discuss and plan their career options.

Degree

- Physics, Bachelor of Science (754) (p. 305)

Minors

- Astronomy, Minor (318) (p. 304)
- Biophysics, Minor (329) (p. 305)

Faculty Professor

David N. Brown PhD (Physics), Purdue University Main Campus, 1992
Michael T. Carini PhD (Astrophysics), Georgia State University, 1990
Vladimir Dobrokhotov PhD (Physics), University of Idaho, 2006
A. G. Emslie PhD (Astronomy), University of Glasgow, 1979
Douglas L. Harper PhD (Physics), Vanderbilt University, 1991
Charles H. McGruder PhD, University of Heidelberg, 1974

Associate Professor

Scott W. Bonham PhD (Physics), University of Illinois at Urbana-Champaign, 1997
Ali Er PhD (Physics), Old Dominion University, 2011
Steven J. Gibson PhD (Astronomy, Physics), University of Wisconsin-Madison, 1997
Ivan S. Novikov PhD (Mathematics, Physics), St. Petersburg State U-Russia, 2000

Assistant Professor

Jasminka Terzic PhD (Physics), University of Kentucky, 2016

Instructor II

Jason R. Boyles PhD (Physics), West Virginia University, 2011
Ting-Hui Lee PhD (Physics and Astronomy), University of Calgary-Canada, 2004

Astronomy, Minor (318)

Program Requirements (19-20 hours)

The minor in astronomy is designed to provide a background in astronomy for students with a range of backgrounds. Science majors can choose from a variety of specializations connecting to other fields (Option A below), such as astrobiology, astrochemistry, astrostatistics, or planetary science. Students in other disciplines may still obtain a firm grounding in basic astronomy and physics, supplemented with relevant courses from other fields (Option B below).

A minor in astronomy consists of 19-20 credit hours.

Option A

Code	Title	Hours
Option A: Required Courses		
ASTR 214	General Astronomy	4
ASTR 314	Observational Astronomy	4
Option A: Electives ¹		12
Students choose a specialization area that interests them and take a minimum of two courses (at least 6 hours) from this area, plus enough other courses from the list of general elective courses to reach the 20 hour program option requirement.		
Total Hours		20

- ¹ **Option A: Special Elective Courses (6+ hours)**
Astrophysics: ASTR 305, ASTR 414, PHYS 321, PHYS 350
Astrochemistry: ASTR 305, CHEM 340, CHEM 342, CHEM 420, CHEM 450, CHEM 452
Astrobiology: ASTR 305, BIOL 316, BIOL 319
Astronomical Instrumentation: ASTR 305, EE 445, EE 479
Astrostatistics: ASTR 305, STAT 301, STAT 330
Planetary Science: ASTR 305, GEOL 325, GEOL 330, GEOL 430, GEOL 465, METR 438, METR 439
Option A: General Elective Courses
 ASTR 305, ASTR 414, PHYS 180, PHYS 231, PHYS 255, PHYS 265, PHYS 321, PHYS 332, PHYS 465

Option B

Code	Title	Hours
Option B: Required Courses		
ASTR 314	Observational Astronomy	4
Choose two of the following courses:		6
PHYS 103	Light, Color and Vision	
ASTR 104	Astronomy of the Solar System	
ASTR 106	Astronomy of Stellar Systems	
Option B: Electives		9
Students choose three unduplicated courses from the following list:		
ASTR 305	Introduction to Astrobiology	
COMM 365	Intercultural Communication	
PHYS 489	Internship in Physics and Astronomy	
REC 434	Interpreting America's National Parks	
ASTR 104, ASTR 106, and PHYS 103 may apply if not used in Option B: Required Courses.		
Total Hours		19

Students may petition the department to replace one of the above elective course with a different 3-hour course with a demonstrable connection to astronomy. The minor must include at least 10 credit hours at the 300-level or above.

Biophysics, Minor (329)

Program Requirements (18 hours)

The minor in biophysics requires a minimum of 18 semester hours. This course sequence is intended to serve students of the life sciences, that is, students of biology, pre-medicine and pre-dental, agriculture, environmental health, psychology, science teaching, environmental engineering, pre-veterinary, pre-pharmacy and pre-optometry. In general, this curriculum treats the physics of life processes and various applications of physics to biology and medicine. (See the Biophysics section in this catalog.)

Code	Title	Hours
PHYS 231 & PHYS 232	Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I	4

PHYS 332 & PHYS 233	Introduction to Physics and Biophysics II and Laboratory for Physics and Biophysics II	4
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Select one of the following: 4

PHYS 335	General Biophysics	
PHYS 337	Medical Imaging	
PHYS 431	Radiation Biophysics	
PHYS 359	Clinical Optics	
PHYS 379	Nanotechnology in Biophysics and Medicine	

Select at least 6 hours of upper division electives selected from appropriate physics and/or biology courses approved by a biophysics advisor 6

Total Hours 18

Physics, Bachelor of Science (754)

The Physics Major (reference number 754) can, by proper choice of electives, prepare students for a wide variety of careers in STEM, graduate work in physics, astronomy, and related fields or professional schools such as medical school.

Concentrations

- Physics Education (PHEU)

Program Requirements (35 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major in physics requires a minimum of 35 semester hours and leads to a Bachelor of Science degree. A minor or second major is required. The foundation for the undergraduate major is provided by a core sequence of six lecture and five laboratory courses, requiring a total of 29 semester hours.

Code	Title	Hours
Core Sequence		
PHYS 180 & PHYS 181	Introductory Modern Physics and Introductory Modern Physics Laboratory	4
PHYS 255 & PHYS 256	University Physics I and University Physics I Lab	5
PHYS 265 & PHYS 266	University Physics II and University Physics II Laboratory	5
PHYS 301	Electrical Measurements Laboratory	1
PHYS 302	Atomic Physics Laboratory	1
PHYS 316 or PHYS 318	Computational Physics Data Acquisition Using Labview	3
PHYS 321	Introductory Modern Physics II	3
PHYS 350	Classical Mechanics I	3

PHYS 398	Junior Seminar	0.5
PHYS 440	Electricity and Magnetism I	3
PHYS 498	Senior Seminar	0.5
Select a minimum of 6 semester hours of upper division departmental courses ¹		6
Total Hours		35

¹ The selection is determined by the student's career aspirations, subject to approval by the student's departmental advisor. The upper division electives must be chosen from the courses listed for departmental majors and minors, excluding PHYS 389, PHYS 399, and PHYS 489.

No more than 3 hours of PHYS 475 may be counted toward the 35 hour minimum requirement for the major.

Code	Title	Hours
Support Requirements		
MATH 136	Calculus I	4
MATH 137	Calculus II	4
MATH 237	Multivariable Calculus	4
MATH 307	Introduction to Linear Algebra (or MATH 370 for applied physics track)	3
MATH 331	Differential Equations	3
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	5

(Support requirements differ for teacher certification; see below.) The department has prepared several career-oriented tracks, which detail relevant departmental electives and additional or departmentally-approved substitute support courses. Advising tracks currently defined within the Bachelor of Science in physics program include the following:

1. The general physics track is designed for those students who wish to pursue careers as physicists or are preparing for graduate study in physics.
2. The applied physics track combines extensive technical knowledge, related problem-solving skills, and computer techniques and internship opportunities to prepare students for positions in industrial and governmental laboratories.
3. The physics and astronomy track prepares students for careers in astronomy/space science and for graduate study in these areas.
4. The teacher certification track prepares students for careers teaching physics at the secondary school level. The student must also complete professional education requirements as specified by the School of Teacher Education. Students in this option must have a second major in science and math education (SMED).
5. Other - There are some specified programs such as a suggested pre-medicine curriculum for students wishing to major in physics. Course recommendations for these tracks are available from the departmental office. In all cases, the student must work closely with the departmental advisor from the beginning to plan a program of study that meets departmental and University requirements and that maximizes preparation to meet career goals.

Transfer of Credit

Transfer courses are welcomed and approved through the Physics faculty and College Dean.

Finish in Four Plans Physics, No Concentration

First Year			
Fall	Hours	Spring	Hours
PHYS 180		3 PHYS 255	4
PHYS 181		1 PHYS 256	1
MATH 136		4 MATH 137	4
ENG 100		3 CHEM 120	3
COMM 145		3 CHEM 121	2
		HIST 101 or HIST 102	3
		PHYS 299	1
		14	18

Second Year			
Fall	Hours	Spring	Hours
PHYS 265		4 PHYS 321	3
PHYS 266		1 MATH 331	3
MATH 237		4 PHYS 301	1
MATH 307 or MATH 370		3 ENG 300	3
ENG 200		3 Colonnade	3
		Colonnade	3
		15	16

Third Year			
Fall	Hours	Spring	Hours
PHYS 350		3 PHYS 480 (or PHYS 441/404)	3
PHYS 470 & PHYS 407 (or PHYS 460/406 or PHYS 425)		4 PHYS 316	3
PHYS 302		1 PHYS 398	0.5
MATH 435		3 PHYS 450 or PHYS 445	3
PHYS 330		3 MATH 382	3
Colonnade		3 Colonnade	3
		17	15.5

Fourth Year			
Fall	Hours	Spring	Hours
PHYS 470 & PHYS 407 (or PHYS 460/406 or PHYS 425)		4 PHYS 445 or PHYS 450	3
PHYS 440		3 MATH 450	3
PHYS 498		0.5 PHYS 480 (or PHYS 441/404)	3
PHYS 318		3 Colonnade	3
Colonnade		3	
Colonnade		3	
		16.5	12

Total Hours 124

Physics, Physics Education

First Year			
Fall	Hours	Spring	Hours
PHYS 180		3 PHYS 255	4
PHYS 181		1 PHYS 256	1
MATH 136		4 MATH 137	4
ENG 100		3 PHIL 215 or EE 180	3
Colonnade - Arts & Humanities		3 HIST 101 or HIST 102	3
SMED 101		3 SMED 102	3
COMM 145		3	
		20	18

Second Year

Fall	Hours	Spring	Hours
PHYS 265		4 PHYS 321	3
PHYS 266		1 PHYS 301	1
MATH 237		4 MATH 307	3
ENG 200		3 CHEM 120	3
SMED 310		3 CHEM 121	2
		SMED 320	3
		15	15

Third Year

Fall	Hours	Spring	Hours
PHYS 302		1 PHYS 440	3
PHYS 350		3 PHYS 398	0.5
PHYS 316 or PHYS 318		3 Colonnade - Social & Cultural	3
ENG 300		3 Colonnade - Local to Global	3
SMED 340		3 SMED 360	3
MATH 331		3 SPED 330	3
		16	15.5

Fourth Year

Fall	Hours	Spring	Hours
PHYS upper-division Elective		3 SMED 489	3
PHYS upper-division Elective		3 SEC 490	10
PHYS 498		0.5	
Colonnade - Systems		3	
SMED 470		3	
LTCY 421		3	
		15.5	13

Total Hours 128

Department of Psychological Sciences

Dr. Kelly Madole, Chair

Kelly Thompson Hall, First Floor

Phone: 270-745-3918

Website: <http://www.wku.edu/psychological-sciences/index.php> (<http://www.wku.edu/psychological-sciences/>)Facebook: <http://www.facebook.com/PsychologicalSciencesatWKU> (<http://www.facebook.com/PsychologicalSciencesatWKU/>)E-mail: psychsciences@wku.edu

Psychology is one of the most popular areas of interest for students worldwide. Studying human behavior from a scientific perspective offers numerous opportunities for students. A degree in Psychological Science can open up a wide variety of career options or serve as a foundation for graduate or professional study because, in addition to learning how to understand people, our curriculum emphasizes learning how to collect, analyze, and think critically about data.

Our B.S. degree in Psychological Science was designed to meet the American Psychological Association's guidelines for a high quality undergraduate psychology program by offering both the depth and breadth that students need for additional graduate or professional study or in the workplace. One of the most unique aspects of our program is the option to specialize in one of a number of thematic concentrations. Students gain hands-on experiences in lab courses, and they also have outstanding opportunities to collaborate with faculty and other students

on a wide range of research topics. Psychological science students explore clinical psychology, neuroscience, cognition, developmental science, social psychology, industrial/organizational psychology, perception, and experimental psychology.

Degree

- Psychological Science, Bachelor of Science (747) (p. 308)

Minors

- Neuroscience, Minor (434) (p. 307)
- Psychological Science, Minor (440) (p. 313)

Faculty

Professor

Gordon C. Baylis PhD (Neuroscience), University of Oxford, 1985
 Amy M. Brausch PhD (Psychology), Northern Illinois University, 2008
 Reagan D. Brown PhD (Psychology), Virginia Tech, 1997
 Kelly L. Madole PhD (Psychology), University of Texas at Austin, 1992
 Andrew S. Mienaltowski PhD (Psychology), Georgia Institute of Tech, 2008
 James F. Norman PhD (Psychology), Vanderbilt University, 1990
 Matthew C. Shake PhD (Educational Psychology), University of Illinois at Urbana-Champaign, 2009

Associate Professor

Leslie L. Baylis PhD (Experimental Psychology), University of Oxford, 1990
 Lance W. Hahn PhD (Psychology), University of Texas at Austin, 1994
 Diane M. Lickenbrock PhD (Psychology), University of Notre Dame, 2010
 Aaron L. Wichman PhD (Psychology), The Ohio State University Main Campus, 2005

Assistant Professor

Katrina A. Burch PhD (Industrial/Organizational Psychology), University of Connecticut, 2018
 Xiaowen Chen PhD (Industrial/Organizational Psychology), Florida Institute Technology, 2020
 Jenni B. Teeters PhD (Psychology), University of Memphis, 2017
 Matthew J. Woodward PhD (Psychology), University of Memphis, 2017

Instructor I

Kendra N. Rigney MS (Psychology), Western Kentucky University, 2022
 Kelli R. Truelove MED, Lindsey Wilson College, 2011

Neuroscience, Minor (434)

Program Requirements (21 hours)

The minor in Neuroscience offers students the opportunity to study the intersection of brain and behavior in a manner that incorporates tools and perspectives from the psychological and biological sciences, and related disciplines. This minor will be an attractive option for students who are:

1. Planning to pursue advanced study in any of several fields related to neuroscience, including psychology, biology, medicine, counseling, or social work or
2. Seeking relevant training for jobs related to the assessment, rehabilitation, and treatment of brain damage, brain diseases, and addiction.

Code	Title	Hours
PSYS 360	Behavioral Neuroscience	3
BIOL 335	Neurobiology	3

Select 15 credit hours in electives from the following courses:

15

PSYS 331	Principles of Human and Animal Learning
PSYS 333	Cognitive Psychology
PSYS 363	Sensory and Perceptual Systems
PSYS 462	Neuroscience of Learning and Memory
PSYS 463	Evolutionary Psychology
PSYS 465	Psychopharmacology
PSYS 482	Psychology of Sexuality
BIOL 319	Introduction to Molecular and Cell Biology
BIOL 324	Histology
BIOL 327	Genetics
BIOL 334	Animal Behavior
BIOL/CHEM 446	Biochemistry I
BIOL 464	Endocrinology
PHIL 332	Philosophy of Mind: Minds and Machines

Total Hours

21

Note: Students must choose at least 1 course from Biology and Psychological Sciences. Students must take PSYS 100 or PSYS 160 and BIOL 120/BIOL 121 prior to beginning their coursework in the minor (some courses available for the minor may have additional prerequisites).

Psychological Science, Bachelor of Science (747)

Program Coordinator

Andrew S. Mienaltowski, andrew.mienaltowski@wku.edu, (270) 745-3918

The Department of Psychological Sciences offers programs designed for students who are interested in a science-oriented degree that will prepare them for graduate study in psychology or a related field (e.g., medical school, pharmacy, physical therapy) or for employment in jobs where strong quantitative and research skills are required.

Concentrations

- Applied Psychological Science (PAPS)
- Biobehavioral Psychology (PBBP)
- Clinical Psychological Science (PCPS)
- Cognitive Psychology (PCGP)
- Developmental Science (PDVS)
- Social Psychology (PSOP)
- Quantitative Psychology (PSQP)
- General (PGEN)

Program Requirements (37-49 hours)

The department provides two options for the Bachelor of Science degree. The non-extended option requires a minimum of 37 credit hours and a minor or second major is required. The extended option requires a minimum of 49 unduplicated credit hours and no minor or second major is required. For both options, students will complete a program of study that includes Core and Concentration components as well as a Laboratory Experience component. To complete the Core requirement, students will select a total of 25 to 28 credit hours from the following

categories: Foundations of Psychology, Developmental Processes, Learning and Cognition, Individual Differences and Social Processes, Biological Bases of Behavior and Mental Processes, Research Methods and Statistics, and Integrative Science in Psychology. To complete the Concentration requirement, students will select courses from one or two of the six thematic concentrations or they may design a general concentration (subject to approval by their advisor). To complete the Laboratory Experience component, students will complete one PSYS lab course or one PSYS lecture / lab course at the 300-level or above. Students in the non-extended option will complete 12 credit hours from one thematic concentration, or design a custom concentration by selecting 12-24 hours from PSYS courses not used to satisfy their Core requirement. Students choosing the extended option will complete 24 credit hours from two concentrations or 24 – 25 hours from the quantitative psychology concentration.

Students must maintain a minimum 2.50 GPA both overall and in the major. Either

1. MATH 116 and MATH 117, or
2. MATH 118 or higher is required; MATH 183 is recommended.

Students who select the extended option with the quantitative psychology concentration must complete MATH 136.

Students in the non-extended option of the Psychological Science major can count no more than 3 credits of PSYS 490 toward the major. Students in the extended option may count no more than 6 credits of PSYS 490 towards the major, with no more than 3 credits counting toward a single concentration's requirements. PSYS 300 is recommended to meet the Colonnade: Writing in the Disciplines requirement but does not satisfy major requirements.

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Concentrations for the general and extended major:

- Applied Psychological Science (<https://www.wku.edu/psychological-sciences/undergrad/appsci.php>)
- Biobehavioral Psychology (<https://www.wku.edu/psychological-sciences/undergrad/biobehps.php>)
- Clinical Psychological Science (<https://www.wku.edu/psychological-sciences/undergrad/clpsysc.php>)
- Cognitive Psychology (<https://www.wku.edu/psychological-sciences/undergrad/cogpsysc.php>)
- Developmental Science (<https://www.wku.edu/psychological-sciences/undergrad/devpsci.php>)
- Social Psychology (<https://www.wku.edu/psychological-sciences/undergrad/socpsysc.php>)
- Quantitative Psychology (<https://www.wku.edu/psychological-sciences/undergrad/quantcon.php>)
- General Concentration (<https://www.wku.edu/psychological-sciences/undergrad/designownps.php>)

Applied Psychological Science Concentration

This concentration focuses on how psychological science can be used to solve real-world problems in business, sports, or human engineering domains.

Code	Title	Hours
Core Courses		
PSYS 100 or PSYS 160	Introduction to Psychology Introduction to Biopsychology	3
PSYS 220 or PSYS 321	Introduction to Lifespan Developmental Psychology Child Developmental Psychology	3
PSYS 333	Cognitive Psychology	3
PSYS 350	Social Psychology	3
Select one of the following:		3
PSYS 360	Behavioral Neuroscience	
PSYS 363	Sensory and Perceptual Systems	
PSYS 210	Research Methods in Psychology	3
PSYS 211	Research Methods in Psychology Laboratory	1
PSYS 313	Statistics in Psychology	3
Select one of the following:		3
PSYS 380	Psychology and Science Fiction	
PSYS 481	History of Psychology	
PSYS 490	Independent Study in Psychological Sciences	
Concentration Courses		
Required Course:		
PSYS 413	Psychological Measurement	
Select 9 hours from the following:		9
PSYS 353	Psychology of Prejudice and Stereotyping	
PSYS 360 or PSYS 363	Behavioral Neuroscience Sensory and Perceptual Systems	
PSYS 370	Industrial / Organizational Psychology	
PSYS 433	Judgment and Decision Making	
PSYS 450	Psychology of Personality	
PSYS 473	Training in Business and Industry	
PSYS 481	History of Psychology	
PSYS 490	Independent Study in Psychological Sciences	
PSYS 499	Senior Seminar in Psychology	
PSY 340	Sport Psychology	
PSY 355	Issues in Cross-Cultural Psychology	
PSY 412	Psychology of Motivation and Emotion	
PSY 470	Psychology and Law	
Laboratory Experience		
PSYS 413	Psychological Measurement	3
Total Hours		37

Biobehavioral Psychology Concentration

This concentration provides knowledge of the biological bases of behavior and thought.

Code	Title	Hours
Core Courses		
PSYS 100 or PSYS 160	Introduction to Psychology Introduction to Biopsychology	3
PSYS 220 or PSYS 321	Introduction to Lifespan Developmental Psychology Child Developmental Psychology	3
PSYS 331	Principles of Human and Animal Learning	3
PSYS 350 or PSYS 440	Social Psychology Abnormal Psychology	3
PSYS 360	Behavioral Neuroscience	3
PSYS 210	Research Methods in Psychology	3
PSYS 211	Research Methods in Psychology Laboratory	1
PSYS 313	Statistics in Psychology	3
Select one of the following:		3
PSYS 380	Psychology and Science Fiction	
PSYS 481	History of Psychology	
PSYS 490	Independent Study in Psychological Sciences	
Concentration Courses		
PSYS 363	Sensory and Perceptual Systems	3
Select 9 hours from the following:		9
PSYS 333	Cognitive Psychology	
PSYS 431	Psychology of Language	
PSYS 444	Psychology of Substance Use Disorders	
PSYS 462	Neuroscience of Learning and Memory	
PSYS 463	Evolutionary Psychology	
PSYS 465	Psychopharmacology	
PSYS 482	Psychology of Sexuality	
PSYS 490	Independent Study in Psychological Sciences	
PSYS 499	Senior Seminar in Psychology	
Laboratory Experience		
Select one course from the following:		1-3
PSYS 322	Laboratory in Developmental Psychology	
PSYS 334	Laboratory in Cognition	
PSYS 365	Laboratory in Behavioral Neuroscience	
PSYS 413	Psychological Measurement	
PSYS 415	Programming for Social Sciences	
Total Hours		38-40

Clinical Psychological Science Concentration

This concentration focuses on mechanisms and etiologies of psychological health and dysfunction.

Code	Title	Hours
Core Courses		
PSYS 100 or PSYS 160	Introduction to Psychology Introduction to Biopsychology	3
PSYS 220 or PSYS 321	Introduction to Lifespan Developmental Psychology Child Developmental Psychology	3
PSYS 331 or PSYS 333	Principles of Human and Animal Learning Cognitive Psychology	3
PSYS 440	Abnormal Psychology	3
PSYS 210	Research Methods in Psychology	3
PSYS 211	Research Methods in Psychology Laboratory	1
PSYS 313	Statistics in Psychology	3
Select one of the following:		3
PSYS 360	Behavioral Neuroscience	
PSYS 363	Sensory and Perceptual Systems	
Select one of the following:		3
PSYS 380	Psychology and Science Fiction	
PSYS 481	History of Psychology	
PSYS 490	Independent Study in Psychological Sciences	
Concentration Courses		
Select 12 hours from the following:		12
PSYS 350	Social Psychology	
PSYS 353	Psychology of Prejudice and Stereotyping	
PSYS 360	Behavioral Neuroscience	
PSYS 413	Psychological Measurement	
PSYS 423	Psychology of Adult Life and Aging	
PSYS 425	Developmental Psychopathology	
PSYS 442	Psychology of Suicide and Self- Injury	
PSYS 444	Psychology of Substance Use Disorders	
PSYS 450	Psychology of Personality	
PSYS 451	Psychology of Religion	
PSYS 453	Psychology of Women	
PSYS 462	Neuroscience of Learning and Memory	
PSYS 465	Psychopharmacology	
PSYS 481	History of Psychology	
PSYS 482	Psychology of Sexuality	
PSYS 490	Independent Study in Psychological Sciences	
PSYS 499	Senior Seminar in Psychology	
Laboratory Experience		1-3
Select one course from the following:		
PSYS 322	Laboratory in Developmental Psychology	
PSYS 334	Laboratory in Cognition	
PSYS 365	Laboratory in Behavioral Neuroscience	

PSYS 413	Psychological Measurement
PSYS 415	Programming for Social Sciences
Total Hours	38-40

Cognitive Psychology Concentration

This concentration emphasizes the scientific study of mental processes such as attention, perception, memory, problem-solving, thinking, and language use.

Code	Title	Hours
Core Courses		
PSYS 100 or PSYS 160	Introduction to Psychology Introduction to Biopsychology	3
PSYS 220 or PSYS 321	Introduction to Lifespan Developmental Psychology Child Developmental Psychology	3
PSYS 333	Cognitive Psychology	3
PSYS 350 or PSYS 440	Social Psychology Abnormal Psychology	3
Select one of the following:		3
PSYS 360	Behavioral Neuroscience	
PSYS 363	Sensory and Perceptual Systems	
PSYS 210	Research Methods in Psychology	3
PSYS 211	Research Methods in Psychology Laboratory	1
PSYS 313	Statistics in Psychology	3
Select one of the following:		3
PSYS 380	Psychology and Science Fiction	
PSYS 481	History of Psychology	
PSYS 490	Independent Study in Psychological Sciences	

Concentration Courses		
Select 12 hours from the following:		12
PSYS 331	Principles of Human and Animal Learning	
PSYS 363	Sensory and Perceptual Systems	
PSYS 423	Psychology of Adult Life and Aging	
PSYS 431	Psychology of Language	
PSYS 433	Judgment and Decision Making	
PSYS 462	Neuroscience of Learning and Memory	
PSYS 490	Independent Study in Psychological Sciences	
PSYS 499	Senior Seminar in Psychology	
PSY 412	Psychology of Motivation and Emotion	

Laboratory Experience

Select one of the following courses:		1-3
PSYS 322	Laboratory in Developmental Psychology	
PSYS 334	Laboratory in Cognition	
PSYS 365	Laboratory in Behavioral Neuroscience	
PSYS 413	Psychological Measurement	

PSYS 415	Programming for Social Sciences
Total Hours	38-40

Developmental Science Concentration

This addresses the physical, emotional, intellectual, social, perceptual, and personality growth of humans throughout the lifespan.

Code	Title	Hours
Concentration Courses		
Core Courses		
PSYS 100	Introduction to Psychology	3
or PSYS 160	Introduction to Biopsychology	
PSYS 220	Introduction to Lifespan Developmental Psychology	3
or PSYS 321	Child Developmental Psychology	
PSYS 331	Principles of Human and Animal Learning	3
or PSYS 333	Cognitive Psychology	
PSYS 350	Social Psychology	3
or PSYS 440	Abnormal Psychology	
Select one of the following:		3
PSYS 360	Behavioral Neuroscience	
PSYS 363	Sensory and Perceptual Systems	
PSYS 210	Research Methods in Psychology	3
PSYS 211	Research Methods in Psychology Laboratory	1
PSYS 313	Statistics in Psychology	3
Select one of the following:		3
PSYS 380	Psychology and Science Fiction	
PSYS 481	History of Psychology	
PSYS 490	Independent Study in Psychological Sciences	
Select 12 hours from the following:		12
PSYS 220	Introduction to Lifespan Developmental Psychology	
PSYS 321	Child Developmental Psychology	
PSYS 423	Psychology of Adult Life and Aging	
PSYS 424	Topics in Developmental Psychology	
PSYS 425	Developmental Psychopathology	
PSYS 431	Psychology of Language	
PSYS 463	Evolutionary Psychology	
PSYS 482	Psychology of Sexuality	
PSYS 490	Independent Study in Psychological Sciences	
PSYS 499	Senior Seminar in Psychology	
Laboratory Experience		
Select one of the following courses:		1-3
PSYS 322	Laboratory in Developmental Psychology	
PSYS 334	Laboratory in Cognition	
PSYS 365	Laboratory in Behavioral Neuroscience	
PSYS 413	Psychological Measurement	

PSYS 415	Programming for Social Sciences
Total Hours	38-40

Social Psychology Concentration

This concentration emphasizes the study of how social situations affect behavior.

Code	Title	Hours
Core Courses		
PSYS 100	Introduction to Psychology	3
or PSYS 160	Introduction to Biopsychology	
PSYS 220	Introduction to Lifespan Developmental Psychology	3
or PSYS 321	Child Developmental Psychology	
PSYS 331	Principles of Human and Animal Learning	3
or PSYS 333	Cognitive Psychology	
PSYS 350	Social Psychology	3
Select one of the following:		3
PSYS 360	Behavioral Neuroscience	
PSYS 363	Sensory and Perceptual Systems	
PSYS 210	Research Methods in Psychology	3
PSYS 211	Research Methods in Psychology Laboratory	1
PSYS 313	Statistics in Psychology	3
Select one of the following:		3
PSYS 380	Psychology and Science Fiction	
PSYS 481	History of Psychology	
PSYS 490	Independent Study in Psychological Sciences	
Concentration Courses		
PSYS 413	Psychological Measurement	
Select 9 hours from the following:		9
PSYS 353	Psychology of Prejudice and Stereotyping	
PSYS 433	Judgment and Decision Making	
PSYS 440	Abnormal Psychology	
PSYS 450	Psychology of Personality	
PSYS 451	Psychology of Religion	
PSYS 453	Psychology of Women	
PSYS 463	Evolutionary Psychology	
PSYS 482	Psychology of Sexuality	
PSYS 490	Independent Study in Psychological Sciences	
PSYS 499	Senior Seminar in Psychology	
PSY 412	Psychology of Motivation and Emotion	
Laboratory Experience		3
PSYS 413	Psychological Measurement	
Total Hours		37

General Concentration

This concentration allows students, with help from their advisor, to design an individualized theme.

Code	Title	Hours
Core Courses		
PSYS 100 or PSYS 160	Introduction to Psychology Introduction to Biopsychology	3
PSYS 220 or PSYS 321	Introduction to Lifespan Developmental Psychology Child Developmental Psychology	3
PSYS 331 or PSYS 333	Principles of Human and Animal Learning Cognitive Psychology	3
PSYS 350 or PSYS 440	Social Psychology Abnormal Psychology	3
Select one of the following:		3
PSYS 360	Behavioral Neuroscience	
PSYS 363	Sensory and Perceptual Systems	
PSYS 210	Research Methods in Psychology	3
PSYS 211	Research Methods in Psychology Laboratory	1
PSYS 313	Statistics in Psychology	3
Select one of the following:		3
PSYS 380	Psychology and Science Fiction	
PSYS 481	History of Psychology	
PSYS 490	Independent Study in Psychological Sciences	
Concentration Courses		
Select 12-24 hours of electives from PSYS courses not used to satisfy Core requirements		12-24
Laboratory Experience		
Select one of the following courses:		1-3
PSYS 322	Laboratory in Developmental Psychology	
PSYS 334	Laboratory in Cognition	
PSYS 365	Laboratory in Behavioral Neuroscience	
PSYS 413	Psychological Measurement	
PSYS 415	Programming for Social Sciences	
Total Hours		38-52

Quantitative Psychology Concentration

This concentration focuses on the use of advanced data manipulation and statistical analysis techniques within psychological science to examine discipline-specific research questions. This concentration requires at least 49 hours, so students do not need a minor or second major. Also, students in this concentration do not select another concentration within the Psychological Science Major.

Code	Title	Hours
Core Courses		
PSYS 100 or PSYS 160	Introduction to Psychology Introduction to Biopsychology	3
PSYS 220 or PSYS 321	Introduction to Lifespan Developmental Psychology Child Developmental Psychology	3
PSYS 331	Principles of Human and Animal Learning	3

or PSYS 333	Cognitive Psychology	
PSYS 350 or PSYS 440	Social Psychology Abnormal Psychology	3
Select one of the following:		3
PSYS 360	Behavioral Neuroscience	
PSYS 363	Sensory and Perceptual Systems	
PSYS 210	Research Methods in Psychology	3
PSYS 211	Research Methods in Psychology Laboratory	1
PSYS 313	Statistics in Psychology	3
Select one of the following:		3
PSYS 380	Psychology and Science Fiction	
PSYS 481	History of Psychology	
PSYS 490	Independent Study in Psychological Sciences	
Concentration Courses		
Select one of the following:		3-4
CS 146	Introduction to Programming	
CS 170	Problem Solving and Programming	
CS 180	Computer Science I	
STAT 301	Introductory Probability and Applied Statistics	3
STAT 330	Introduction to Statistical Software	3
STAT 401 or STAT 402	Regression Analysis Experimental Design	3
PSYS 413	Psychological Measurement	3
Select 9 PSYS upper-level elective hours selected in consultation with an advisor		9
Laboratory Experience		
PSYS 413	Psychological Measurement	
Total Hours		49-50

Finish in Four Plans

Psychological Science, General

First Year			
Fall	Hours	Spring	Hours
PSYS 100		3 PSYS Foundation Course	3
MATH 183		3 PSYS 160	3
ENG 100		3 PSYS 210	3
COMM 145		3 PSYS 211	1
Elective or Minor Course		3 Colonnade	3
		Elective or Minor Course	3
		15	16
Second Year			
Fall	Hours	Spring	Hours
PSYS 313		3 PSYS Foundation Course	3
ENG 200		3 PSYS Foundation Course	3
Colonnade or Elective Course		3 Minor Course	3
Minor Course		3 Colonnade or Elective Course	3

Colonnade or Elective Course	3	Colonnade or Elective Course	3
	15		15
Third Year			
Fall	Hours	Spring	Hours
PSYS Concentration Course		3 PSYS Concentration Course	3
PSYS Foundation Course/Lab Course		3-4 ENG 300	3
Minor Course		3 Minor Course	3
Minor Course		3 Minor Course	3
Colonnade or Elective Course		3 Colonnade or Elective Course	3
	15-16		15
Fourth Year			
Fall	Hours	Spring	Hours
PSYS Concentration Course		3 PSYS Concentration Course	3
PSYS Integrative Science Course		3 PSYS Concentration Course	3
Colonnade or Elective Course		3 Colonnade or Elective Course	3
Colonnade or Elective Course		3 Colonnade or Elective Course	3
	15		15
Total Hours 121-122			

Psychological Science, Extended

First Year			
Fall	Hours	Spring	Hours
MATH 183		3 PSYS Foundation Course	3
PSYS 100		3 PSYS 160	3
ENG 100		3 PSYS 210	3
COMM 145		3 PSYS 211	1
Elective or Colonnade Course		3 Colonnade	3
		Elective or Colonnade Course	3
	15		16
Second Year			
Fall	Hours	Spring	Hours
PSYS 313		3 PSYS Foundation Course	3
ENG 200		3 PSYS Foundation or Concentration Course	3
PSYS Foundation Course		3 Minor Course	3
Colonnade or Elective Course		3 Colonnade or Elective Course	3
Colonnade or Elective Course		3 Colonnade or Elective Course	3
	15		15
Third Year			
Fall	Hours	Spring	Hours
PSYS Concentration Course		3 PSYS Concentration Course	3
PSYS Foundation Course/Lab Course		3-4 PSYS Concentration Course	3
Colonnade or Elective Course		3 ENG 300	3
Colonnade or Elective Course		3 Colonnade or Elective Course	3

Colonnade or Elective Course	3	Colonnade or Elective Course	3
	15-16		15
Fourth Year			
Fall	Hours	Spring	Hours
PSYS Concentration Course		3 PSYS Concentration Course	3
PSYS Concentration Course		3 PSYS Concentration Course	3
PSYS Integrative Science Course		3 Colonnade or Elective Course	3
Colonnade or Elective Course		3 Colonnade or Elective Course	3
Colonnade or Elective Course		3 Colonnade or Elective Course	3
	15		15
Total Hours 121-122			

Psychological Science, Minor (440) Program Requirements (22 hours)

The minor in Psychological Science provides graduates with a broad overview of the discipline as well as exposure to the foundations of the discipline. The Psychological Science minor focuses students on becoming more engaged and critical consumers of the science underlying psychology through courses informed by current research and practice in the scientific study of individual and collective behavior, the physical and environmental bases of behavior, and the analysis and treatment of behavioral problems. This minor might appeal to students who are in a pre-professional track (e.g., pre-med) or to students majoring in disciplines where psychological science can inform research and practice (e.g., biology, computer science, philosophy, religious studies, nursing, communication disorders, management, etc.).

Code	Title	Hours
Required Courses		
PSYS 100 or PSYS 160	Introduction to Psychology Introduction to Biopsychology	3
PSYS 210 & PSYS 211	Research Methods in Psychology and Research Methods in Psychology Laboratory	4
Individual Differences and Social Processes (Category A)		
PSYS 350 or PSYS 440	Social Psychology Abnormal Psychology	3
Learning, Cognition, and Biopsychology (Category B)		
Select one of the following:		3
PSYS 331	Principles of Human and Animal Learning	
PSYS 333	Cognitive Psychology	
PSYS 360	Behavioral Neuroscience	
PSYS 363	Sensory and Perceptual Systems	
Developmental Processes (Category C)		
Select one of the following:		3
PSYS 220	Introduction to Lifespan Developmental Psychology	
PSYS 321	Child Developmental Psychology	
PSYS 423	Psychology of Adult Life and Aging	
Additional Upper-level Courses ¹		

Select six additional upper-level credit hours of PSYS courses ²	6
Total Hours	22

- ¹ The six additional upper-level credit hours of PSYS courses can include the above restricted elective courses that were not taken to meet the other requirements or any other upper-level PSYS hours. These hours can include no more than 3 credit hours of PSYS 490.
- ² PSYS 300 can be taken to satisfy 3 of the 6 credit hours for these upper-level electives.

Interdisciplinary Programs Certificate

- Brewing and Distilling Arts & Sciences, Certificate (1733) (p. 182)
- Emergency Management Disaster Science, Certificate (1748) (p. 314)

Emergency Management Disaster Science, Certificate (1748)

Program Coordinator

Joshua D. Durkee, joshua.durkee@wku.edu, (270) 745-8777

The certificate provides students, whether traditional or working professionals, an in-depth acumen related to incident management, risk identification, emergency planning, and emergency management program evaluation.

Program Requirements (15 hours)

Code	Title	Hours
Program Courses:		
EMDS 400	Emergency Management Policy and Practices	3
EMDS 401	Natural and Technological Disaster Risks	3
EMDS 402	Resiliency in Response to Terrorism and Violence	3
EMDS 403	Advanced Disaster Planning, Management, and Preparedness	3
Select one of the following choices:		3
EMDS 404	Trends in Disaster Preparedness and Management	
Six hours of upper division courses ¹		
Total Hours		15

- ¹ The six credit hours of upper division courses must be in applicable subject areas (Examples: Education Administration, Leadership, Engineering, Meteorology, ect., with approval of program faculty) to complete the program.

School of Engineering and Applied Sciences

Dr. Stacy Wilson, Director

Building: COHH 2114
Phone: (270) 745-3251

Website: [http://\(http://www.wku.edu/seas/\)www.wku.edu/seas](http://(http://www.wku.edu/seas/)www.wku.edu/seas) (<http://www.wku.edu/seas/>)

E-mail: seas@wku.edu

Modern society continues to become more dependent on technology. Personal and portable technologies provide people with more capability and connectivity worldwide. Homes become smarter as the number of connected devices grows. The manufacturing process becomes progressively more sophisticated as the technical requirements increase. To meet these challenges, the industry must have access to students who not only have a strong foundation in their discipline but also can apply this knowledge to solve real problems.

The mission of the School of Engineering and Applied Sciences is to educate, engage, and empower students to solve technical problems. The SEAS faculty provide our graduates with knowledge and skills and serve our community stakeholders through applied research and professional activities.

In order to provide students with the necessary skills, the programs in the School of Engineering and Applied Sciences are project-based. Our students have opportunities to engage in project activities throughout the curricula to support design, development, implementation, and troubleshooting.

The School of Engineering and Applied Sciences offers Bachelor of Science degrees in the following areas:

- Architectural Science (reference number 518)
- Civil Engineering (reference number 534)
- Computer Information Technology (reference number 555)
- Computer Science (reference number 629)
- Construction Management (reference number 533)
- Electrical Engineering (reference number 537)
- Engineering Technology Management (reference number 5007)
- Manufacturing Engineering Technology (reference number 5006)
- Mechanical Engineering (reference number 543)

The School of Engineering and Applied Sciences offers minors in computer science (reference number 341), systems engineering (reference number 476), and floodplain management (reference number 361). SEAS also offers a certificate in land surveying (reference number 1700).

The School of Engineering and Applied Sciences offers Master of Science degrees in computer science and engineering technology management and a graduate certificate in Lean Sigma.

Degrees

- Architectural Science, Bachelor of Science (518) (p. 315)
- Civil Engineering, Bachelor of Science (534P, 534) (p. 317)
- Computer Information Technology, Bachelor of Science (555P, 555) (p. 319)
- Computer Science, Bachelor of Science (629P, 629) (p. 320)
- Construction Management, Bachelor of Science (533) (p. 322)
- Electrical Engineering, Bachelor of Science (537P, 537) (p. 324)
- Engineering Technology Management, Bachelor of Science (5007) (p. 325)

- Manufacturing Engineering Technology, Bachelor of Science (5006) (p. 327)
- Mechanical Engineering, Bachelor of Science (543P, 543) (p. 328)

Minors

- Computer Science, Minor (341) (p. 322)
- Systems Engineering, Minor (476) (p. 330)

Certificates

- Floodplain Management, Certificate (1763) (p. 326)
- Land Surveying, Certificate (1700) (p. 326)

Faculty

Professor

Gregory K. Arbuckle PhD (Technology Management (Quality Systems)), Indiana State University, 2004
 Farhad Ashrafzadeh PhD (Electrical and Computer Engineering), The University of Calgary, 1997
 Mustafa Atici PhD (Computer Science), University of Nebraska, 1996
 Mark E. Cambren PhD (Electrical Engineering), Vanderbilt University, 2001
 Warren Campbell PhD (Civil Engineering), Colorado State University, 1984
 Anthony M. Doggett PhD (Education and Human Resource Studies), Colorado State University, 2003
 Hanna A. Khouryieh PhD (Food Science), Kansas State University, 2006
 Henry J. Lenoir MS (Mechanical Engineering), University of Tennessee, Knoxville, 1988
 Qi Li PhD (Computer Science), University of Delaware, 2006
 Shane M. Palmquist PhD (Civil and Environmental Engineering), Tufts University, 2003
 Kevin S. Schmaltz PhD (Mechanical Engineering), Carnegie Mellon University, 1997
 Huanjing Wang PhD (Computer Science), The University of Alabama, 2005
 Stacy Wilson PhD (Engineering, Electrical Engineering), Tennessee Technological University, 1996
 Zhonghang Xia PhD (Computer Science), University of Texas at Dallas, 2004
 Guangming Xing PhD (Computer Science), University of Georgia, 2001

Associate Professor

Shahnaz Aly MARCH (Architecture), Texas A & M University, 1999
 Morteza Nurcheshmeh PhD (Mechanical Engineering), University of Windsor, 2011
 Fatemeh Orooji PhD (Engineering Science, Construction Management), Louisiana State University & A&M College, 2015
 Bryan Reaka PhD (Education (Workforce Education)), Southern Illinois University Carbondale, 2002
 Mark A. Revels PhD (Technology Management, Industrial Training & Development), Indiana State University, 2007
 Rong Yang PhD (Computer Science and Engineering), University of Louisville, 2007

Assistant Professor

Benjamin J. Dinan PhD, The Ohio State University Main Campus, 2012
 Jeffrey M. Galloway PhD (Computer Science), The University of Alabama, 2013
 Bashar F. Haddad PhD (Tech Mgt (Construction Mgt)), Indiana State University, 2007
 Kirolos M. Haleem Mesiha PhD (Civil Engineering), University of Central Florida, 2009

Osama E. Mansour PhD (Environmental Design), The University of Calgary, 2015

Yaser A. Mowafi PhD (Information Systems), University of Maryland Baltimore Co, 2009

Asghar Rezasoltani PhD (Mechanical Engineering), Louisiana State University & A&M College, 2016

Zachary J. Suriano PhD (Climatology), University of Delaware, 2018

Instructor I

Ismail Abumuhfouz MBA (Business Administration), Sullivan University, 2009

Manohar Chidurala PhD (Engineering & Applied Science), University of New Orleans, 2015

Brian M. Janes MS (Management of Technology), Murray State University, 2003

Jason C. Wilson MS (Engineering), University of Wisconsin-Platteville, 2016

Instructor II

Edmund R. Martelli MS (Technology Management), Western Kentucky University, 2010

Architectural Science, Bachelor of Science (518)

Program Coordinator

Fatemeh Orooji, fatemeh.orooji@wku.edu, (270) 745-2176

Architectural Science is a bridge between design theory and construction practice. Architectural Technologists perform a variety of important functions in many areas of the architectural and building construction fields and are widely recognized by professionals in the construction industry. Graduates find employment as drafters, designers, construction planners, estimators, inspectors, technical sales representatives, and many other exciting areas.

Career Opportunities

Graduates obtain employment in a wide variety of organizations: architectural firms, engineering firms, interior design firms, contractors, design-build construction firms, surveying firms, government agencies, construction product manufacturers, construction material suppliers, inspection and testing firms, specialty consultants, and computer applications consultants.

Program Description

The program in Architectural Science is designed to provide graduates with a practical architectural education combining an understanding of the philosophy of building design with an applied technical knowledge of construction systems and materials. Graduates are prepared with the knowledge and skills to assist in developing drawings and related documentation, constructing architectural models, developing architectural renderings, creating digital images and visualizations, preparing cost estimates and construction planning documentation, and making professional presentations.

Program instruction includes architectural drafting, construction methods and materials, design principles, environmental systems, building systems, building codes, structural principles, project management, sustainability, and professional presentations.

Program Requirements (78 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
Program Courses		
AS 151	Architectural Graphics	3
AS 163	Architectural Drafting	3
AS 251	3D Modeling and Imaging	3
CM 261	Construction Methods and Materials	3
CM 262	Construction Laboratory	1
AS 263	Architecture Documentation I	3
AS 273	Architectural Detailing	3
CM 282	Building Structures	3
AS 305	Building Codes	3
SEAS 325	Survey of Building Systems	3
AS 351	Building Information Modeling	3
AS 373	Architecture Documentation II	3
AS 369	Architectural Design Studio I	4
SEAS 390	Project Management	3
SEAS 398	Internship I	1
SEAS 430	Technology Management / Supervision / Team Building	3
AS 469	Architectural Design Studio II	4
AS 488	Comprehensive Design	3
AS 490	Senior Research for Architectural Sciences	3
CE 303	Construction Management	3
ENG 306	Business Writing	3
or ENG 307	Technical Writing	
MGT 200	Legal Environment of Business	3
or MGT 210	Organization and Management	
Select 14 hours of advisor-approved architectural science electives		14
IDFM 120	Visual Design I	
IDFM 201	Interior Design Studio I	
IDFM 221	Visual Design II	
IDFM 243	Materials and Finishes for Interior Design	
IDFM 300	Interior Design Studio II	
IDFM 301	Interior Design Studio III	
IDFM 304	Lighting and Environmental Controls	
IDFM 344	Digital Rendering for Interiors	
IDFM 401	Interior Design Studio V	
IDFM 421	Portfolio Design	
IDFM 427	Visual Design III	

CE 160	Principles of Surveying
CE 161	Principles of Surveying Lab
CE 316	Equipment & Methods
CM 363	Construction Estimating and Bidding
CM 462	Construction Scheduling
Total Hours	78

A minor or second major is not required.

Additional Courses Required for the Major

Code	Title	Hours
MATH 117	Trigonometry	3
ECON 150	Introduction to Economics	3
or ECO 150C	Introduction to Economics	
or ECON 202	Principles of Economics (Micro)	
or ECO 202C	Principles of Economics (Micro)	
or ECON 203	Principles of Economics (Macro)	
or ECO 203C	Principles of Economics (Macro)	
or ECON 375	Moral Issues of Capitalism	
or ECON 390	Economics, Law, and Public Choice	
AS 180	Introduction to Architecture	3
Total Hours		9

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
AS 151		3 AS 163	3
AS 180		3 CM 261	3
MATH 117		3 CM 262	1
ENG 100		3 ENG 200	3
HIST 101 or HIST 102		3 Colonnade - Arts & Humanities	3
		Colonnade - Natural & Physical Science w/out lab	3
		15	16
Second Year			
Fall	Hours	Spring	Hours
AS 251		3 AS 273	3
AS 263		3 AS 351	3
AS 305		3 COMM 145	3
ECON 202		3 SEAS 325	3
CM 282		3 AS 369	4
		15	16
Third Year			
Fall	Hours	Spring	Hours
AS 373		3 SEAS 390	3
CE 303		3 Architectural Science Elective	3
Architectural Science Elective		3 ENG 300	3
Colonnade - Social & Cultural		3 General Elective	3
SEAS 398		1 Colonnade - Local to Global	3
		13	15

Fourth Year			
Fall	Hours	Spring	Hours
AS 469		4 Colonnade - Natural & Physical Science w/ Lab	3
AS 488		3 AS 490	3
General Elective		3 Colonnade - Connections	3
SEAS 430		3 Management Elective	3
Architectural Science Elective		2 ENG 306 or ENG 307	3
		15	15
Total Hours 120			

Civil Engineering, Bachelor of Science (534P, 534)

Program Coordinator

Jason C. Wilson, jason.wilson@wku.edu, (270) 745-2322

Civil engineers design a better world in which to live. They design, build, and maintain our nation's infrastructure including: roads and bridges; buildings and foundations; water supply and waste-water facilities; stormwater management systems; and environmental protection facilities.

The mission of the civil engineering program is to prepare students for professional engineering and management positions in all phases of civil engineering projects. The program provides a broad educational background with a foundation in basic engineering and business principles. These basic skills are complemented by advanced topics in engineering design, management, finance, computer applications, and real world civil engineering experiences throughout the baccalaureate degree program. The civil engineering program at WKU focuses on construction, geotechnical engineering, construction materials, structures, surveying, and hydrology.

The teaching philosophy of this program focuses on project-based learning. This is achieved by placing competent, practicing engineers in the classroom as professors, engaging students in the practice of civil engineering through hands-on class projects, and involving students in faculty consulting and applied research activities. Real engineering projects often serve as class projects. Project sites and professional engineering and construction management firm offices often serve as classrooms.

The curriculum requires a minimum of 62-63 technical specialty hours, completion of pre-major courses, additional 32 semester hours of math and science requirements, and completion of Colonnade general education hours.

The WKU Civil Engineering program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

Civil Engineering Program Educational Objectives

The program achieves its mission by focusing on specific educational objectives. A few years after graduation, WKU CE graduates are expected to have the following characteristics:

Objective 1: Graduates attain positions of Engineer in Responsible Charge on projects in both the public and private sectors and successfully execute projects using technical and managerial skills while demonstrating professional and ethical behavior.

Objective 2: Graduates attain Engineering licensure and other professional certifications as appropriate to their career.

Objective 3: Graduates continue to pursue life-long learning opportunities through advanced degrees and various continuing education endeavors.

Objective 4: Graduates become leaders within their companies, the profession, and other activities.

The CE student outcomes are listed on the program website at <https://www.wku.edu/seas/>.

Admission Requirements

Academic Standards for the WKU Civil Engineering Program

Students are admitted as a pre-major in civil engineering. To transition from pre-major to major and to graduate with a degree in civil engineering, students must complete each of the following courses and labs with a grade of "C" or better:

Code	Title	Hours
ENG 100	Introduction to College Writing	3
COMM 145	Fundamentals of Public Speaking and Communication ¹	3
MATH 136 & MATH 137	Calculus I and Calculus II	8
PHYS 255 & PHYS 256	University Physics I and University Physics I Lab	5
EM 222	Statics	3
GEOL 111	The Earth	3

¹ COMM 145 will be replaced with a Human Communications (OC Course).

Students must also complete the following courses with a grade of "C" or better: all pre-major courses, and all major courses except for one.

In addition, each student is required to have a 2-course sequence in four (4) different civil engineering areas. The curriculum already includes a 2-course sequence in structures, geotechnical engineering, and construction. Therefore, each student must select one of the technical electives to cover an additional area such as surveying, materials, environmental engineering, hydrology, or transportation.

Program Requirements (62-63 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
Students must take the following 68 technical specialty credit hours required for the major:		
Select one of the following: ¹		1-2
CE 176	Civil Engineering Freshman Design	
ME 176	Mechanical Engineering Freshman Design	
EE 101	Electrical Engineering Design I	

SEAS 175 & SEAS 176	Freshmen Experience I and Freshmen Experience II	
CE 160 & CE 161	Principles of Surveying and Principles of Surveying Lab	4
CE 303	Construction Management	3
CE 316	Equipment & Methods	3
CE 332	Transportation Engineering	3
CE 342	Fluid Thermal Science	3
CE 352 or EM 313	Introduction to Environmental Engineering Dynamics	3
CE 370 & CE 371	Materials of Construction and Construction Materials Laboratory	3
CE 382	Structural Analysis	3
CE 383 or CE 384	Structural Steel Design Reinforced Concrete Design	3
CE 410 & CE 411	Soil Mechanics and Soil Mechanics Lab	4
CE 412	Foundation Engineering	3
CE 461 or CE 462	Hydrology Hydraulic Engineering Systems	3
ENGR 490	Senior Project I	2
ENGR 491	Senior Project II	3
AS 163	Architectural Drafting	3
EM 222	Statics	3
EM 303	Mechanics of Deformable Solids	3
Select 9 hours of the following technical electives (six hours must have the prefix CE):		9
CE 300	Floodplain Management	
CE 378 & CE 379	Route Surveying and Route Surveying Lab	
CE 380 & CE 381	Boundary Surveying and Boundary Surveying Lab	
CE 383 or CE 384	Structural Steel Design Reinforced Concrete Design	
CE 426	Advanced Construction Materials	
CE 432	Traffic Engineering	
CE 440	Masonry Design and Construction	
CE 444	Bridge Engineering	
CE 462 or CE 461	Hydraulic Engineering Systems Hydrology	
CE 474	Civil Engineering Design Project	
CE 475	Selected Topics in Civil Engineering	
EM 313 or CE 352	Dynamics Introduction to Environmental Engineering	
CM 363	Construction Estimating and Bidding	
AS 305	Building Codes	
SEAS 325	Survey of Building Systems	
ENGR 400	Principles of Systems Engineering	
GEOL 310	Global Hydrology	
GEOL 415	Applied Environmental Geology	
GISC 316	Fundamentals of GIS	

GISC 317	Geographic Information Systems
MATH 350	Advanced Engineering Mathematics
ME 220	Engineering Thermodynamics I

Total Hours **62-63**

¹ Students must also complete the following courses with a grade of "C" or better in all in all major courses except for one. In addition, each student is required to have a 2-course sequence in four (4) different civil engineering areas. The curriculum already includes a 2-course sequence in structures, geotechnical engineering, and construction. Therefore, each student must select one of the technical electives to cover an additional area such as surveying, materials, environmental engineering, hydrology, or transportation.

Additional Math and Science Requirements

Code	Title	Hours
MATH 237	Multivariable Calculus	4
MATH 331	Differential Equations	3
GEOL 113	The Earth Laboratory	1
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	5
STAT 301 or CE 305	Introductory Probability and Applied Statistics Risk Analysis	3

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
CE 176		1 COMM 145	3
AS 163		3 CE 160	3
MATH 136		4 CE 161	1
GEOL 111		3 MATH 137	4
GEOL 113		1 PHYS 255	4
ENG 100		3 PHYS 256	1
		15	16

Second Year			
Fall	Hours	Spring	Hours
CE 303		3 CE 316	3
ENG 200		3 EM 303	3
MATH 237		4 MATH 331	3
EM 222		3 CE 305	3
Colonnade: Arts & Humanities		3 CE 332	3
		16	15

Third Year			
Fall	Hours	Spring	Hours
CE 382		3 CE Tech Elective	3
Colonnade: Social and Behavioral Elective		3 CHEM 120	3
CE 342		3 CHEM 121	2
CE 370		2 HIST 101 or HIST 102	3
CE 371		1 CE 384	3
ENG 300		3 CE 461	3
		15	17

Fourth Year			
Fall	Hours	Spring	Hours
CE 410		3 Colonnade - Social & Cultural	3
CE 411		1 CE Tech Elective	3
CE Tech Elective		3 ENGR 491	3

ENGR 490	2 Colonnade - Local to Global	3
CE 352	3 CE 412	3
Colonnade - Systems	3	
	15	15

Total Hours 124

Computer Information Technology, Bachelor of Science (555P, 555)

Program Coordinator

Mark A. Revels, mark.revels@wku.edu, (270) 303-3019

Computer Information Technology (CIT) is an integral part of modern life and business. Careers in the CIT field frequently exceed median pay and future job outlook growth. The CIT program at WKU can help prepare students for many rewarding careers, including:

- Computer Network Architect
- Computer Programmer
- Computer Support Specialist
- Database Administrator
- Information Security Analyst
- Network and Computer Systems Administrator
- Software Developer
- Web Developer

Program Requirements (60 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The CIT online degree requires 120 credit hours and leads to a Bachelor of Science degree. No minor or second major is required. Enrollment in the CIT program is limited and based on student qualifications. All courses in the major must be completed with a grade of "C" or better. The program requires 36-60 hours of upper-division CIT coursework, depending on transfer credits. All courses should be selected consistent with WKU's degree requirements including:

- 36 hours minimum must be earned at WKU (typically satisfied by CIT course requirements below)
- 42 hours must be in upper-division credit (36 hours for students that transfer with an Associate of Applied Science degree in computer technology or related major; also satisfied by CIT course requirements below)
- 120 hours minimum overall
- Colonnade Program Requirements
- MATH 116 or higher

For **transfer students** (with an Associate of Applied Science degree or equivalent in computer technology or related major), 36 hours of CIT coursework is required. These include:

Code	Title	Hours
Core Courses:		
CIT 300	Computer Information Technology Foundations	3
CIT 302	Web Development	3
CIT 352	Database Administration II	3
CIT 372	Telecommunications II	3
Select seven courses from 400-level CIT courses and/or from the following:		21
MFGE 342	Manufacturing Operations	
SEAS 367	Supervised Work Experience in Industry	
SEAS 390	Project Management	
SEAS 394	Lean Systems	
MFGE 396	Introduction to Supply Chain Management	
SEAS 430	Technology Management / Supervision / Team Building	
SEAS 475	Selected Topics in Industry	
Capstone course:		
CIT 490	Senior Research	3
Total Hours		36

For **non-transfer students**, 60 hours of CIT coursework is required. These include:

Code	Title	Hours
Foundation Courses		
CIT 300	Computer Information Technology Foundations	3
CIT 302	Web Development	3
CIT 310	Systems Architecture I	3
CIT 312	Systems Architecture II	3
CIT 330	Systems Development I	3
CIT 332	Systems Development II	3
CIT 350	Database Administration I	3
CIT 352	Database Administration II	3
CIT 370	Telecommunications I	3
CIT 372	Telecommunications II	3
Select nine courses from 400-level CIT courses and/or from the following:		27
MFGE 342	Manufacturing Operations	
SEAS 367	Supervised Work Experience in Industry	
SEAS 390	Project Management	
SEAS 394	Lean Systems	
MFGE 396	Introduction to Supply Chain Management	
SEAS 430	Technology Management / Supervision / Team Building	
SEAS 475	Selected Topics in Industry	
Capstone Course:		
CIT 490	Senior Research	3
Total Hours		60

Finish in Four Plan

First Year

Fall	Hours	Spring	Hours
ENG 100		3 ENG 200	3
MATH 116 or MATH 109		3 Colonnade - Natural & Physical Science w/ out lab	3
COMM 145		3 Colonnade - Arts & Humanities	3
World Language Requirement or General Elective		3 World Language Requirement or General Elective	3
IDST 175		3 HIST 101 or HIST 102	3
	15		15

Second Year

Fall	Hours	Spring	Hours
ENG 300		3 Colonnade - Natural & Physical Science w/ lab	3
Colonnade - Social & Behavioral		3 CIT 300	3
General or Minor Elective		3 CIT 302	3
General or Minor Elective		3 Colonnade - Systems	3
General or Minor Elective		3 General or Minor Elective	3
	15		15

Third Year

Fall	Hours	Spring	Hours
Colonnade - Social & Cultural		3 Colonnade - Local to Global	3
CIT 350		3 CIT 352	3
CIT 370		3 CIT 372	3
CIT 310		3 CIT 312	3
CIT 330		3 CIT 332	3
	15		15

Fourth Year

Fall	Hours	Spring	Hours
CIT 4XX Elective		3 CIT 490	3
CIT 4XX Elective		3 CIT 4XX Elective	3
CIT 4XX Elective		3 CIT 4XX Elective	3
CIT 4XX Elective		3 CIT 4XX Elective	3
CIT 4XX Elective		3 CIT 4XX Elective	3
	15		15

Total Hours 120

Computer Science, Bachelor of Science (629P, 629)

Program Coordinator

Guangming Xing, guangming.xing@wku.edu, (270) 745-8848

Computer Science Program Educational Objectives

The program achieves its mission by focusing on specific educational objectives. Within three to five years after graduation, WKU CS graduates are expected to be:

Objective 1: Engage in continuous learning to adapt to innovation and evolving technologies;

Objective 2: Design and implement solid solutions for rapidly changing computing & information systems;

Objective 3: Be effective team participants;

Objective 4: Effectively communicate ideas in verbal and written form at the appropriate level for the audiences;

Objective 5: Be ethical and socially responsible computer science professional

The CS student outcomes are listed on the program website at <https://www.wku.edu/seas/>.

Concentrations

- Systems/Scientific App (CSSA)
- General (CGEN)

Admission Requirements

The major in computer science requires a minimum of 53 semester hours. To be admitted to the computer science major, students must complete CS 290 (<https://catalog.wku.edu/search/?P=CS%20290>) or CS 221 (<https://catalog.wku.edu/search/?P=CS%20221>) with grades of "C" or better. In addition, all CS courses counting toward the CS program major must be completed with a grade of "C" or better. Computer Science electives may include from 0-3 hour of 200-level courses. Students must adhere to all University Policies as indicated in the WKU catalog section, "Academic Information."

Program Requirements (53 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Systems/Scientific Applications Concentration

Code	Title	Hours
Core Courses		
CS 180	Computer Science I	4
CS 290	Computer Science II	4
CS 325	Computer Organization and Architecture	3
CS 331	Data Structures	3
CS 339	Discrete Structures	3
CS 351	Database Management Systems I	3
CS 360	Software Engineering I	3
CS 382	Programming Languages	3
CS 396	Intermediate Software Project	3
CS 421	Data Structures and Algorithm Analysis	3
CS 425	Operating Systems I	3
CS 496	CS Senior Project and Professional Practice	3
STAT 301	Introductory Probability and Applied Statistics	3

Electives

Select 12 hours from the following courses:	12
CS 270	Introduction to Web Programming

CS 315	Introduction to Unix	
CS 371	Advanced Computational Problem Solving	
CS 372	Mobile App Development	
CS 381	Introduction to Computer Networks	
CS 443	Database Management Systems II	
CS 445	Operating Systems II	
CS 446	Interactive Computer Graphics	
CS 450	Computer Networks	
CS 456	Artificial Intelligence	
Total Hours		53

Code	Title	Hours
Additional Requirements for the Systems/Scientific Applications Concentration		
MATH 136	Calculus I	4
Math Electives		6-7
Choose two for the following list:		
MATH 137	Calculus II	
MATH 305	Introduction to Mathematical Modeling	
MATH 307	Introduction to Linear Algebra	
MATH 331	Differential Equations	
MATH 405	Numerical Analysis I	
MATH 406	Numerical Analysis II	
MATH 470	Introduction to Operations Research	
MATH 473	Introduction to Graph Theory	
STAT 401	Regression Analysis	
STAT 402	Experimental Design	

Two natural science courses (at least 6 hours; at least one course must include a lab) designed for Science/Engineering majors

Total Hours **16-18**

General Option

Code	Title	Hours
Core Courses		
CS 180	Computer Science I	4
CS 290	Computer Science II	4
CS 331	Data Structures	3
CS 325	Computer Organization and Architecture	3
CS 339	Discrete Structures	3
CS 351	Database Management Systems I	3
CS 360	Software Engineering I	3
CS 382	Programming Languages	3
CS 396	Intermediate Software Project	3
CS 421	Data Structures and Algorithm Analysis	3
CS 425	Operating Systems I	3
CS 496	CS Senior Project and Professional Practice	3

STAT 301	Introductory Probability and Applied Statistics	3
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Electives

Select 12 hours CS electives including: 3 hours at the 200-level or above (excluding CS 226 and CS 257), 6 hours at the 300-level or above and another 3 hours at the 400-level or above¹

Total Hours **53**

Code	Title	Hours
Additional Requirements for the General Option:		
MATH 136	Calculus I	4

Total Hours **4**

¹ At most 1.5 hours of credit for CS 239 may count towards the major. At most 3 hours of credit for CS 239 and CS 245 (only for languages for which credit is not received through another course) may count towards the major.

Finish in Four Plans Computer Science, General

First Year			
Fall	Hours	Spring	Hours
CS 180		4 CS 290	4
ENG 100		3 MATH 136	4
Colonnade - Arts & Humanities		3 COMM 145	3
General Elective		2 General Elective	3
Colonnade - Natural & Physical Science w/ lab		4	
		16	14

Second Year			
Fall	Hours	Spring	Hours
CS 331		3 CS 351	3
Colonnade - Literary Studies		3 HIST 101 or HIST 102	3
CS 2XX Elective		3 CS 339	3
General elective		3 General Elective	3
CS 325		3 STAT 301	3
		15	15

Third Year			
Fall	Hours	Spring	Hours
Colonnade - Natural & Physical Science w/ no lab		3 CS 382	3
CS 360		3 CS 3XX Elective	3
CS 3XX Elective		3 Colonnade - Social & Behavioral	3
ENG 300		3 General elective	3
Colonnade - System		3 World Language Requirement or General Elective	3
		15	15

Fourth Year			
Fall	Hours	Spring	Hours
CS 396		3 CS 496	3
CS 425		3 CS 4XX Elective	3
CS 421		3 Colonnade - Local to Global	3
General Elective		3 General Elective	3

Colonnade - Social & Cultural	3 General Elective	3
	15	15
Total Hours 120		

Computer Science, Systems/Scientific Applications Concentration

First Year

Fall	Hours	Spring	Hours
CS 180		4 CS 290	4
ENG 100		3 MATH 136	4
HIST 101 or HIST 102		3 COMM 145	3
General Elective		3 Colonnade - Arts & Humanities	3
World Language Requirement or General Elective		3	
	16		14

Second Year

Fall	Hours	Spring	Hours
CS 331		3 CS 339	3
CS 325		3 CS 351	3
Colonnade - Literary Studies		3 Math Elective	3
Colonnade - Natural & Physical Sciences w/ lab		4 Colonnade - Natural & Physical Sciences w/ no lab	3
General elective		3 General elective	3
	16		15

Third Year

Fall	Hours	Spring	Hours
STAT 301		3 CS 382	3
CS 360		3 CS Elective (CS 372 or CS 381 or CS 446)	3
CS Elective (CS 443, CS 450, or CS 456)		3 Colonnade - Social & Behavioral	3
ENG 300		3 Math Elective	3
Colonnade - System		3 General Elective	3
	15		15

Fourth Year

Fall	Hours	Spring	Hours
CS 425		3 CS 496	3
CS 421		3 CS Elective (CS 445 or CS 446)	3
General Elective		3 Colonnade - Local to Global	3
CS Elective (CS 443 or CS 456)		3 Colonnade - Social & Cultural	3
CS 396		3 Math/Science Elective	3
	15		15

Total Hours 121

Computer Science, Minor (341)

Program Requirements (20 hours)

The following 20 credit-hour program leads to a minor in computer science.

Code	Title	Hours
Required Courses for the Minor: ¹		
CS 180	Computer Science I	4
CS 290	Computer Science II	4

CS 339	Discrete Structures	3
or CS 351	Database Management Systems I	
Select 9 additional hours of CS courses at the 300-level or higher		9
Total Hours		20

¹ All CS courses counting toward the CS program minor must be completed with a grade of "C" or better.

Construction Management, Bachelor of Science (533)

Program Coordinator

Jason C. Wilson, jason.wilson@wku.edu, (270) 745-2322

Construction Management involves planning, coordination, and control of projects from inception to completion. Construction Managers work out of a main or field office to perform a variety of important functions, including Project Planning, Cost Management, Time Management, Quality Management, Safety Management, and Contract Administration.

Career Opportunities

Graduates obtain employment in a wide variety of organizations, including construction management firms, general contractors, and specialty contractors serving the commercial, industrial, heavy civil, and residential construction sectors. They may choose to become specialists in estimating, scheduling, safety, quality, or field supervision. Typical job titles include project manager, project engineer, office engineer, field engineer, estimator, quantity surveyor, and superintendent, along with many others.

Program Description

The program in Construction Management is designed to provide students with technical and managerial skills needed to assume leading positions in the construction industry. A minor or second major is not required. Course requirements for the major are shown below. Students should consult with an advisor in planning their four-year degree program.

Program Requirements (71 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
AS 163	Architectural Drafting	3
MFGE 217	Industrial Materials	3
CM 261	Construction Methods and Materials	3
CM 262	Construction Laboratory	1
SEAS 271	Industrial Statistics	3
CM 282	Building Structures	3

AS 305	Building Codes	3
SEAS 310	Safety in Industry	3
SEAS 325	Survey of Building Systems	3
SEAS 371	Quality Assurance	3
SEAS 390	Project Management	3
SEAS 394	Lean Systems	3
SEAS 398	Internship I	1
SEAS 430	Technology Management / Supervision / Team Building	3
CM 490	Senior Research for Construction Management	3
CM 250 or CE 303	Contract Documents Construction Management	3
CM 346	Applied Soil Mechanics and Foundations	3
or CE 410	Soil Mechanics	
CM 363	Construction Estimating and Bidding	3
CM 462	Construction Scheduling	3
Select one of the following:		3-4
CE 160 & CE 161	Principles of Surveying and Principles of Surveying Lab	
AGMC 170 & AGMC 171	Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory	
CE 316	Equipment & Methods	3
MGT 210	Organization and Management	3
Select one of the following introductory accounting-financial courses:		3
ACCT 220	Principles of Financial Accounting	
MKT 220	Basic Marketing Concepts	
MKT 325	Personal Selling	
FIN 161	Personal Finance	
FINC 161C	Personal Finance	
RE 170C	Essentials of Real Estate	
BUS 100C	Introduction to Business	
BUS 102C	Introduction to Ethical Issues in Business	
BUS 110C	Basic Accounting I	
BUS 250C	Business Entrepreneurship	
BUS 252C	Selling and Sales Management	
ENT 312	Entrepreneurship	
Select one of the following Business Law courses:		3
MGT 301	Business Law	
MGT 333	Management of Nonprofit Organizations	
Select one of the following Intro to Economics/Principals of Economics:		3
AGEC 360	Agricultural Economics	
ECON 150	Introduction to Economics	
ECON 202	Principles of Economics (Micro)	
ECON 203	Principles of Economics (Macro)	
ECON 375	Moral Issues of Capitalism	

ECON 390	Economics, Law, and Public Choice
ECO 150C	Introduction to Economics
ECO 202C	Principles of Economics (Micro)
ECO 203C	Principles of Economics (Macro)

Total Hours 71-72

Additional Course

Code	Title	Hours
MATH 117	Trigonometry	3
Choose a Chemistry Course and Lab		4-5
CHEM 105 & CHEM 106	Fundamentals of General Chemistry and Fundamentals of General Chemistry Laboratory	
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	

Total Hours 7-8

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
AS 163		3 CHEM 105 & CHEM 106 (or CHEM 120 and CHEM 121)	4
MATH 117		3 Colonnade: Natural & Physical Sciences	3
ENG 100		3 HIST 101 or HIST 102	3
Colonnade: Arts & Humanities		3 Colonnade: Human Communication	3
Economics Elective		3 Colonnade: Literary Studies	3
		15	16
Second Year			
Fall	Hours	Spring	Hours
CM 282		3 World Language	3
SEAS 310		3 SEAS 271	3
CE 160		3 CM 261	3
CE 161		1 CM 262	1
MFGE 217		3 MGT 210	3
Accounting/Finance Elective		3 General Elective	2
		16	15
Third Year			
Fall	Hours	Spring	Hours
CM 363		3 CE 316	3
AS 305		3 CM 462	3
CM 250		3 Business Law Elective	3
SEAS 394		3 Colonnade - Social & Cultural	3
ENG 300		3 Colonnade - Local to Global	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
SEAS 430		3 CM 490	3
SEAS 325		3 SEAS 371	3
CE 410		3 SEAS 398	1
SEAS 390		3 Colonnade - Systems	3
General Elective		3 General Elective	3
		15	13
Total Hours		120	

Electrical Engineering, Bachelor of Science (537P, 537)

Program Coordinator

Mark E. Cambron, mark.cambron@wku.edu, (270) 745-8868

Electrical engineering touches virtually every aspect of life in the twenty-first century. Electrical engineers are experts in dealing with electricity, electromagnetism, and electronics. Electrical engineers are employed in a variety of industries including:

- Circuits and Electronics
- Communication and Signal Processing
- Electrical Power Systems
- Computer Hardware and Embedded Systems
- Robotics, Control Systems and Automation
- Biomedical Applications
- Automotive and Aerospace Systems
- Manufacturing plants

The mission of our Electrical Engineering Program at WKU is to build a foundation of knowledge in electrical engineering by integrating a variety of project experiences at every level throughout the curriculum. Our program is to be relevant to our region and to produce graduates who can immediately contribute to the profitability of their employer. Our electrical engineering curriculum exposes students to a variety of topics to prepare them for careers as engineers.

The WKU Electrical Engineering program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

Electrical Engineering Program Educational Objectives

The program achieves its mission by focusing on specific educational objectives. A few years after graduation, WKU EE graduates are expected to be:

- Objective 1:** Pursuing successful and productive careers;
Objective 2: Applying their engineering education to address real-world problems;
Objective 3: Continuing their professional development and engaging in lifelong learning; and
Objective 4: Emerging as leaders in their companies, professions, and communities.

For detailed information on the electrical engineering program, please see <http://wku.edu/seas> (<http://wku.edu/seas/>) and/or contact your advisor.

Academic Standards for the Electrical Engineering Program

Students are admitted as a pre-major in Electrical Engineering. In order to transition from the pre-major to major and to graduate with a degree in Electrical Engineering, students must complete the following courses earning a grade of "C" or better in each course.

Code	Title	Hours
EE 210	Circuits & Networks I	3.5
ENG 100	Introduction to College Writing	3
Human Communication (F-OC)		3
MATH 136	Calculus I	4
MATH 137	Calculus II	4

PHYS 255	University Physics I	4
PHYS 265	University Physics II	4

For detailed information on the electrical engineering program, please see <http://wku.edu/seas> (<https://www.wku.edu/seas/>) and/or contact your advisor.

Program Requirements (58 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Courses Required for Major

Code	Title	Hours
Program Courses		
EE 101	Electrical Engineering Design I	1
EE 180	Digital Circuits	3
EE 200	Electrical Engineering Design II	2
EE 210	Circuits & Networks I	3.5
EE 211	Circuits & Networks II	3.5
EE 300	Electrical Engineering Design III	1
EE 345	Electronics	4
EE 380	Microprocessors	4
ENGR 490	Senior Project I	2
ENGR 491	Senior Project II	3
EE 420	Signals and Linear Systems	3
EE 431	Introduction to Power Systems	3.5
EE 460	Continuous Control Systems	3.5
EE 473	Electromagnetics I	3
or PHYS 440	Electricity and Magnetism I	
Select 12 hours of the following technical electives:		12
ENGR 360	System Dynamics and Modeling	
EE 405	EE Senior Research Seminar	
EE 410 & EE 411	Computer Design and Computer Design Lab	
EE 432	Power Systems II	
EE 436	Electric Machines and Drives	
EE 443	Microfabrication and MEMS	
EE 445	Advanced Electronics	
EE 450 & EE 451	Digital Signal Processing and Digital Signal Processing Lab	
EE 461	Discrete Control Systems	
EE 462	Special Topics in Control Systems	
EE 470 & EE 475	Communications and Modulation and Communication Systems Lab	
EE 477	Numerical Techniques in Electromagnetics	
EE 479	Optoelectronics	
EE 480	Embedded Systems	
EE 490	Introduction to Robotics	

Select six hours of the following engineering/science electives: 6

EM 222	Statics
or PHYS 350	Classical Mechanics I
ME 220	Engineering Thermodynamics I
or PHYS 330	Thermodynamics
ME 240	Materials and Methods of Manufacturing
ME 330	Fluid Mechanics
or CE 342	Fluid Thermal Science
PHYS 450	Classical Mechanics II
PHYS 318	Data Acquisition Using Labview
ENGR 400	Principles of Systems Engineering
MATH 305	Introduction to Mathematical Modeling
PHYS 316	Computational Physics

Total Hours 58

Additional Courses

Code	Title	Hours
MATH 237	Multivariable Calculus	4
MATH 331	Differential Equations	3
STAT 301	Introductory Probability and Applied Statistics	3
ECON 202	Principles of Economics (Micro)	3
or ECON 203	Principles of Economics (Macro)	
PHYS 256	University Physics I Lab	1
CS 239	Problem Solving with Computational Techniques	3

Select one of the following 3-hour math electives: 3

MATH 307	Introduction to Linear Algebra
MATH 350	Advanced Engineering Mathematics
MATH 370	Applied Techniques in Mathematics

Select one of the following 3-hour science electives: 3

CHEM 116	Introduction to College Chemistry
CHEM 120	College Chemistry I
BIOL 120	Biological Concepts: Cells Metabolism and Genetics
BIOL 122	Biological Concepts: Evolution, Diversity, and Ecology
BIOL 131	Human Anatomy and Physiology
ENV 280	Introduction to Environmental Science
GEOL 111	The Earth
METR 121	Meteorology

Total Hours 23

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
EE 180		3 EE 101	1
MATH 136		4 MATH 137	4
ENG 100		3 PHYS 255	4

CHEM 116, CHEM 120, BIOL 120, ENV 280, GEOL 111, BIOL 122, BIOL 131, or METR 121	3 PHYS 256	1
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Colonnade - Arts & Humanities	3 COMM 145	3
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	ENG 200	3
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16 16

Second Year

Fall	Hours	Spring	Hours
EE 200		2 EE 211	3.5
EE 210		3.5 EE 380	4
MATH 237		4 MATH 331	3
PHYS 265		4 ECON 202	3
CS 239		3 ENG 300	3

16.5 16.5

Third Year

Fall	Hours	Spring	Hours
EE 345		4 EE 300	1
EE 473		3 EE 431	3.5
EE 420		3 EE Elective	3
HIST 101 or HIST 102		3 ENGR/Science Elective	3
Math Elective		3 STAT 301	3
		Colonnade - Social & Cultural	3

16 16.5

Fourth Year

Fall	Hours	Spring	Hours
ENGR 490		2 ENGR 491	3
EE 460		3.5 EE Elective	3
EE Elective		3 EE Elective	3
ENGR/Science Elective		3 Colonnade - Systems	3
Colonnade - Local to Global		3	

14.5 12

Total Hours 124

Engineering Technology Management, Bachelor of Science (5007)

Program Coordinator

Gregory K. Arbuckle, greg.arbuckle@wku.edu, (270) 745-2403

Technology is defined as any tool or operating system designed to improve the efficiency, quality, and competitiveness of an organization. Engineering Technology Management at Western Kentucky University is a 2+2 program designed specifically for students who currently hold a certificate (with at least 24 hours of technical credit) or an associate of applied science degree from a technical school, two-year college, or four-year institution. The Engineering Technology Management program is a capstone program that provides a two-year management emphasis for those working toward a supervisory position in industry. Graduates are empowered to obtain a position of leadership in business, industry, or workforce development in support of innovation and global competitiveness. Students who transfer to WKU with an applied associate degree (e.g., Associate of Applied Science) receive a 12-hour waiver from the overall 42 hour upper-level course requirement.

Career Opportunities

Graduates obtain employment in a wide variety of positions, some job titles of graduates include: systems integrator, industrial engineer, production manager/specialist, manufacturing engineer, maintenance specialist, quality manager, quality engineer, production engineer, general manager, plant manager, industrial trainer, project manager, systems analyst, shift supervisor, and technology educator.

Program Description

Western Kentucky University provides upper-division hours both in the major and in general education toward the completion of the degree. Students take 39 hours of major that includes 12 hours of upper-division electives approved by the advisor. Majors then take general education or elective courses to fulfill university requirements regarding the following:

- 30 hours minimum in WKU courses
- 42 hours minimum upper-division courses (unless receiving a waiver)
- 120 hours minimum for graduation
- Colonnade Program Requirements
- MATH 116 or equivalent

Program Requirements (57 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
Select 24 semester hours of advisor approved courses transferred from a technical school, college or university 100/200 level		24
SEAS 271	Industrial Statistics	3
MFGE 490B	Senior Research for Engineering Technology Management	3
MFGE 342	Manufacturing Operations	3
SEAS 310	Safety in Industry	3
MFGE 356	Systems Design and Operation	3
SEAS 390	Project Management	3
SEAS 430	Technology Management / Supervision / Team Building	3
SEAS 371	Quality Assurance	3
SEAS 394	Lean Systems	3
Select 6 hours of advisor-approved technical upper-division electives		6
Total Hours		57

Students should consult with an advisor in planning their four-year degree program in Engineering Technology Management.

Finish in Four Plan

Engineering Technology Management at Western Kentucky University is a 2+2 program designed specifically for students who currently hold a certificate (with at least 24 hours of technical credit) or an associate of

applied science degree from a technical school, two-year college or four-year institution. Students should consult with an advisor in planning their four-year degree program in Engineering Technology Management.

Third Year			
Fall	Hours	Spring	Hours
SEAS 271		3 SEAS 371	3
MFGE 342		3 MFGE 356	3
		SEAS 310	3
		SEAS 430	3
		6	12
Fourth Year			
Fall	Hours	Spring	Hours
SEAS 390		3 MFGE 490B	3
SEAS 394		3 Technical upper-division Elective	3
		Technical upper-division Elective	3
		6	9
Total Hours 33			

Floodplain Management, Certificate (1763)

Program Coordinator

Warren Campbell, warren.campbell@wku.edu, (270) 745-8988

Program Requirements (14 hours)

This certificate has been coordinated with the Geography and Geology Department and with the Kentucky Association of Mitigation Managers. The Floodplain Management certificate requires completion of at least 13 semester hours taken by all students. The certificate provides students with basic knowledge and skills needed to implement and administer flood mitigation and recovery programs. Students develop familiarity with federal floodplain management regulations, the National Flood Insurance Program, hydrology, surveying, and tools such as Geographic Information Systems that are critical to administering an aggressive floodplain management program. Completion of the certificate requires familiarity with all aspects of floodplain management and with the impacts of floods on individuals, on property, and on regional or national economics. Students successfully completing the program are encouraged to take the Certified Floodplain Manager (CFM) exam. The CFM is a nationally recognized certification and is considered a desirable qualification by many employers.

Code	Title	Hours
Required Courses		
CE 160	Principles of Surveying	3
CE 161	Principles of Surveying Lab	1
CE 300	Floodplain Management	3
CE 461	Hydrology	3
GISC 316	Fundamentals of GIS	4
or GEOG 310	Global Hydrology	
or GEOL 310	Global Hydrology	
Total Hours		14

Land Surveying, Certificate (1700)

Program Coordinator

Jason C. Wilson, jason.wilson@wku.edu, (270) 745-2322

Undergraduate students majoring in civil engineering or post-graduate students with baccalaureate degrees in civil engineering, mining, or agricultural engineering accredited by the Accreditation Board of Engineering and Technology (ABET) may obtain a Certificate in Land Surveying (reference number 1700) in order to pursue licensure as a professional surveyor in the state of Kentucky by completing the following courses (15 hours) under the program requirements tab.

Post-graduate students with baccalaureate degrees in majors other than civil engineering, mining or agricultural engineering may obtain a Certificate in Land Surveying in order to pursue licensure as a professional surveyor in the state of Kentucky by completing the same courses as listed for the minor in land surveying (26 hours). See minor in land surveying.

Program Requirements (15 hours)

Code	Title	Hours
AS 163	Architectural Drafting	3
CE 160 & CE 161	Principles of Surveying and Principles of Surveying Lab	4
CE 380 & CE 381	Boundary Surveying and Boundary Surveying Lab	4
CE 378 & CE 379	Route Surveying and Route Surveying Lab	4
Total Hours		15

Manufacturing Engineering Technology, Bachelor of Science (5006)

Program Coordinator

Gregory K. Arbuckle, greg.arbuckle@wku.edu, (270) 745-2403

This program prepares individuals to apply basic engineering principles and advanced manufacturing technical skills in support of industrial operations. The major includes instruction in optimization theory, human factors, organizational behavior, industrial processes, industrial planning procedures, systems integration, quality, and project management. Graduates achieve positions of leadership in business and industry while practicing innovation in the global marketplace.

Program Description

A minor or second major is not required. Course requirements for the major are shown below. Students should consult with an advisor in planning their course schedules and career goals.

Project Lead the Way

The School of Engineering and Applied Sciences (SEAS) agrees to grant college level credit for secondary school students from certified Project Lead the Way (PLTW) schools who satisfy the following requirements:

First, students must complete the following two (2) PLTW courses with a grade of B or above and a 6 or above on the End of Course college credit exam: 1. Introduction to Engineering Design; and 2. Principles of Engineering

Second, students must complete two (2) of the following PLTW courses with a grade of B or above and a 6 or above on the End of Course

college credit exam: Aerospace Engineering; Biological Engineering; Civil Engineering and Architecture; Computer Integrated Manufacturing; Computer Science and Software Engineering; Digital Electronics; Capstone Course – Engineering Design and Development

Third, students must meet the requirements for admission to Western Kentucky University and enroll in the Bachelor of Science in Manufacturing Engineering Technology program within SEAS. Finally, students requesting the credit must provide a written statement from the instructor of the PLTW program and the principal or guidance counselor, stating the student has successfully completed the program with the above specifications. In addition to the written statement, an official transcript should be submitted for verification.

If the previous four conditions are met, the following three (3) courses will be articulated to the student's Western Kentucky University record:

Code	Title	Hours
MFGE 120	Basic Electricity	3
MFGE 205	CADD for Manufacturing	3
AMS EL-L (Lower Level Undergraduate Technical Elective)		6
Total Hours		12

Program Requirements (61 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
Technical Core Courses		
Select one of the following Finance Selectives:		3
ACCT 220 or MKT 220 or FIN 161 or ECON 202 or ECON 203	Principles of Financial Accounting Basic Marketing Concepts Personal Finance Principles of Economics (Micro) Principles of Economics (Macro)	
AGMC 371 & AGMC 372	Agricultural Mechanics and Agricultural Mechanics Laboratory	3
MFGE 120 or EE 180 or EE 210	Basic Electricity Digital Circuits Circuits & Networks I	3
Select one of the following CAD/Drafting Courses:		3
MFGE 205 or AS 163 or ME 180	CADD for Manufacturing Architectural Drafting Freshman Design II	
SEAS 271 or ECON 206 or MATH 183 or STAT 301	Industrial Statistics Statistics Introductory Statistics Introductory Probability and Applied Statistics	3
SEAS 398	Internship I	1

or SEAS 401	Contemporary Issues in Architecture and Manufacturing	
MFGE 490A	Senior Research for Manufacturing Engineering Technology	3
MFGE 328	Robotics and Machine Vision	3
MFGE 217	Industrial Materials	3
or ME 240	Materials and Methods of Manufacturing	
MFGE 227	Introduction to Manufacturing Methods	3
MFGE 342	Manufacturing Operations	3
MFGE 343	Automated Systems	3
MFGE 370	Computer Numerical Control	3
Total Hours		37

Code	Title	Hours
Management Core		
SEAS 310	Safety in Industry	3
MFGE 356	Systems Design and Operation	3
or MGT 314	Operations Management	
SEAS 390	Project Management	3
SEAS 430	Technology Management / Supervision / Team Building	3
SEAS 371	Quality Assurance	3
SEAS 394	Lean Systems	3
Select a Communications Selective from the following:		3
COMM 345	Advanced Public Speaking	
or COMM 346	Persuasion	
or COMM 349	Small Group Communication	
or COMM 362	Organizational Communication	
or MGT 261	Business Communication Fundamentals	
or COMM 330	Leadership Communication	
or COMM 348	Interpersonal Communication	
Select a Business Law Selective from the following:		3
MGT 301	Business Law	
or MGT 333	Management of Nonprofit Organizations	
Total Hours		24

Code	Title	Hours
Additional Program Requirements:		
PHYS 231 & PHYS 232	Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I	4
MATH 117	Trigonometry (or higher)	3
Select one combination from the following Chemistry Sequences:		4-5
CHEM 105 & CHEM 106	Fundamentals of General Chemistry and Fundamentals of General Chemistry Laboratory	
OR		
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	
Total Hours		11

† Please consult with your advisor regarding courses within your major that can overlap with Colonnade Program requirements (such as CHEM 105/106 and CHEM 120/121 [E-NS/SL], COMM 349 [K-SY], ECON 202 and 203 [E-SB], and FIN 161 [E-SB]).

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
MFGE 120		3 HIST 101 or HIST 102	3
MFGE 205		3 SEAS 271	3
ENG 100		3 Financial Selective	3
CHEM 105 & CHEM 106		4 MFGE 217	3
MATH 117		3 COMM 145	3
		16	15

Second Year			
Fall	Hours	Spring	Hours
MFGE 227		3 ENG 200	3
SEAS 371		3 MFGE 370	3
Colonnade - Social & Behavioral Sciences		3 MGT 301 or MGT 333	3
PHYS 231 & PHYS 232		4 General Elective	3
General Elective		3 Colonnade - Arts & Humanities	3
		16	15

Third Year			
Fall	Hours	Spring	Hours
MFGE 328		3 SEAS 390	3
MFGE 356		3 SEAS 310	3
AGMC 371 & AGMC 372		3 MFGE 343	3
COMM Selective		3 MFGE 370	3
Connections - Social and Cultural		3 Connections - Local to Global	3
		15	15

Fourth Year			
Fall	Hours	Spring	Hours
SEAS 430		3 SEAS 394	3
Connections - Systems		3 MFGE 490A	3
SEAS 398		1 General Elective	3
ENG 300		3 General Elective	3
General Elective		3 General Elective	3
		13	15

Total Hours 120

Career Opportunities

Graduates obtain employment in a wide variety of positions. Some job titles of graduates include: systems integrator, industrial engineer, production manager, production specialist, new product development engineer, manufacturing engineer, quality manager, quality engineer, production engineer, general manager, plant manager, operations manager, industrial trainer, project manager, continuous improvement manager, and technology educator.

Mechanical Engineering, Bachelor of Science (543P, 543)

Program Coordinator

Henry J. Lenoir, joel.lenoir@wku.edu, (270) 745-6858

Mechanical engineers are involved in designing and building almost everything that is needed in our modern world, from nearly invisible electro-mechanical devices to enormous power generating and distribution systems producing millions of horsepower. Mechanical engineers use scientific principles from the physical world to create a tremendous variety of mechanical and thermal systems. Practicing mechanical engineers use these principles to design, analyze, manufacture, and maintain systems that include:

- automobiles and aircraft
- heating and cooling systems
- electric power plants
- specialized materials
- manufacturing plants
- industrial equipment and machinery

Mechanical engineers need a solid understanding of engineering science, which includes mechanics, engineering materials, thermodynamics and fluid mechanics. The program at WKU focuses on these sciences as well as design and professional skills necessary for a successful career in mechanical engineering. Our graduates have a strong competitive advantage with their unique background of engineering fundamentals combined with practical knowledge and experience. The mechanical engineering program provides a project-based, learner-driven environment relevant to the needs of modern society. In support of this learning environment, the professional engineering activities of the faculty create opportunities for the students to practice the art and science of contemporary Mechanical Engineering.

The curriculum requires a minimum of 60.5 technical specialty hours, completion of required Colonnade coursework, and 32-33 semester hours of required mathematics and science.

The WKU Mechanical Engineering program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

Mechanical Engineering Program Educational Objectives

The mission is achieved by focusing on specific program educational objectives. Within a few years of completing the Mechanical Engineering Program, a graduate will:

Objective 1: Either be contributing to their regions' economic development through employment in mechanical engineering or related professions, or pursuing advanced credentials.

Objective 2: Occupy leadership roles in their profession, or in their communities, as their career develops

Objective 3: Demonstrate professionalism on diverse teams across a range of varied responsibilities

Objective 4: Be proactive in their professional development and engage in the continuing education needed to maintain and enhance their career.

For detailed information on the mechanical engineering program, please see the "Mechanical Engineering Program Guide" (available at <http://wku.edu/seas> (<http://wku.edu/seas/>)) and/or contact your advisor.

Program Requirements (60.5 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Academic Standards for the Mechanical Engineering Program

Students are admitted as a Pre-Major in Mechanical Engineering. In order to transition from Pre-Major to Major and to graduate with a degree in Mechanical Engineering, student must satisfy the requirements below. All courses below must have a grade of "C" or better.

Code	Title	Hours
College Composition (F-W1)		3
Human Communications (F-OC)		3
MATH 136	Calculus I (or equivalent credit)	4
MATH 137	Calculus II (or equivalent credit)	4
PHYS 255 & PHYS 256	University Physics I and University Physics I Lab	5
Select one of the following:		4-5
CHEM 116 & CHEM 106	Introduction to College Chemistry and Fundamentals of General Chemistry Laboratory	
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	
EM 222	Statics	3
Total Hours		26-27

These pre-major eligibility requirements MUST be completed before enrolling in ME 200: Sophomore Design. Check degree audit for progress towards meeting these requirements.

Program Requirements

Code	Title	Hours
ME 176	Mechanical Engineering Freshman Design	1
ME 180	Freshman Design II	3
ME 200	Sophomore Design	3
ME 220	Engineering Thermodynamics I	3
ME 240	Materials and Methods of Manufacturing	3
ME 241	Materials and Methods of Manufacturing Lab	1
ME 300	Junior Design	2
ME 310	Engineering Instrumentation and Experimentation	3
ME 325	Elements of Heat Transfer	4
ME 330	Fluid Mechanics	3
ME 333	Thermo-Fluids Laboratory	1
ME 344	Mechanical Design	3
ME 347	Mechanical Systems Laboratory	1
ME 400 or ENGR 490	Mechanical Engineering Design Senior Project I	2
ME 412 or ENGR 491	Mechanical Engineering Senior Project Senior Project II	3

EE 210	Circuits & Networks I	3.5
EM 222	Statics	3
EM 303	Mechanics of Deformable Solids	3
EM 313	Dynamics	3
Mechanical Engineering Technical Electives		12

Choose from the following list:

ME 494	WKU ME Selected Topics
ME 495	WKU ME Selected Projects
ME 496	WKU – ME Selected Topics (Fall)
ME 497	WKU – ME Selected Topics (Spring)
ME 498	UK – ME Selected Topics (Fall)
ME 499	UK – ME Selected Topics (Spring)
ENGR 360	System Dynamics and Modeling
ENGR 400	Principles of Systems Engineering
EE 460	Continuous Control Systems
ME 321	Engineering Thermodynamics II
PHYS 318	Data Acquisition Using Labview

Total Hours **60.5**

Code	Title	Hours
Additional Required Courses		
MATH 136	Calculus I	4
MATH 137	Calculus II	4
MATH 237	Multivariable Calculus	4
MATH 331	Differential Equations	3
PHYS 255 & PHYS 256	University Physics I and University Physics I Lab	5
PHYS 265 & PHYS 266	University Physics II and University Physics II Laboratory	5
CHEM 120 & CHEM 121 or CHEM 116 or CHEM 106	College Chemistry I and College Chemistry I Laboratory Introduction to College Chemistry Fundamentals of General Chemistry Laboratory	5

Math and Science Elective **3**

Each mechanical engineering student must also take at least one mathematics / science elective, for a total of a minimum of 32 hours of mathematics and science courses beginning with MATH 136. This elective must be chosen from the following list:

ASTR 214	General Astronomy
BIOL 120 & BIOL 121	Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab
BIOL 122 & BIOL 123	Biological Concepts: Evolution, Diversity, and Ecology and Biological Concepts: Evolution, Diversity, and Ecology Lab
BIOL 207	General Microbiology
CHEM 222 & CHEM 223	College Chemistry II and College Chemistry II Laboratory
PHYS 316	Computational Physics
PHYS 318	Data Acquisition Using Labview

MATH 305	Introduction to Mathematical Modeling
MATH 307	Introduction to Linear Algebra
MATH 310	Introduction to Discrete Mathematics
MATH 370	Applied Techniques in Mathematics
STAT 301	Introductory Probability and Applied Statistics

Total Hours **33**

Students must complete a minimum of 32 hours of mathematics and science courses beginning with MATH 136. Student must also satisfy the WKU Colonnade requirements.

Finish in Four Plan

First Year

Fall	Hours	Spring	Hours
ME 176		1 ME 180	3
MATH 136		4 MATH 137	4
CHEM 116 & CHEM 106 (or CHEM 120/121)		4 PHYS 255	4
ENG 100		3 PHYS 256	1
COMM 145		3 EM 222	3
15		15	

Second Year

Fall	Hours	Spring	Hours
ME 240		3 ME 200	3
ME 241		1 MATH 331	3
MATH 237		4 EM 303	3
PHYS 265		4 EE 210	3.5
PHYS 266		1 ENG 200	3
HIST 101 or HIST 102		3	
16		15.5	

Third Year

Fall	Hours	Spring	Hours
ME 220		3 ME 300	2
EM 313		3 ME 310	3
ME 344		3 ME 347	1
Math/Science Elective		3 ME 330	3
Colonnade - Arts & Humanities		3 ME Technical Elective	3
		Colonnade - Social & Behavioral	3
15		15	

Fourth Year

Fall	Hours	Spring	Hours
ME 325		4 ME 412 or ENGR 491	3
ME 333		1 ME Technical Elective	3
ME 400 or ENGR 490		2 ME Technical Elective	3
ME Technical Elective		3 Colonnade - Local to Global	3
Colonnade - Social & Cultural		3 Colonnade - Systems	3
ENG 300		3	
16		15	

Total Hours 122.5

Systems Engineering, Minor (476)

Program Coordinator

Manohar Chidurala, manohar.chidurala@wku.edu, (270) 745-2489

Program Requirements (21-21.5 hours)

Systems engineering is a robust approach to the design, creation, and operation of systems. The minor requires 21 hours for CE and ME majors and 22 hours for EE majors. Students must complete 12 or 12.5 hours of required courses and choose a minimum of 9 hours from elective courses

Code	Title	Hours
Select one of the following:		3-3.5
EE 210	Circuits & Networks I	
EM 222	Statics	
STAT 301	Introductory Probability and Applied Statistics	3
or CE 305	Risk Analysis	
ENGR 400	Principles of Systems Engineering	3
ENGR 491	Senior Project II	3
or ME 412	Mechanical Engineering Senior Project	
Select 9 hours from the following:		9
CE 303	Construction Management	
EE 460	Continuous Control Systems	
EM 313	Dynamics	
Any CE 400-level technical elective		
Any EE 400-level technical elective		
Any ME 49x technical electives		
Total Hours		21-21.5

The technical elective must incorporate or expand on systems engineering principles as outlined in ENGR 400. Technical elective courses currently meeting this intent include but are not limited to the following:

Code	Title	Hours
CE 300	Floodplain Management	3
CE 378	Route Surveying	3
CE 379	Route Surveying Lab	1
CE 380	Boundary Surveying	3
CE 381	Boundary Surveying Lab	1
CE 383	Structural Steel Design	3
CE 384	Reinforced Concrete Design	3
CE 426	Advanced Construction Materials	3
CE 440	Masonry Design and Construction	3
EE 410 & EE 411	Computer Design and Computer Design Lab	4
EE 443	Microfabrication and MEMS	3
EE 431	Introduction to Power Systems	3.5
EE 432	Power Systems II	3
EE 461	Discrete Control Systems	3

ME 49x courses taken in consultation with your advisor

SKyTeach

Dr. Les Pesterfield, Co-Director

Dr. Martha M. Day, Co-Director

Kelly Thompson Hall, Office 1011A

Phone: 270-745-3900; Fax: 270-745-2014

Email: Skyteach@wku.edu

Website: <http://www.wku.edu/skyteach/>

Master Teachers: Catherine Poteet, Melissa Rudloff

SKyTeach offers opportunities to undergraduate students at Western Kentucky University entering careers in mathematics and science education. SKyTeach is a unique collaboration between the College of Education and Behavioral Sciences and Ogden College of Science and Engineering, modeled after the highly successful UTeach program at the University of Texas at Austin. Students enrolled in the program complete four year degree programs leading to double majors in Science and Mathematics Education (SMED) and a content area major in middle grades mathematics, middle grades science, mathematics, chemistry, biology, or physics.

Middle School Science, Bachelor of Science (734)

The middle school science major is for students who plan to teach science in grades 5 through 9. The middle school science major also requires completion of the science and mathematics education (SMED) program. Upon successful completion of both majors, the student will earn a Bachelor of Science degree and will qualify for an institutional recommendation for a Kentucky Provisional Certificate for teaching in the middle grades (5-9) science field.

Program Requirements (30-31 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

To major in Middle School Science, students must complete 30-31 semester hours of coursework with a "C" or higher in each course. All science courses must be completed with an average GPA of 2.75 or better.

Code	Title	Hours
Core Courses		
ASTR 104	Astronomy of the Solar System	3
or ASTR 106	Astronomy of Stellar Systems	
BIOL 122 & BIOL 123	Biological Concepts: Evolution, Diversity, and Ecology and Biological Concepts: Evolution, Diversity, and Ecology Lab	4
Select one of the following:		4
GEOL 111 & GEOL 113	The Earth and The Earth Laboratory	
GEOL 112 & GEOL 114	Earth's Past and Future and Earth's Past and Future Lab	
Select one of the following:		4
PHYS 201	College Physics I	

PHYS 231 & PHYS 232	Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I	
Upper-Level Science Courses		
SMED 360	Research Methods for Math and Science Teachers	3
Select three of the following:		9
ASTR 405	Astronomy for Teachers	
BIOL 303	Life Science for Middle Grades Teachers	
CHEM 470	Chemistry / Middle School	
GEOL 305	Earth System Science for Teachers	
PHYS 410	Physics for Teachers	
Upper-Level Restricted Electives		
Select one of the following:		3-4
BIOL 319 & BIOL 322	Introduction to Molecular and Cell Biology and Introduction to Molecular and Cell Biology Laboratory	
BIOL 325	Insect Biodiversity	
BIOL 326	Ornithology	
BIOL 327	Genetics	
BIOL 334	Animal Behavior	
BIOL 348	Plant Taxonomy	
GEOG 471	Technological Applications in Natural Resource Management	
GEOL 408	Structural Geology	
GEOL 310	Global Hydrology	
GEOL 311	General Oceanography	
GEOL 325	Introduction to Minerals and Crystalline Rocks	
GEOL 380	Introductory Field Techniques	
GEOL 405	Paleontology	
SMED 300	Middle Grades Science Skills and Methods	
SMED 400	Applying Middle Grade Science Across Disciplines	
Total Hours		30-31

Support Courses

Students must complete the following support courses:

Code	Title	Hours
BIOL 120 & BIOL 121	Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab	4
Select one of the following:		3-5
MATH 117	Trigonometry	
MATH 136	Calculus I	
MATH 142	Calculus with Applications for Life Sciences	
Select one of the following:		4-5

CHEM 105 & CHEM 106	Fundamentals of General Chemistry and Fundamentals of General Chemistry Laboratory
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory

Total Hours 11-14

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
ASTR 104 or ASTR 106		3 GEOL 111 & GEOL 113 or GEOL 112/114	4
BIOL 120 & BIOL 121 or BIOL 122/123		4 BIOL 120 & BIOL 121 or BIOL 122/123	4
ENG 100		3 COMM 145	3
MATH 117		3 HIST 101 or HIST 102	3
SMED 101		3 SMED 102	2-3
		16	17

Second Year			
Fall	Hours	Spring	Hours
CHEM 105 & CHEM 106 or CHEM 120/121		4 PHYS 201 or PHYS 231/232	4
ENG 200		3 SMED 320	3
Colonnade: Arts & Humanities		3 Restricted Upper Division Elective*	3
SMED 310		3 World Language, if needed OR General Elective	3
World Language, if needed OR General Elective		3 General Elective	3
		16	16

Third Year			
Fall	Hours	Spring	Hours
SMED 340		3 SMED 360	3
MSS Elective		3 ENG 300	3
Restricted Upper Division Elective*		3 Restricted Upper Division Elective*	3
Colonnade: Connections (Social & Cultural)		3 MSS Elective	3
General Elective		3 MSS Elective	3
		15	15

Fourth Year			
Fall	Hours	Spring	Hours
SMED 470		3 MGE 490	5-10
General Education B		3 SMED 489	3
Colonnade: Connections (Systems)		3	
Colonnade: Connections (Local to Global)		3	
		12	13

Total Hours 120

* Restricted upper division course. Student must select 3 of the 5 following courses with the assistance of their advisor:

- PHYS 410 Physics for Teachers
- ASTR 405 Astronomy for Teachers
- CHEM 470 Chemistry for Teachers
- BIOL 303 Life Sciences for Middle Grades Teachers
- GEOL 305 Earth Systems for Teachers

College of Health and Human Services

Academic Complex, Office 208

Phone: 270-745-2425; Fax: 270-745-7073

Email: chhs@wku.edu

Website: <http://www.wku.edu/chhs> (<http://www.wku.edu/chhs/>)

Dr. Tania Basta, Dean

Email: Tania.Basta@wku.edu (tania.basta@wku.edu)

Dr. Danita S. Kelley, Associate Dean

Email: Danita.Kelley@wku.edu

Vision

To be an innovative leader in the student-centered, interprofessional preparation of health and human services professionals by providing students with an inclusive, community-engaged, and interdisciplinary academic experience.

Mission

We prepare health and human services professionals who will work to improve the quality of life in their communities and beyond.

The College of Health and Human Services (CHHS) consists of seven academic units that represent an array of disciplines and offers degrees at the associate, baccalaureate, masters, and doctoral degree levels. Academic units include Applied Human Sciences; Communication Sciences and Disorders; Nursing and Allied Health; Kinesiology, Recreation, and Sport; Physical Therapy; Public Health; and Social Work. CHHS oversees the South Central Kentucky Area Health Education Center, the Center for Environmental and Workplace Health, the Center for Applied Science in Health and Aging, the LifeSkills Center for Child Welfare Education and Research, and the WKU Cardiopulmonary Resuscitation Center. CHHS is also one of the participating institutions for the doctoral program in Rehabilitation Sciences offered through the University of Kentucky.

The focus of the CHHS is to provide the highest possible quality of education to prepare our students to become leaders in careers related to health and human services. First year students have the opportunity to enroll directly in a specific major or pre-major program or to enroll in our "exploratory" program and investigate the many career options available to them in health and human services. Faculty are highly qualified in their respective disciplines and utilize innovative teaching strategies along with state of the art instructional technology, including IVS, web-enhanced, and web-based instruction.

The disciplines in the college have their roots in outreach to the community. Disciplines in CHHS prepare students for their professions by engaging them in activities within the community that apply the theories and concepts discussed in the classroom for a more comprehensive understanding of the issues, while providing a valuable service to the communities in which we reside. To fulfill degree requirements for most programs, students are required to complete clinical experiences, field work, or internships through one of the many affiliation agreements at a myriad of health and human services facilities, agencies, and organizations.

Due to the nature of these experiences, students are required to meet various departmental or school academic requirements and federal and/

or state mandates. Departments and schools may require the successful completion of specific courses or maintaining a certain GPA in order to be placed in clinical or internship experiences. Some students may be required to undergo criminal background checks and drug testing and to provide proof of health insurance, liability insurance, and/or immunization records prior to participating in any required experiences at selected on or off-campus facilities/agencies. Additionally, there may be certifications, training seminars, or other requirements specified by the facility/agency or program that a student must meet in order to be eligible for field or practical experiences at a facility. It is the responsibility of the student to ensure that all institutional and/or facility requirements are met as a condition of participating in the on or off-campus experiences; students may be responsible in part or in full for any costs incurred to meet such requirements. Students are also responsible for transportation to and from off-campus experiences. In some CHHS programs, the students are responsible for rental fees for clinical instruments and supplies, purchasing uniforms, equipment, and possible course and program fees above the regular tuition. At the completion of the program, students may also be responsible for fees related to national, regional, and/or state licensing exams.

South Central Kentucky Area Health Education Center (AHEC)

Connecting Students to Careers – Professionals to Communities – Communities to Better Health

Catherine Malin, Director

Email: Catherine.Malin@wku.edu

Phone: 270-745-3325

Website: <http://www.wku.edu/scahec> (<http://www.wku.edu/scahec/>)

The mission of the Kentucky AHEC is to promote healthy communities through innovative educational partnerships. This is accomplished by providing the following educational support services to health professions students and health care providers; community health education; and programs that encourage health professions as a career choice.

The South Central AHEC is affiliated with the University of Louisville School of Medicine in cooperation with WKU's College of Health and Human Services. Programming for WKU students includes:

- MCAT Prep Advantage - a program for pre-med students that combines online MCAT prep, shadowing, mock interviews, and personal statement review.
- Mock interviews and personal statement reviews for all health and pre-health profession students.
- Student Internships – Undergraduate and graduate
- AHEC Scholars – is a two year, advanced-learning program which prepares health profession students to be leaders in their field. Throughout the program, students collaborate across health disciplines and geographic regions as they prepare to practice in the ever evolving healthcare field. This is a national program conducted by all AHECs and funded by the Health Resources Services Administration.
- Bridging the Gap Medical Interpreter Training Program – A 40-hour course offered several times a year that prepares students to provide medical interpreting services.
- WKU-AHEC Student Rural Health Association (SRHA) – A student organization for students interested in rural health.

- Greenview Shadowing Program – A semester- long program for students interested in shadowing healthcare professionals at the hospital.
- State Registered Nurse Aide (SRNA) – This class prepared students to take the written and skills test to become a SRNA which can lead to employment in long term care facilities and acute care hospitals.
- Opportunities to enhance cultural competency by working with Old Order Mennonite communities and New Americans.

CHHS Center for Environmental and Workplace Health (CEWH)

Dr. Gretchen Macy, Co-Director

Email: Gretchen.Macy@wku.edu

Phone: 270-745-5870

Dr. Edrisa Sanyang, Co-Director

Email: Edrisa.Sanyang@wku.edu

Phone: 270-745-3500

Website: <https://www.wku.edu/cewh/>

The mission of CEWH is to address environmental, occupational, and workplace health and safety issues through innovative education, research, partnerships, and service.

Objectives of the Center:

- Promote research, creativity, and scholarly activity by faculty and students.
- Prepare students for lifelong learning and success.
- Enhance the diversity and international profile of faculty, staff, and student populations.
- Expand WKU's economic impact on the region through student, faculty, and staff engagement.

The CEWH serves to address environmental, occupational, and workplace safety and health research in the region. CEWH engages faculty, staff, and students through innovative research that enhances education, partnerships, and service offered by CHHS. CEWH brings together disciplines throughout CHHS and WKU to improve the health of the community and workers by understanding the risks and conditions associated with environmental and occupational diseases and injuries, to explore methods for reducing risks and for preventing or minimizing exposure to hazardous conditions in the environment and workplace, and to translate significant scientific findings into prevention practices, products, and innovations that will effectively reduce environmental and work-related hazards, illnesses, and injuries.

CHHS Center for Applied Science in Health and Aging (CASHA)

Dr. Jason Crandall, Co-Director

Email: Jason.Crandall@wku.edu (jason.crandall@wku.edu)

Phone: 270-745-2077

Website: <https://www.wku.edu/casha/>

Dr. Matthew Shake, Co-Director

Email: Matthew.Shake@wku.edu (matthew.shake@wku.edu)

Phone: 270-745-3918

Website: <https://www.wku.edu/casha/>

CASHA was created in CHHS to engage in rigorous research to promote health, vitality, and human potential in the aging community through innovative education, research, partnerships, and service. CASHA will collaborate with community organizations and university partners to identify and address needs in the aging community. Findings will inform research, policy, practice, and program development. CASHA will integrate disciplinary perspectives in physical activity, health, human development, and cognitive psychology to optimize human potential. In addition, CASHA seeks to develop the knowledge, skills, and dispositions of emerging scholars and practitioners by providing experiential and developmental learning opportunities for undergraduate and graduate students.

LifeSkills Center for Child Welfare Education and Research (LCCWEAR)

Dr. Austin Griffiths, Director

Email: Austin.Griffiths@wku.edu

Phone: 270-745-2676

The LifeSkills Center for Child Welfare Education and Research was established in CHHS as an applied research center designed to utilize multidisciplinary partnerships and collaborations to positively impact Kentucky's children and families through research, grants, and education.

The Center will build on partnerships with statewide constituents to provide best practices in child welfare education. LCCWEAR will engage in child welfare research and grant activities that promote and support effective practice interventions with Kentucky's children and families.

WKU Cardiopulmonary Resuscitation (CPR) Training Center

Gerita Cook, Coordinator

Email: Gerita.Cook@wku.edu

Phone: 270-745-3762

Website: <https://www.wku.edu/scahec/cpr.php>

The WKU CPR Training Center is dedicated to upholding the standards of the American Heart Association in accountability for instructors as well as excellent classroom training for the campus and the community. Classes are available for all faculty, staff, and students; as well as the general community. Available classes include: Healthcare Provider; Heartsaver CPR (adult, pediatric, infant), first aid, and bloodborne pathogens; and instructor courses for all disciplines.

Departments, Schools, and Programs

- Department of Applied Human Sciences (p. 336)
 - Child and Family Services, Bachelor of Science (5011) (p. 337)
 - Child Studies, Minor (336) (p. 340)
 - Early Childhood Education Director Certificate (1739) (p. 340)
 - Family Home Visiting, Certificate (1701) (p. 340)
 - Family Studies, Minor (338) (p. 340)
 - Hospitality Management and Dietetics, Bachelor of Science (707P, 707) (p. 341)
 - Interior Design and Fashion Merchandising, Bachelor of Science (531) (p. 344)
 - Meeting and Convention Planning, Minor (418) (p. 346)
- Department of Communication Sciences and Disorders (p. 346)

- American Sign Language Studies, Minor (307) (p. 347)
- Communication Disorders, Bachelor of Science (595P, 595) (p. 347)
- Deaf Studies, Certificate (1738) (p. 349)
- Department of Physical Therapy (p. 349)
- Department of Public Health (p. 350)
 - Environmental and Occupational Health Science, Bachelor of Science (548P, 548) (p. 351)
 - Environmental Health, Certificate (1743) (p. 352)
 - Health Care Administration, Bachelor of Science (559P, 559) (p. 352)
 - Health Care Administration, Minor (386) (p. 354)
 - Health Education and Promotion, Certificate (1741) (p. 354)
 - Health Education, Minor (389) (p. 354)
 - Health Informatics, Certificate (1740) (p. 355)
 - Health Information Management, Bachelor of Science (529P, 529) (p. 355)
 - Health Sciences, Bachelor of Science (564) (p. 357)
 - Long-Term Care Administration, Certificate (1717) (p. 361)
 - Occupational Safety & Health, Certificate (1705) (p. 361)
 - Public Health, Bachelor of Science (521P, 521) (p. 361)
 - Public Health, Certificate (1742) (p. 363)
 - Worksite Health Promotion, Certificate (1707) (p. 363)
- Department of Social Work (p. 364)
 - Social Work, Bachelor of Social Work (594P, 594) (p. 364)
 - Social Work, Minor (459) (p. 366)
- School of Kinesiology, Recreation and Sport (p. 366)
 - Athletic Coaching, Certificate (1770) (p. 367)
 - Athletic Coaching, Minor (320) (p. 368)
 - Esports Management, Certificate (1766) (p. 368)
 - Exercise Science, Bachelor of Science (554P, 554) (p. 368)
 - Facility and Event Management, Minor (367) (p. 369)
 - Nonprofit Administration, Minor (422) (p. 370)
 - Outdoor Experience Leadership, Minor (442) (p. 371)
 - Physical Education, Bachelor of Science (587) (p. 371)
 - Recreation, Park, and Nonprofit Administration, Bachelor of Science (5010) (p. 374)
 - Sport Management, Bachelor of Science (572P, 572) (p. 377)
 - Tourism and Events, Minor (319) (p. 378)
- School of Nursing and Allied Health (p. 378)
 - Dental Hygiene (Associate of Science) (226P, 226) (p. 379)
 - Dental Hygiene, Bachelor of Science (524P, 524) (p. 380)
 - Nursing, Associate of Science in Nursing (273P, 273) (p. 382)
 - Nursing, Bachelor of Science in Nursing (586P, 586) (p. 383)

Department of Applied Human Sciences

Mr. Travis Wilson, Chair

Academic Complex, Cannon Wing, Office 302F

Phone: (270) 745-4352

Email: deirdre.lawless@wku.edu (<http://catalog.wku.edu/undergraduate/health-human-services/applied-human-sciences/deirdre.lawless@wku.edu>)

Website: <https://www.wku.edu/ahs> (<https://www.wku.edu/ahs/>)

The Department of Applied Human Sciences offers Bachelor of Science degrees in Interior Design and Fashion Merchandising, Family and Consumer Sciences; and Hospitality Management and Dietetics. All AHS majors are required to take nine hours of coursework selected from the pool of approved courses with major advisor approval. The Department also offers Certificate programs in Early Childhood Education Director and Family Home Visiting.

The pool of approved courses include: HMD 211; IDFM 221; FACS 310; FACS 311; HMD 351; IDFM 421; and IDFM 431.

When planning a program of study in this department, each student should be aware of the University's academic requirements and regulations contained in this catalog in the chapter "Academic Information." Specific attention should be given to the subsections in the chapter entitled (a) Academic Programs, (b) Colonnade Requirements, and (c) Academic Requirements and Regulations. Students should be aware that some academic programs may require additional scholastic regulations and standards not specified in the catalog. To obtain a copy of these regulations, students should contact the department chair or their advisor.

In several of the department's programs, students may be required to undergo criminal background checks and drug testing and to provide proof of health insurance, liability insurance, and/or immunization records prior to participating in any required experiences at selected off-campus facilities/agencies. Additionally, there may be certifications, training seminars, or other requirements specified by the facility/agency that a student must meet in order to be eligible for field or practical experiences at the facility. It is the responsibility of the student to ensure that all institutional and/or facility requirements are met as a condition of participating in the off-campus experiences; students may be responsible in part or in full for any costs incurred to meet such requirements. Students are also responsible for transportation to and from off-campus experiences. Additional policies, requirements, and costs for concentrations are specified at the departmental website, <http://www.wku.edu/ahs> (<http://www.wku.edu/ahs/>).

Degrees

- Child and Family Services, Bachelor of Science (5011) (p. 337)
- Hospitality Management and Dietetics, Bachelor of Science (707P, 707) (p. 341)
- Interior Design and Fashion Merchandising, Bachelor of Science (531) (p. 344)

Minors

- Child Studies, Minor (336) (p. 340)
- Family Studies, Minor (338) (p. 340)
- Meeting and Convention Planning, Minor (418) (p. 346)

Certificates

- Early Childhood Education Director Certificate (1739) (p. 340)
- Family Home Visiting, Certificate (1701) (p. 340)

Faculty Professor

Darbi J. Haynes-Lawrence PhD (Special Education), Indiana University-Bloomington, 1998

Danita M. Kelley PhD (Nutritional Science), University of Kentucky, 1994

Travis K. Wilson MARCH (Architecture), University of Oklahoma Norman, 1998

Associate Professor

Dora Babb PhD (Human Environmental Sciences, Human Development and Family Science), Oklahoma State University Main Campus, 2010

Soyeon Kim PhD (Hospitality Management), The Ohio State University Main Campus, 2013

Karen G. Mason PhD (Nutritional Science), University of Kentucky, 2002

Heather M. Payne-Emerson PhD (Nutritional Science), University of Kentucky, 2010

Qingfang Song PhD (Developmental Psychology), Cornell University, 2016

Adam R. West PhD (Human Development and Family Science), University of Texas at Austin, 2013

Assistant Professor

Ann E. Embry PhD (Hospitality Management), Iowa State University, 2017

Yuan Fang PhD (Design), North Carolina State University, 2017

Fatemeh Soltani PhD (Health Leisure & Human Perf), Oklahoma State University Main Campus, 2015

Instructor I

Angela G. Gott MA (Graduate Education), Georgetown College, 2003

Seth A. Howard MR, Fashion Inst of Technology, 2015

Deborah C. Shivel MA (Textiles and Clothing), University of Kentucky, 1987

Matthew E. VanSchenkof PhD, Kansas State University, 2011

Julia G. Williams MS (Architecture), University of Nebraska-Lincoln, 2012

Instructor II

Sheila S. Flener MA (Art (Creative)), University of Louisville, 2007

Julie K. Lee MBA (Marketing), University of Cincinnati Main Campus, 2002

Child and Family Services, Bachelor of Science (5011)

Program Coordinator

This program offers two concentrations which lead to a Bachelor of Science degree: (1) Child and Family Services which provides a program of study for those who wish to work in a child- or family-focused environment but do not want teacher certification; (2) Family and Consumer Sciences Education, which leads to teacher certification.

Child and Family Services Concentration

The concentration in Child and Family Services requires a minimum of 63 hours in consumer and family sciences and related courses. Students must complete 48 hours in the concentration core as well as pick an elective group (Child Development or Family Development) and complete the 15 hours required for that elective group. A grade of "C" or above must be earned in the courses required for this concentration.

Family and Consumer Sciences Education Concentration

The concentration in Family and Consumer Sciences Education requires a minimum of 54 hours in consumer and family sciences, and 28 hours in professional education for a total of 82 hours and leads to a Bachelor of Science degree. A grade of "C" or above must be earned in the courses required for this major.

Concentrations

- Family and Consumer Science Education (CFED)
- Child and Family Services (CFCF)

Program Requirements (63-82 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

This program offers two concentrations which lead to a Bachelor of Science degree:

1. Child and Family Services, which provides a program of study for those who wish to work in child/family-focused environments.
2. Family and Consumer Sciences Education, which leads to teacher certification.

Child and Family Services Concentration

The concentration in Child and Family Services requires a minimum of 63 hours in family and child related courses. A grade of "C" or above must be earned in the following courses required for this concentration:

Code	Title	Hours
FACS 180	Foundations in Family and Consumer Sciences	3
FACS 191	Child Development	3
FACS 277	Development in Middle Childhood	3
FACS 292	Diversity in Early Childhood Programs	3
FACS 297	Family, Community and Early Childhood Program	3
FACS 311	Family Relations	3
FACS 312	Professional Ethics for Family Life	3
FACS 393	Role of Play in Child Development	3
FACS 395	Child and Family Stress	3
FACS 399	Implications of Research in Family and Child Studies	3
FACS 493	Family Life Education	3
FACS 494	Parenting Strategies	3
FACS 495	Family and Relationship Violence	3
FACS 496	Addressing Challenging Behavior in Young Children	3
FACS 497	Family Home Visiting	3

FACS 499	Family Policy Analysis	3
Select Child Development Electives Group OR Family Development Electives Group (All 15 hours must be from the same group.)		15
Child Development Electives		
FACS 193	Curriculum Development for Young Children	
FACS 294	Screening and Assessment of Young Children	
FACS 299	Administration of Early Childhood Programs	
FACS 335	Infant/Toddler Development and Curriculum	
FACS 336	Preschool and Kindergarten Children Development and Curriculum	
Family Development Electives		
FACS 310	Management of Family Resources	
FACS 410	Internship	
FACS 422	Adolescent Psychology	
GERO 100	Introduction to the Aging Experience	
PH 365 or SOCL 359	Human Sexuality Sexuality and Society	
Total Hours		63

Family and Consumer Sciences Education Concentration

The concentration in Family and Consumer Sciences Education requires a minimum of 54 hours in consumer and family sciences, and 28 hours in professional education for a total of 82 semester hours and leads to a Bachelor of Science degree. A grade of "C" or above must be earned in the following courses required for this major:

Code	Title	Hours
AGED 300	Youth Development for Agricultural Educators	3
FACS 180	Foundations in Family and Consumer Sciences	3
FACS 191	Child Development	3
FACS 310	Management of Family Resources	3
FACS 311	Family Relations	3
FACS 312	Professional Ethics for Family Life	3
FACS 381	Methods and Materials in Family and Consumer Sciences Education	3
FACS 422	Adolescent Psychology	3
FACS 481	Advanced Methods in Family and Consumer Sciences Education	3
FACS 493	Family Life Education	3
FACS 494	Parenting Strategies	3
HMD 151	Food Science	3
HMD 211	Human Nutrition	3
IDFM 100	Introduction to Housing and Interior Design	3
IDFM 120	Visual Design I	3
IDFM 131	Basic Apparel Construction	3
IDFM 223	Textiles	3

Select three hours of electives from the following:		3
HMD 152	Food Service Sanitation	
HMD 251	Commercial Food Preparation	
HMD 171	Introduction to Management in the Hospitality Industry	
FACS 193	Curriculum Development for Young Children	
FACS 393	Role of Play in Child Development	
FACS 495	Family and Relationship Violence	
IDFM 132	Perspectives of Dress	
IDFM 431	Clothing and Human Behavior	
PH 365	Human Sexuality	
Total Hours		54

Professional Education Courses for Family and Consumer Sciences Education

Code	Title	Hours
EDU 250	Discover Teaching: Introduction to Teacher Education	3
EDU 260	Classroom Assessment	3
EDU 350	Student Diversity and Differentiation	3
EDU 360	Behavior and Classroom Management in Education	3
EDU 489	Student Teaching Seminar	3
MGE 490	Student Teaching	5
PSY 310	Educational Psychology: Development and Learning	3
SEC 490	Student Teaching	5
Total Hours		28

No minor is required. Students majoring in the Family and Consumer Sciences Education concentration are required to meet with their advisor before enrolling for the upcoming semester. All requirements for admission to professional education must be met to fulfill the Kentucky standards for the designated teaching certificate. Current information on teacher education and certification are available on the website for the Office of Professional Educator Services: <http://www.wku.edu/educatorservices/>. (<http://www.wku.edu/educatorservices/.html>)

Finish in Four Plans

Child and Family Services Concentration: Child Development Electives

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 COMM 145	3
FACS 180		3 ENG 200	3
FACS 191		3 HIST 101 or HIST 102	3
MATH 109		3 FACS 193	3
Major/Minor/Elective or World Language		3 Major/Minor/Elective or World Language	3
		15	15
Second Year			
Fall	Hours	Spring	Hours
FACS 292		3 FACS 277	3
FACS 294		3 FACS 299	3

FACS 297		3 Colonnade - Explorations- Natural & Physical Sciences w/ lab	3
Colonnade - Explorations- Arts & Humanities		3 Colonnade- Explorations- Social and Behavioral	3
Colonnade - Explorations- Natural & Physical Sciences w/ no lab		3 Major/Minor/Elective	3
		15	15
Third Year			
Fall	Hours	Spring	Hours
FACS 311		3 FACS 312	3
FACS 393		3 FACS 395	3
FACS 335		3 FACS 336	3
Colonnade- Connections - Local to Global		3 ENG 300	3
FACS 399		3 Colonnade- Connections- Systems	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
FACS 494		3 FACS 493	3
FACS 495		3 FACS 497	3
FACS 496		3 FACS 499	3
Colonnade- Connections- Social and Cultural		3 Major/Minor/Elective	3
Major/Minor/Elective		3 Major/Minor/Elective	3
		15	15
Total Hours 120			

Child and Family Services Concentration: Family Development Electives

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 COMM 145	3
FACS 180		3 ENG 200	3
FACS 191		3 HIST 101 or HIST 102	3
MATH 109		3 GERO 100	3
Colonnade - Social & Behavioral Sciences		3 Colonnade - Arts & Humanities	3
		15	15
Second Year			
Fall	Hours	Spring	Hours
FACS 292		3 FACS 277	3
FACS 297		3 Colonnade - Natural & Physical Sciences w/ lab	3
Colonnade - Natural & Physical Sciences w/ no lab		3 Colonnade - Connections- Systems	3
Colonnade- Explorations- Arts and Humanities		3 Elective/World Language	3
Elective/World Language		3 Major/Minor/Elective	3
		15	15
Third Year			
Fall	Hours	Spring	Hours
FACS 311		3 FACS 310	3
FACS 393		3 FACS 312	3

ENG 300		3 FACS 395		3
FACS 399		3 PH 365 or SOCL 359		3
Major/Minor/Elective		3 Major/Minor/Elective		3
15				15
Fourth Year				
Fall	Hours	Spring	Hours	
FACS 494		3 FACS 410		3
FACS 495		3 FACS 422		3
FACS 496		3 FACS 493		3
Colonnade- Connections- Local to Global		3 FACS 497		3
Colonnade - Connections- Social and Cultural		3 FACS 499		3
15				15
Total Hours 120				

Family and Consumer Sciences Education Concentration

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 COMM 145	3
IDFM 131		3 ENG 200	3
HIST 101 or HIST 102		3 MATH 109 or MATH 116	3
FACS 191		3 Colonnade- Explorations- Social and Behavioral	3
FACS 180		3 IDFM 120	3
		15	15
Second Year			
Fall	Hours	Spring	Hours
IDFM 100		3 HMD 211 (Colonnade- Connections-Systems)	3
IDFM 223		3 EDU 260	3
EDU 250		3 FACS 311	3
Colonnade - Explorations- Arts & Humanities		3 FACS 312	3
Colonnade - Explorations- Natural & Physical Sciences w/ no lab		3 Colonnade - Natural & Physical Sciences w/ lab	3
		15	15
Third Year			
Fall	Hours	Spring	Hours
EDU 350		3 AGED 300	3
ENG 300		3 EDU 360	3
FACS 310		3 FACS 381	3
HMD 151		3 FACS 422	3
Colonnade- Connections - Social & Cultural		3 FACS 493	3
		Elective	2
		15	17
Fourth Year			
Fall	Hours	Spring	Hours
PSY 310		3 EDU 489	3
FACS 481		3 MGE 490	5
FACS 494		3 SEC 490	5
Colonnade- Connections- Local to Global		3	

Major Elective	3
	15

Total Hours 120

Child Studies, Minor (336)

Program Requirements (21 hours)

The minor in child studies requires a minimum of 21 semester hours. A grade of "C" or above must be earned in the following courses required for the minor:

Code	Title	Hours
FACS 191	Child Development	3
FACS 297	Family, Community and Early Childhood Program	3
FACS 395	Child and Family Stress	3
FACS 494	Parenting Strategies	3
Select 9 hours of approved electives of the following courses in consultation with departmental advisor:		9
FACS 311	Family Relations	
FACS 391	Risk and Resilience	
FACS 393	Role of Play in Child Development	
FACS 395	Child and Family Stress	
FACS 422	Adolescent Psychology	
FACS 495	Family and Relationship Violence	
FACS 496	Addressing Challenging Behavior in Young Children	
FACS 497	Family Home Visiting	
FACS 499	Family Policy Analysis	
Total Hours		21

Students majoring in the child studies concentration may not minor in child studies.

Early Childhood Education Director Certificate (1739)

Program Coordinator

Dora Babb, dlee.babb@wku.edu, (270) 745-6943

The Early Childhood Education Director Certificate prepares students to direct a child care center. Upon completion, students will be eligible to receive the Kentucky Early Childhood Director credential.

Program Requirements (12 hours)

A grade of "C" or above must be earned in the following courses required for this certificate:

Code	Title	Hours
FACS 191	Child Development	3
FACS 193	Curriculum Development for Young Children	3
FACS 335	Infant/Toddler Development and Curriculum	3
or FACS 336	Preschool and Kindergarten Children Development and Curriculum	

FACS 299	Administration of Early Childhood Programs	3
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Total Hours

12

Family Home Visiting, Certificate (1701)

Program Coordinator

Darbi J. Haynes-Lawrence, darbi.haynes-lawrence@wku.edu, (270) 745-2525

The Family Home Visiting certificate will prepare students to provide home visiting services. Potential clients include those needing parenting skills, those at risk for abusing and neglecting their children, and/or those who need other support services.

Program Requirements (12 hours)

A grade of "C" or above must be earned in the following FACS support courses required for this certificate:

Code	Title	Hours
FACS 395	Child and Family Stress	3
FACS 494	Parenting Strategies	3
FACS 497	Family Home Visiting	3
Select three hours of electives chosen in consultation with departmental advisor		3
Total Hours		12

Family Studies, Minor (338)

Program Requirements (21 hours)

The minor in family studies requires a minimum of 21 semester hours. A grade of "C" or above must be earned in the following courses required for this minor:

Code	Title	Hours
Required Courses:		
FACS 191	Child Development	3
FACS 310	Management of Family Resources	3
FACS 311	Family Relations	3
FACS 494	Parenting Strategies	3
FACS 495	Family and Relationship Violence	3
Restricted Electives ¹		6
FACS 312	Professional Ethics for Family Life	
FACS 391	Risk and Resilience	
FACS 395	Child and Family Stress	
FACS 422	Adolescent Psychology	
FACS 497	Family Home Visiting	
FACS 499	Family Policy Analysis	
Total Hours		21

¹ Chosen in consultation with departmental advisor.

Students majoring in the family studies concentration may not minor in family studies.

Hospitality Management and Dietetics, Bachelor of Science (707P, 707)

Program Coordinator

Karen G. Mason, karen.mason@wku.edu, (270) 745-3462

The major in Hospitality Management and Dietetics program offers three distinct concentrations: (1) Hotel, Restaurant, and Tourism Management, (2) Nutrition and Dietetics and (3) Food, Nutrition, and Wellness.

Concentrations

- Hotel Restaurant & Tourism (CFHR)
- Nutrition & Dietetics (CFND)
- Food, Nutrition & Wellness (CFNW)

Program Requirements (59-67 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major in hospitality management and dietetics program offers three distinct concentrations:

1. Hotel, Restaurant and Tourism Management
2. Nutrition and Dietetics
3. Food, Nutrition and Wellness

Common Core Courses

Code	Title	Hours
HMD 151	Food Science	3
HMD 152	Food Service Sanitation	1
HMD 211	Human Nutrition	3
HMD 251	Commercial Food Preparation	3
HMD 252	Hospitality Information Technology	3
HMD 351	Human Resource Management in the Hospitality Industry	3
HMD 353	Menu Planning and Purchasing	3
HMD 354	Cost Control in the Hospitality Industry	3
HMD 452	Quality and Service Management in the Hospitality Industry	3
HMD 459	Senior Seminar in Hospitality Management and Dietetics	1
IDFM 321	Professional Ethics & Issues Seminar	3
or FACS 312	Professional Ethics for Family Life	
Total Hours		29

A grade of "C" or above must be earned in all courses required for these majors. No minor or second major is required.

Hotel, Restaurant and Tourism Management Concentration

The Hotel, Restaurant, and Tourism Management concentration requires 59 semester hours which include the common core courses and the concentration specific courses. This concentration helps prepare students for careers in hotel and resort management, restaurant management, hospital and school food service, meeting and convention planning, sales and marketing, business and industry food service, catering, and tourism. In addition to the common core courses indicated for the major, this concentration requires the following:

Code	Title	Hours
HMD 171	Introduction to Management in the Hospitality Industry	3
HMD 271	Tourism Planning and Development	3
HMD 275	Restaurant & Retail Management	3
HMD 276	Lodging Operations	3
HMD 373	Hospitality and Tourism Marketing	3
HMD 378	Legal Environment of Hospitality and Tourism	3
HMD 410	Internship in Hospitality Management	3
HMD 470	Advanced Lodging Management	3
HMD 471	Food Service Operations Management	3
HMD 472	Strategic Management in the Hospitality Industry	3
Total Hours		30

Nutrition and Dietetics Concentration

The Nutrition and Dietetics concentration requires 67 semester hours which include the common core courses and the concentration specific courses. This concentration meets requirements of the Academy of Nutrition and Dietetics' Accreditation Council for Education in Nutrition and Dietetics and fulfills one of the steps necessary to become a Registered Dietitian Nutritionist. A grade point average of 3.0 on at least 30 credit hours is required for admission to the Nutrition and Dietetics concentration; specific courses, including human nutrition (HMD 211) with a grade of B or better, chemistry (CHEM 105), biology (BIOL 131), and mathematics (MATH 183), require a minimum grade of "C" or higher and should be a part of these 30 credit hours. Students must have an ACT composite score of > 20 or SAT (CR+M) of > 950. Additional information on the admission process and becoming a Registered Dietitian Nutritionist is available on the program website (<http://www.wku.edu/ahs/dietetics>) (<http://www.wku.edu/ahs/dietetics/>). This concentration helps prepare students for careers in medical nutrition therapy, sports nutrition and wellness, hospital and school food service, public health nutrition, extension services, research, pharmaceutical sales, and private practice. In addition to the common core courses indicated for the major, this concentration requires the following:

Code	Title	Hours
HMD 201	Introduction to Dietetics	1
HMD 340	Nutrition Assessment	3
HMD 360	Advanced Nutrition	3
HMD 361	Life Stage Nutrition	3
HMD 362	Medical Nutrition Therapy I	4

HMD 461	Application of Nutrition Theory and Research	3
HMD 462	Medical Nutrition Therapy II	4
HMD 464	Practicum in Dietetics	3
HMD 465	Community Nutrition	3
AH 290	Medical Terminology	2
CHEM 304	Biochemistry for the Health Sciences	3
ACCT 220	Principles of Financial Accounting	3
Select one of the following electives:		3
BIOL 113	General Biology	
BIOL 120	Biological Concepts: Cells Metabolism and Genetics	
BIOL 231	Advanced Human Anatomy and Physiology	
ECON 206	Statistics	
EXS 311	Physiology of Exercise	
FLK 462	Folklore and Medicine	
HCA 340	Health Care Organization and Management	
HCA 347	International Comparisons of Health Care Systems	
HIM 291	Advanced Medical Terminology	
HIM 292	Pharmacology and Laboratory Diagnostics	
HMD 364	Sports Nutrition	
HMD 367	Nutrition in Aging	
HMD 368	Dietary and Herbal Supplements	
HMD 373	Hospitality and Tourism Marketing	
MKT 220	Basic Marketing Concepts	
PE 311	Exercise Physiology	
PH 383	Biostatistics in the Health Sciences	
PH 390	Wellness and Fitness Assessment	
PH 402	Worksite Health Promotion	
PHIL 322	Biomedical Ethics	
PSY/PSYS 220	Introduction to Lifespan Developmental Psychology	
SOCL 342	Aging in Society	
SWRK 205	Introduction to Social Work	
SWRK 326	Services for the Older American	
Other advisor approved electives		
Total Hours		38

Specific courses required for the concentration may also count toward Colonnade Requirements and include the following:

Code	Title	Hours
ECON 150	Introduction to Economics	3
PSY/PSYS 100	Introduction to Psychology	3
MATH 183	Introductory Statistics	3
CHEM 105	Fundamentals of General Chemistry	3
CHEM 106	Fundamentals of General Chemistry Laboratory	1
CHEM 107	Fundamentals of Organic Chemistry	3

CHEM 108	Fundamentals of Organic Chemistry Laboratory	1
BIOL 131	Human Anatomy and Physiology	4
BIOL 207	General Microbiology	3
BIOL 208	General Microbiology Laboratory	1

Food, Nutrition and Wellness Concentration

The Food, Nutrition and Wellness concentration requires 59 semester hours which include the common core courses and the concentration specific courses. This concentration does not meet accreditation requirements leading to status as a Registered Dietitian Nutritionist. This concentration helps prepare students for careers in extension services, community food programs, food service management, wellness programs, pharmaceutical sales, and quality control or public relations for the food industry. In addition to the common core courses indicated for the major, this concentration requires the following:

Code	Title	Hours
HMD 360	Advanced Nutrition	3
HMD 361	Life Stage Nutrition	3
HMD 461	Application of Nutrition Theory and Research	3
HMD 465	Community Nutrition	3
ACCT 220	Principles of Financial Accounting	3
MKT 220	Basic Marketing Concepts	3
PE 311	Exercise Physiology	3
PH 390	Wellness and Fitness Assessment	3
Select two designated electives with an advisor from the following:		6
COMM 240	Effective Listening	
COMM 345	Advanced Public Speaking	
COMM 346	Persuasion	
ENT 312	Entrepreneurship	
HMD 362	Medical Nutrition Therapy I	
HMD 364	Sports Nutrition	
HMD 367	Nutrition in Aging	
HMD 368	Dietary and Herbal Supplements	
HMD 471	Food Service Operations Management	
MGT 333	Management of Nonprofit Organizations	
MKT 323	Services Marketing	
MKT 325	Personal Selling	
MKT 328	Digital Marketing	
MKT 331	Social Media Marketing	
MKT 427	Entrepreneurial Marketing	
PSYS 370	Industrial / Organizational Psychology	
Other advisor approved electives.		
Total Hours		30

Required Colonnade courses in support of this concentration include CHEM 109 and BIOL 131.

Finish in Four Plans

Food, Nutrition, and Wellness Concentration

First Year

Fall	Hours	Spring	Hours
COMM 145		3 ENG 100	3
HMD 151		3 CHEM 109	4
HIST 101 or HIST 102		3 MATH 109 or MATH 115	3
PSY 100 or PSYS 100		3 Major/Minor/Elective or World Language (if needed)	3
Colonnade - Arts & Humanities		3 HMD 152	1
		Major/Minor/Elective	1
	15		15

Second Year

Fall	Hours	Spring	Hours
ENG 200		3 HMD 251	3
HMD 252		3 ACCT 220	3
BIOL 131		4 MKT 220	3
HMD 211		3 Connections - Social & Cultural	3
Major/Minor/Elective		3 Major/Minor/Elective	3
	16		15

Third Year

Fall	Hours	Spring	Hours
HMD 354		3 IDFM 321	3
HMD 361		3 HMD 360	3
ENG 300		3 Major/Minor/Elective	3
Connections - Local to Global		3 Major Designated Elective	3
Major/Minor/Elective		3 HMD 351	3
	15		15

Fourth Year

Fall	Hours	Spring	Hours
HMD 452		3 HMD 353	3
HMD 465		3 HMD 461	3
PE 311		3 HMD 459	1
Major/Minor/Elective		2 PH 390	3
Major/Minor/Elective		2 Major Designated Elective	3
		Major/Minor/Elective	3
	13		16

Total Hours 120

Hotel, Restaurant, and Tourism Management Concentration

First Year

Fall	Hours	Spring	Hours
COMM 145		3 ENG 100	3
HMD 171		3 HMD 151	3
HMD 271		3 MATH 109 or MATH 116	3
HIST 101 or HIST 102		3 Major/Minor/ Elective or World Language (if needed)	3
Colonnade - Natural & Physical Sciences w/o lab		3 Colonnade - Arts & Humanities	3

	HMD 152	1
	15	16

Second Year

Fall	Hours	Spring	Hours
HMD 276		3 HMD 275	3
HMD 252		3 HMD 251	3
ENG 200		3 Colonnade - Natural & Physical Sciences w/lab	3-4
Colonnade - Social & Behavioral Science		3 Major/Minor/ Elective	3
Major/Minor/ Elective		3 Major/Minor/ Elective	2
	15		14-15

Third Year

Fall	Hours	Spring	Hours	Summer	Hours
HMD 354		3 HMD 351		3 HMD 410	3
HMD 373		3 HMD 353		3	
HMD 378		3 HMD 211		3	
ENG 300		3 Major/Minor/ Elective		3	
Major/Minor/ Elective		3 Major/Minor/ Elective		2	
	15		14		3

Fourth Year

Fall	Hours	Spring	Hours
IDFM 321 or FACS 312		3 HMD 452	3
HMD 459		1 HMD 470	3
HMD 471		3 HMD 472	3
Colonnade - Connections (Local to Global)		3 Colonnade - Connections (Social & Cultural)	3
Major/Minor/ Elective - Upper Division		3 Major/Minor/ Elective - Upper Division	3
	13		15

Total Hours 120-121

Nutrition and Dietetics Concentration

First Year

Fall	Hours	Spring	Hours
COMM 145		3 ENG 100	3
HMD 151		3 CHEM 105	3
HIST 101 or HIST 102		3 CHEM 106	1
PSY 100 or PSYS 100		3 ECON 150	3
Colonnade - Arts & Humanities		3 AH 290	2
		HMD 152	1
		MATH 183	3
	15		16

Second Year

Fall	Hours	Spring	Hours
Major/Minor/ Elective OR World Language (if needed)		3 HMD 251	3

CHEM 107	3	ENG 200	3
CHEM 108	1	BIOL 131	4
HMD 252	3	ACCT 220	3
HMD 211	3	Connections - Local to Global	3
HMD 201	1		

14

16

Third Year

Fall	Hours	Spring	Hours	Summer	Hours
HMD 340		3 HMD 360		3 HMD 464	3
HMD 361		3 HMD 362		4	
Connections - Social & Cultural		3 HMD 354		3	
ENG 300		3 CHEM 304		3	
Major Designated Elective		3 General Elective		1	

15

14

3

Fourth Year

Fall	Hours	Spring	Hours
BIOL 207		3 HMD 353	3
BIOL 208		1 HMD 461	3
HMD 452		3 IDFM 321 or FACS 312	3
HMD 459		1 HMD 351	3
HMD 462		4	
HMD 465		3	

15

12

Total Hours 120

Interior Design and Fashion Merchandising, Bachelor of Science (531)

Program Coordinator

Sheila S. Flener, sheila.flener@wku.edu, (270) 745-4105

The major in Interior Design and Fashion Merchandising (reference number 531) requires a minimum of 78-81 semester hours and leads to a Bachelor of Science degree.

Concentrations

- Interior Design (CINT)
- Fashion Merchandising (CFAS)

Program Requirements (78-81 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major in Interior Design and Fashion Merchandising (reference number 531) requires a minimum of 78-81 semester hours and leads to a Bachelor of Science degree. The program offers two concentrations: Fashion Merchandising (78 hours) and Interior Design (81 hours). Course

work in the major is sequential and most classes are taught once a year. Students seeking the Interior Design major need to plan for four years (8 Semesters) to complete the studio sequence of course work. Common core courses for both concentrations include: IDFM 120, IDFM 221, IDFM 222, IDFM 223 IDFM 321, IDFM 410, IDFM 421, IDFM 427, MKT 220, and MKT 331. A grade of "C" or above must be earned in the required major/support courses. No minor or second major is required.

Fashion Merchandising Concentration

Code	Title	Hours
IDFM 120	Visual Design I	3
IDFM 131	Basic Apparel Construction	3
IDFM 132	Perspectives of Dress	3
IDFM 221	Visual Design II	3
IDFM 222	CAD in Human Environment	3
IDFM 223	Textiles	3
IDFM 231	Textile and Apparel Quality Analysis	3
IDFM 321	Professional Ethics & Issues Seminar	3
IDFM 226	Fashion Illustration	3
IDFM 310	Pattern Making and Draping	3
IDFM 322	Merchandising I for IDFM	3
IDFM 332	History of 20th Century Fashion	3
IDFM 333	Fashion Fundamentals	3
IDFM 335	Apparel Design Production	3
IDFM 410	IDFM Internship	3
IDFM 421	Portfolio Design	3
IDFM 427	Visual Design III	3
IDFM 431	Clothing and Human Behavior	3
IDFM 432	Visual Merchandising and Promotion	3
IDFM 433	Fashion Synthesis	3
IDFM 436	Global Apparel Merchandising	3
IDFM 438	Merchandising II for IDFM	3
MGT 210	Organization and Management	3
MKT 220	Basic Marketing Concepts	3
MKT 331	Social Media Marketing	3
Select 3 hours of electives selected with the advisor from the following:		3
IDFM 423	Human Environment Study Tour	
IDFM 434	History of Costume	
IDFM 244	Digital Design Tools	
IDFM 313	Practicum in Interior Design Fashion Merchandising	
IDFM 424	Historic Textiles	
IDFM 426	Fashion Design Market Trends	
MKT 321	Consumer Behavior	
MKT 325	Personal Selling	
MKT 329	Business-To-Business Marketing	
MKT 423	Supply Chain Management	
MKT 424	Sales Force Management	
MKT 427	Entrepreneurial Marketing	
AD 240	Advertising in a Digital World	
COMM 348	Interpersonal Communication	

COMM 362	Organizational Communication
COMM 365	Intercultural Communication
Total Hours	78

Interior Design Concentration

Code	Title	Hours
IDFM 101	Foundations of Interior Design	1
IDFM 120	Visual Design I	3
IDFM 151	Survey of Architecture and Interiors I	3
IDFM 152	Survey of Architecture and Interiors II	3
IDFM 201	Interior Design Studio I	4
IDFM 221	Visual Design II	3
IDFM 222	CAD in Human Environment	3
IDFM 223	Textiles	3
IDFM 243	Materials and Finishes for Interior Design	3
IDFM 300	Interior Design Studio II	4
IDFM 301	Interior Design Studio III	4
IDFM 302	Interior Design Studio IV	4
IDFM 304	Lighting and Environmental Controls	3
IDFM 321	Professional Ethics & Issues Seminar	3
IDFM 344	Digital Rendering for Interiors	3
IDFM 401	Interior Design Studio V	4
IDFM 402	Senior Design Thesis	4
IDFM 403	Business Principles and Practices for Interior Design	2
IDFM 410	IDFM Internship	3
IDFM 421	Portfolio Design	3
IDFM 427	Visual Design III	3
MKT 220	Basic Marketing Concepts	3
MKT 331	Social Media Marketing	3
ART 105	History of Art to 1300	3
or ART 106	History of Art Since 1300	
Select 6-elective-hours with the advisor from the following:		6
IDFM 308	Design and the Human Lifecycle	
IDFM 313	Practicum in Interior Design Fashion Merchandising	
IDFM 360	Kitchen & Bath Design Studio	
IDFM 400	Special Problems in Interior Design	
IDFM 423	Human Environment Study Tour	
IDFM 444	Environmental Product Design and Development	
IDFM 446	Restoration of Historic Interiors	
IDFM 448	Interior Illustration	
IDFM 449	Design Humanics	
HORT 209	Floral Design	
HORT 309	Advanced Floral Design	
HMD 452	Quality and Service Management in the Hospitality Industry	
MKT 325	Personal Selling	

PJ 131	Fundamentals of Photography
ENG 306	Business Writing
PSY 371	The Psychology of Sales Behavior
Total Hours	81

Finish in Four Plans

Fashion Merchandising Concentration

First Year					
Fall	Hours	Spring	Hours		
ENG 100		3 IDFM 132	3		
IDFM 120		3 COMM 145	3		
MATH 109 or MATH 116		3 HIST 101 or HIST 102	3		
IDFM 131		3 ENG 200	3		
Major/Minor/ Elective or World Language		3 PSY 100 or PSYS 100	3		
		15	15		
Second Year					
Fall	Hours	Spring	Hours		
IDFM 222		3 IDFM 221	3		
IDFM 223		3 IDFM 231	3		
ENG 300		3 IDFM Elective	3		
Colonnade - Natural & Physical Sciences w/ no lab		3 Colonnade - Natural & Physical Science w/ lab	3		
IDFM 226		3 Colonnade - Local to Global	3		
		15	15		
Third Year					
Fall	Hours	Spring	Hours	Summer	Hours
IDFM 431		3 MKT 220		3 IDFM 410	3
IDFM 335		3 IDFM 321	3		
IDFM 322		3 MKT 331	3		
IDFM 332		3 IDFM 310	3		
IDFM 333		3 Colonnade - Systems	3		
		15	15		3
Fourth Year					
Fall	Hours	Spring	Hours		
IDFM 421		3 IDFM 427	3		
IDFM 438		3 IDFM 432	3		
IDFM 436		3 IDFM 433	3		
MGT 210		3 IDFM Elective	3		
		Major/Minor/ Elective	3		
		12	15		

Interior Design Concentration

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 IDFM 152	3
IDFM 120		3 COMM 145	3
MATH 109 or MATH 116		3 IDFM 221	3
IDFM 151		3 IDFM 101	1

ART 105 or ART 106		3 ENG 200		3	
		15		13	
Second Year					
Fall	Hours	Spring	Hours		
IDFM 201		4 IDFM 300		4	
IDFM 243		3 IDFM 344		3	
IDFM 223		3 HIST 101 or HIST 102		3	
IDFM 222		3 Colonnade - Social & Cultural		3	
		MKT 220		3	
		13		16	
Third Year					
Fall	Hours	Spring	Hours	Summer	Hours
IDFM 301		4 IDFM 302		4 IDFM 410	3
IDFM 304		3 IDFM 321		3	
IDFM 427		3 IDFM major elective		3	
Colonnade- Natural & Physical Science w/ lab		3 Colonnade- Natural & Physical Science w/ no lab		3	
Colonnade - Local to Global		3 Colonnade- Social & Behavioral Sciences		3	
		16		16	
				3	
Fourth Year					
Fall	Hours	Spring	Hours		
IDFM 401		4 IDFM 402		4	
IDFM 421		3 ENG 300		3	
MKT 331		3 IDFM 403		2	
IDFM Major Elective		3 Colonnade - Systems		3	
Elective		3			
		16		12	
Total Hours 120					

Meeting and Convention Planning, Minor (418)

Program Requirements (21 hours)

The minor in Meeting and Convention Planning provides students with the range of interdisciplinary skills necessary for success as a meeting, convention, and/or event manager in a variety of settings to include numerous venues in the hospitality and tourism industry. The minor requires a minimum of 21 semester hours. Students must complete the following 12 hours of core courses. In addition, students must complete at least 9 hours of electives from the list below.

Code	Title	Hours
Core Courses		
HMD 171	Introduction to Management in the Hospitality Industry	3
HMD 313	Practicum in Hospitality Management	3

HMD 375	Meeting and Convention Management	3
HMD 475	Advanced Hospitality Event Planning	3

Electives

Select three of the following: 9

HMD 373	Hospitality and Tourism Marketing
HMD 471	Food Service Operations Management
HMD 473	Beverage Management
HMD 476	Global Hospitality and Cuisine
COMM 349	Small Group Communication
COMM 362	Organizational Communication
COMM 365	Intercultural Communication
HORT 209	Floral Design
HORT 309	Advanced Floral Design
HORT 330	Wedding Floral Design
ENT 312	Entrepreneurship
MGT 311	Human Resource Management
MGT 333	Management of Nonprofit Organizations
MKT 323	Services Marketing
MKT 325	Personal Selling
MKT 328	Digital Marketing
MKT 329	Business-To-Business Marketing
MKT 331	Social Media Marketing
MKT 425	Advanced Personal Selling Strategies
MKT 427	Entrepreneurial Marketing
PSYS 370	Industrial / Organizational Psychology
REC 306	Experience Planning and Evaluation

Total Hours 21

When selecting electives, a maximum of two courses in this minor may be duplicated in the student's major or another minor (not including the practicum).

Department of Communication Sciences and Disorders

Dr. Kimberly Green, Interim Director

Academic Complex, Room 104C

Phone: 270-745-4541; Fax: 270-745-3441

Website: <http://www.wku.edu/communicationdisorders> (<http://www.wku.edu/communicationdisorders/>)

The Department of Communication Sciences and Disorders (CSD) offers an undergraduate major in Communication Disorders, a graduate degree in Speech-Language Pathology, a minor in American Sign Language, and a Deaf Studies Certificate. Additionally, the pre-SLP program consists of a series of courses that prepare students without an undergraduate degree in Communication Disorders to apply to graduate programs in Speech-Language Pathology.

The undergraduate Communication Disorders program provides broad-based instruction to prepare students for graduate study in speech-language pathology, audiology, and related fields. Students who complete the undergraduate program receive a Bachelor's of Science in Communication Disorders and must complete a master's degree to practice speech-language pathology and a Doctorate of Audiology (AuD) to practice audiology.

The graduate degree program in Speech-Language Pathology prepares students for the clinical practice of speech-language pathology. A certified speech-language pathologist works with both children and adults to evaluate and diagnose disorders associated with speech, language, cognition, communication, and swallowing. The Speech-Language Pathology graduate program has two cohorts, one offered on the Bowling Green Campus and one distance-learning cohort that is primarily offered online but with one required summer clinical experience on the Bowling Green Campus.

The minor in American Sign Language provides students with communication competency in a visual language and an understanding of the Deaf and Hard of Hearing culture. A Deaf Studies Certificate will broaden a student's knowledge of Deaf and Hard of Hearing individuals, with an emphasis on Deaf Culture. The Deaf Studies Certificate will not qualify students to become licensed interpreters.

Students in the pre-SLP program must have an undergraduate degree from a field other than communication disorders at the time they begin taking courses in the pre-SLP program. The pre-SLP program is a fully online distance-learning program.

Students considering a major in Communication Disorders, a graduate program in Speech-Language Pathology, a minor in American Sign Language, a Deaf Studies Certificate, or the pre-SLP program, should contact the appropriate program director for admission timelines, requirements, and advisement.

Degree

- Communication Disorders, Bachelor of Science (595P, 595) (p. 347)

Minor

- American Sign Language Studies, Minor (307) (p. 347)

Certificate

- Deaf Studies, Certificate (1738) (p. 349)

Faculty

Associate Professor

Lauren E. Bland PhD (Communication Disorders), University of Cincinnati Main Campus, 1995

Barbara R. Brindle PhD (Education, Speech Pathology and Audiology), University of Virginia, 1994

Kimberly J. Green EdD (Educational Leadership, Postsecondary Leadership), Western Kentucky University, 2015

Brian K. Weiler PhD (Hearing and Speech Sciences), Vanderbilt University, 2016

Assistant Professor

Jenny M. Burton PhD (Communication Disorders and Sciences), University of Cincinnati Main Campus, 2019

Ashley C. Fox PhD (Educational Leadership and Organizational Development), University of Louisville, 2010

Courtney A. Hatcher PhD (Rehabilitation Sciences), University of Kentucky, 2017

Clinical Assistant Professor

Brittney R. Vickous MS (Communication Disorders), Western Kentucky University, 2011

Clinical Associate Professor

Jeffrey A. Barefoot AUD (Audiology), A T Still University of Health Sciences, 2013

Leisa S. Hutchison MSED (Special Education, Speech and Communication Disorders), University of Kentucky, 1986

Leigh Anne Roden EdD (Educational Leadership, P-12 Leadership), Western Kentucky University, 2011

Instructor I

Holly B. Bryant MAE (Counseling), Western Kentucky University, 2015

Instructor II

Janice C. Smith PhD (Rehabilitation Sciences), University of Kentucky, 2015

American Sign Language Studies, Minor (307)

Program Requirements (21 hours)

The minor in American Sign Language Studies requires a minimum of 21 hours. Students will learn communication competency in a visual language and gain a better understanding of the Deaf and Hard of Hearing culture. This minor builds a solid foundation of ASL language and skills but does not lead to interpreter or Deaf Education certification.

Code	Title	Hours
Required Courses		
ASL 101	American Sign Language I	3
ASL 102	American Sign Language II	3
ASL 201	American Sign Language III	3
ASL 301	American Sign Language IV	3
ASL 401	Fingerspelling	3
ASL 403	Deaf Culture and History	3
Elective		
Select one of the following:		3
ASL 306	American Sign Language Classifiers	
ASL 309	ASL Specialized Vocabulary	
ASL 402	ASL Professional Ethics and Issues	
Total Hours		21

Communication Disorders, Bachelor of Science (595P, 595)

Program Coordinator

Leigh Anne Roden, leighanne.roden@wku.edu, (270) 745-4683

The B.S. (Bachelor of Science) education program in Communication Disorders at Western Kentucky University prepares students academically for graduate study in speech-language pathology, audiology, or related areas. A master's degree is required for national certification in speech-language pathology and a clinical doctorate is required for national certification in audiology. Licensure is also necessary in Kentucky but other states have various mandates for practicing

professionals. All coursework follows guidelines recommended by the American Speech-Language-Hearing Association.

CAREER OPPORTUNITIES IN COMMUNICATION DISORDERS

Speech-Language Pathology career opportunities are expected to grow faster than average through the end of calendar year 2022. This is due to several factors including an aging baby boomer population with increased possibilities of oncoming neurological disorders with accompanying speech, language, swallowing, and hearing impairments. Employment opportunities are also increasing due to improving survival rates of premature infants and trauma and stroke patients in need of assessment and intervention. Additionally, federal legislation guarantees services to all children with disabilities. Private practice opportunities will also increase due to the increase in contracted services with schools, nursing care/rehabilitation facilities and hospitals.

Program Requirements (58 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major for students in Communication Disorders (reference number 595P prior to being accepted to the program and reference number 595 after being officially accepted to the undergraduate program) is a pre-professional program that requires 58 hours in the specialization areas of speech-language pathology and audiology. All courses follow guidelines recommended by the American Speech-Language-Hearing Association (ASHA). Prior to selecting Colonnade courses, you must obtain approval from your Communication Sciences and Disorders Department academic advisor to ensure selected courses meet requirements set forth by ASHA.

The undergraduate program prepares students academically for graduate study in speech-language pathology, audiology, or related areas. A master's degree is needed for national certification in speech-language pathology and an audiology doctorate is needed for audiology. Majors in Communication Disorders are encouraged to apply for graduate programs by December of their senior year, including to the Western Kentucky University Master of Science program in Speech-Language Pathology. Licensure is also necessary in Kentucky but other states have various mandates for practicing professions following the Master of Science program.

Those interested in a Major in Communication Disorders should have sophomore status, be officially admitted to WKU, and submit:

1. Most recent transcript (including the Fall semester grades) documenting a minimum cumulative GPA of 3.0; and
2. A completed application, (including the Essential Functions and Technical Standards documentation) for official admission to the program (found on departmental website); and
3. CD 280, CD 290, and CD 347 are prerequisite courses for admission to CD 595 major.

Applications for admission into the undergraduate major are accepted until February 15. Students admitted during March of any given year will begin major coursework during the fall semester following admission. Due to the clinical practicum component of this major, enrollment to the undergraduate program is limited.

Additional required courses may be used to fulfill both Colonnade and Communication Disorders program requirements.

Code	Title	Hours
Specialization Areas		
CD 280	Introduction to Communication Sciences and Disorders	3
CD 290	Guided Clinical Observations	1
CD 347	Science of Speech and Hearing	3
CD 348	Introduction to Clinical Research and Writing in Communication Sciences and Disorders	3
CD 405	Applied Phonetics	3
CD 478	Clinical Issues and Treatment in Speech Language Pathology	3
CD 481	Speech and Language Development	3
CD 482	Audiology	3
CD 483	Introduction to Disorders of Articulation and Phonology	3
CD 484	Speech Anatomy and Physiology	3
CD 485	Introduction to Assessment in Communication Disorders	3
CD 486	Language Disorders	3
CD 487	Aural Rehabilitation	3
CD 488	Augmentative Communication Systems	3
CD 489	Communication Disorders in Aging	3
CD 490	Connecting with Nonverbal Communicators	3
CD 491	Management of Communication Disorders in the School	3
CD 492	Neuroanatomy in Communication Sciences and Disorders	3
Internship		
Students must complete 6 hours of internship		
CD 495	Clinical Internship	6
Total Hours		58

Additional Required Courses

Code	Title	Hours
Statistics		
Select one of the following:		3
MATH 183	Introductory Statistics	
PH 383	Biostatistics in the Health Sciences	
SOCL 300	Using Statistics in Sociology	
Other advisor approved course		
Chemistry or Physics		3-4
PHYS 130	Acoustics of Music and Speech (or any CHEM course)	
Psychology or Psychological Science		3

PSY 100	Introduction to Psychology (or any PSYS course)	
Biology		
BIOL 131	Human Anatomy and Physiology	4
ENG 300	Writing in the Disciplines	3
Total Hours		16-17

All undergraduate students are required to complete supervised clinical clock hours working with people having communication disorders. Students will be required to undergo criminal background checks and provide proof of a recent physical examination, professional liability insurance, and a tuberculin skin test prior to beginning any clinical experiences, which must be updated annually. It is the responsibility of the student to ensure that all university requirements are met to participate in clinical experiences. Students may be responsible in part or in full for any costs incurred to meet such requirements.

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
COMM 145 (F-OC)		3 ENG 100 (F-W1)	3
PSY 100 or PSYS 100 (F-SB) ¹		3 HIST 101 or HIST 102 (E-SB)	3
MATH 183 (F-QR) ¹		3 CD 280 ²	3
Arts and Humanities (E-AH)		3 CD 290 ²	1
BIOL 131 (E-NS, SL) ¹		4 CD 347 ²	3
		Minor/General Elective or World Language (if needed)	3
	16		16
Second Year			
Fall	Hours	Spring	Hours
ENG 200 (F-AH)		3 ENG 300 (F-W2) ¹	3
CHEM ### * (any Chemistry course) or PHYS 130		3 Connections: Social & Cultural (K-SC)	3
Minor/General Elective		3 Connections: Local to Global (K-LG)	3
Minor/General Elective		3 Connections: Systems (K-SY)	3
Minor/General Elective		3 Minor/General Elective	3
	15		15
Third Year			
Fall	Hours	Spring	Hours
CD 405		3 CD 483	3
CD 481		3 CD 485	3
CD 482		3 CD 486	3
CD 484		3 CD 487	3
CD 348		3 CD 478	3
	15		15
Fourth Year			
Fall	Hours	Spring	Hours
CD 490		3 CD 488	3
CD 491		3 CD 489	3
CD 492		3 CD 495	3
CD 495		3 Minor/General Elective	3
Minor/General Elective		3 Minor/General Elective	1
	15		13
Total Hours	120		

- ¹ These courses are required as part of the curriculum requirements for the major.
- ² Prerequisite courses before program admission.

Colonnade: For more details and courses offered in the Colonnade General Education program visit the website (<https://www.wku.edu/colonnade/>).

World Language Requirement: Language Proficiency of novice-high before completing 60 credit hours is required (or completion of 2nd level of a language). Two credits (or equivalent) of a single world language in High School satisfies this WKU requirement.

Deaf Studies, Certificate (1738)

Program Coordinator

Ashley C. Fox, ashley.fox@wku.edu, (270) 745-8962

This will broaden student knowledge of Deaf and Hard of Hearing individuals, with an emphasis on Deaf Culture. The Deaf Studies Certificate will not qualify students to become licensed interpreters.

Program Requirements (15 Hours)

A minimum of 15 semester hours, with a grade of "C" or better must be obtained to successfully complete the certificate.

Code	Title	Hours
Required Core Courses:		
ASL 101	American Sign Language I	3
ASL 102	American Sign Language II	3
ASL 302	Deaf Culture in America	3
ASL 303	International Deaf Studies	3
Elective Courses:		
Select one of the following courses:		
ASL 403	Deaf Culture and History	3
ASL 406	ASL Special Topics	3
Total Hours		15

Department of Physical Therapy

Dr. Beth Norris, Department Chair

Health Science Complex, Office 3047

Phone: (270) 745-4071; Fax: (270) 745-3497

Website: <http://www.wku.edu/physicaltherapy> (<http://www.wku.edu/physicaltherapy/>)

The Department of Physical Therapy offers graduate courses designed to prepare entry-level Doctor of Physical Therapy professionals. For additional information, see <http://www.wku.edu/graduate> (<http://www.wku.edu/graduate/>), or the departmental website <http://www.wku.edu/physicaltherapy> (<http://www.wku.edu/physicaltherapy/>).

Faculty

Associate Professor

Karen E. Furgal DPT (Physical Therapy), SUNY at Stony Brook, 2008

Penny L. Head PhD (Orthopedic & Sports Science), Rocky Mtn University of Health Profe, 2019

Kurt R. Neelly PhD (Education), University of Kansas Medical Center, 2002

Elizabeth S. Norris PhD (Health Sciences), Seton Hall University, 2003

Sonia N. Young EdD (Educational Leadership), University of the
Cumberlands, 2013

Assistant Professor

David L. Bell DPT (Physical Therapy), University of Kentucky, 2012

Matthew P. Condo DPT (Physical Therapy), University of St Augustine Hlth
Sci, 2015

Melissa A. Tolbert DPT (Physical Therapy), University of Evansville, 2012

Clinical Assistant Professor

Anthony R. Mancini DPT (Physical Therapy), The University of Tenn
Health Scienc, 2014

Department of Public Health

Dr. William Mkanta, Chair

Academic Complex, Office 133

Phone: (270) 745-4797, Fax: (270) 745-4437

Email: public.health@wku.edu

Website: <http://www.wku.edu/publichealth> (<http://www.wku.edu/publichealth/>)

The Department of Public Health offers academic programs which prepare students for a wide variety of health careers. An important responsibility is to carry out applied research and other scholarly activities which provide opportunities for student engagement, maintain the academic strength of the faculty, expand knowledge in various fields, and improve health in the communities served. The department also conducts service with multiple agencies, institutions, and organizations in the Commonwealth of Kentucky and across the nation. In addition, the department provides a service to the University's Colonnade program through instruction to improve the knowledge, attitudes, and behaviors of students related to Colonnade goals.

Students may pursue one of several major or minor programs.

Specialized programs prepare individuals for careers in public health, health care administration, environmental health and safety, occupational safety and health, health information management, health science, and related areas.

All majors and minors are expected to work closely with their academic advisors in planning their courses of study. Special interests and abilities will be considered in planning the individual course of study. More information about the department is available at: <http://www.wku.edu/publichealth> (<http://www.wku.edu/publichealth/>).

Departmental Academic Regulations

Students who have completed a minimum of 30 semester hours, including the courses required for seeking admission status, with an overall GPA of 2.3 (an overall GPA of 2.5 for Health Care Administration majors), qualify for admission into a program in the Department of Public Health.

Students whose grade point average falls below 2.3 for two successive semesters will be dropped from the program. Students who receive a grade below a "C" in two or more courses required in a major or minor will be dropped from the program. A student may be reinstated in the program when the overall grade point average is elevated to at least 2.3 and all courses in which a grade of less than "C" has been earned have been repeated and a grade of "C" or better was earned. Students must have an overall grade point average of at least 2.5 before enrolling in the internship. Grades below "C" in major or minor courses will not be counted toward meeting graduation requirements.

Academic regulations for Health Information Management and Health Sciences majors are described subsequently with the full descriptions of the programs.

Internships/Off-Campus Experiences

Students may be required to undergo criminal background checks and drug testing, and to provide proof of health insurance, liability insurance, and/or immunization records prior to participating in any required experiences at selected off-campus facilities/agencies. Additionally, there may be certifications, training seminars, or other requirements specified by the facility/agency that a student must meet in order to be eligible for field or practical experiences at the facility. It is the responsibility of the student to ensure that all institutional and/or facility requirements are met as a condition of participating in the off-campus experiences; students may be responsible in part or in full for any costs incurred to meet such requirements. Students are also responsible for transportation to and from off-campus experiences.

Degrees

- Environmental and Occupational Health Science, Bachelor of Science (548P, 548) (p. 351)
- Health Care Administration, Bachelor of Science (559P, 559) (p. 352)
- Health Information Management, Bachelor of Science (529P, 529) (p. 355)
- Health Sciences, Bachelor of Science (564) (p. 357)
- Public Health, Bachelor of Science (521P, 521) (p. 361)

Minor

- Health Care Administration, Minor (386) (p. 354)

Certificates

- Environmental Health, Certificate (1743) (p. 352)
- Health Education and Promotion, Certificate (1741) (p. 354)
- Health Informatics, Certificate (1740) (p. 355)
- Long-Term Care Administration, Certificate (1717) (p. 361)
- Occupational Safety & Health, Certificate (1705) (p. 361)
- Public Health, Certificate (1742) (p. 363)
- Worksite Health Promotion, Certificate (1707) (p. 363)

Faculty

Professor

Tania B. Basta PhD (Health Promotion and Behavior), University of Georgia, 2006

Grace K. Lartey PhD (Health Education), University of Toledo, 2006

William N. Mkanta PhD (Health Services Research), University of Florida, 2005

Ritchie D. Taylor PhD (Environmental Science), University of North Texas, 2002

Associate Professor

Xiuhua Ding PhD (Epidemiology and Biostatistics), University of Kentucky, 2016

Gregory E. Ellis-Griffith PhD (Administration/Health Services), University of Alabama at Birmingham, 2010

Marilyn M. Gardner PhD (Health Ed Promotion), The University of Alabama, 1999

Gretchen M. Macy EdD (Kinesiology and Health Promotion), University of Kentucky, 2012

Michelle C. Reece PhD (Public Health), East Tennessee State University, 2014

Assistant Professor

Kristen L. Brewer PhD (Education (Health Education)), Southern Illinois University Carbondale, 2021

Susan S. Eagle PhD (Anthropology), Tulane University, 2005

Edrisa Sanyang PhD (Occupational & Environmental Health (Industrial Hygiene)), University of Iowa, 2016

Pedagogical Associate Professor

Janice R. Hunt-Shepherd MHA (Health Administration), Western Kentucky University, 2005

Instructor I

Jacqueline R. Basham MPH (Public Health, Environmental Health), Western Kentucky University, 2015

Pamela A. Chandler MED (Education), Indiana Wesleyan University, 2008

Melanie D. Eaton MBA, Western Kentucky University, 2003

Nadia F. Houchens MHA, Western Kentucky University, 2017

Jae J. Kim MS (Health), Western Kentucky University, 1987

Angel N. Parker MPH (Public Health), Western Kentucky University, 2020

Roberta D. Pope MS, University of Illinois at Chicago, 2012

Environmental and Occupational Health Science, Bachelor of Science (548P, 548)

Program Coordinator

Jacqueline R. Basham, jacqueline.basham@wku.edu, (270) 745-3981

The undergraduate degree program in environmental and occupational health science prepares the graduating student for entry level careers of environmental compliance and protection, occupational safety and health, environmental health and safety, and environmental science. Numerous jobs are available with government agencies, environmental consulting firms, industries, local governments, and non-profit organizations. Courses in the program are focused on basic sciences, environmental science, occupational safety and health, and environmental health. Requirements of the program develop the application of basic scientific principles to the solution of environmental and occupational problems that prepare students for diverse career opportunities.

Program Requirements (70 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Required Courses

Code	Title	Hours
ENV 120	Introduction to Occupational Safety and Health	3

ENV 221	Safety and Health Standards, Codes, and Regulations	3
ENV 280	Introduction to Environmental Science	3
ENV 321	Fundamentals of Industrial Hygiene	3
ENV 323	Fundamentals of Industrial Hygiene Laboratory	1
ENV 360	Air Pollution Control	3
ENV 365	Air Pollution Control Laboratory	1
ENV 380	Principles of Environmental Toxicology	3
ENV 410	Water Treatment Processes	3
ENV 411	Water Treatment Processes Laboratory	1
ENV 423	Safety Program Management	3
ENV 460	Environmental Management	3
ENV 474	Environmental Risk Assessment	3
ENV 480	Hazardous and Solid Waste Management	3
ENV 486	Senior Environmental Health Seminar	1
ENV 491	Internship in Environmental, Health, and Safety	3
PH 383	Biostatistics in the Health Sciences	3
PH 384	Introduction to Epidemiology	3
PH 385	Environmental Health	3
CHEM 107	Fundamentals of Organic Chemistry	3
CHEM 108	Fundamentals of Organic Chemistry Laboratory	1
BIOL 207	General Microbiology	3
BIOL 208	General Microbiology Laboratory	1
PHYS 231	Introduction to Physics and Biophysics I	3
PHYS 232	Laboratory for Physics and Biophysics I	1
Select nine hours of advisor consent electives from the following list:		9
ENV 322	Physical Hazards Recognition and Control I	
ENV 375	Introduction to Water Resources	
ENV 475	Selected Topics in Env	
ENV 485	Educational Experiences in Occupational Safety and Health	
ENV 495	Environmental Measurement	
PH 402	Worksite Health Promotion	
PH 456	Independent Study in Health and Safety	
SEAS 310	Safety in Industry	
Total Hours		70

Additional Courses

Code	Title	Hours
COMM 145	Fundamentals of Public Speaking and Communication	3
ECON 202	Principles of Economics (Micro)	3

BIOL 120 & BIOL 121	Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab	4
CHEM 105	Fundamentals of General Chemistry	3
CHEM 106	Fundamentals of General Chemistry Laboratory	1
CHEM 116	Introduction to College Chemistry	3
MATH 116	College Algebra	3
MATH 117	Trigonometry	3
GEOL 111	The Earth	3
Total Hours		26

Some of these required courses also fulfill the Colonnade subject area requirements.

All courses listed above require a minimum grade of "C."

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
COMM 145		3 ENG 100	3
MATH 116		3 HIST 101 or HIST 102	3
ENV 280		3 ENV 120	3
CHEM 116		3 CHEM 105 & CHEM 106	4
GEOL 111		3 ECON 202	3
		15	16
Second Year			
Fall	Hours	Spring	Hours
ENG 200		3 Colonnade - Connections (Local to Global)	3
Colonnade - Connections (Systems)		3 World Language (if needed)	3
Colonnade - Arts & Humanities		3 BIOL 207 & BIOL 208	4
MATH 117		3 Colonnade - Connections (Social & Cultural)	3
BIOL 120 & BIOL 121		4 CHEM 107 & CHEM 108	4
		16	14
Third Year			
Fall	Hours	Spring	Hours
PHYS 231 & PHYS 232		4 ENV Major Elective	3
ENG 300		3 ENV 321 & ENV 323	4
ENV 221		3 ENV 380	3
PH 383		3 PH 384	3
PH 385		3 ENV 322	3
		16	16
Fourth Year			
Fall	Hours	Spring	Hours
ENV 410 & ENV 411		4 ENV 474	3
ENV 423		3 ENV 360 & ENV 365	4
ENV 460		3 ENV 491	3
ENV 480		3 ENV Major Elective	3

ENV 486	1
13	14
Total Hours 120	

Environmental Health, Certificate (1743)

Program Coordinator

Grace K. Lartey, grace.lartey@wku.edu, (270) 745-3941

This 21 credit hour certificate program will equip graduates with public health protection skills for program design, implementation and the evaluation of policies and practices to assist in preventing or deducting environmental hazards on individuals and communities.

Program Requirements (21 hours)

Code	Title	Hours
Required Courses:		
PH 280	Introduction to Environmental Science	3
or ENV 280	Introduction to Environmental Science	
PH 385	Environmental Health	3
ENV 360	Air Pollution Control	3
ENV 380	Principles of Environmental Toxicology	3
ENV 410	Water Treatment Processes	3
ENV 460	Environmental Management	3
ENV 480	Hazardous and Solid Waste Management	3
Total Hours		21

Some required courses may have pre-requisites that help fulfill Colonnade requirements. These prerequisites include CHEM 105/CHEM 106, CHEM 107/CHEM 108 and MATH 118 or higher.

Health Care Administration, Bachelor of Science (559P, 559)

Program Coordinator

Michelle C. Reece, michelle.reece@wku.edu, (270) 745-4741

The Health Care Administration program has full membership in the Association of University Programs in Health Administration (AUPHA).

The undergraduate degree program in health care administration prepares the student for administrative positions in various types of health care facilities and agencies, such as acute care, long term care, group medical practices, managed care organizations, health insurance agencies, public health agencies, clinics, and health related organizations such as manufacturing, marketing and consulting.

Program Requirements (73 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/>

colonnade/colonnaderequirements.php. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
Required Courses		
HCA 120	Health Literacy for Consumers	3
Select one of the following:		3
HCA 247	Contemporary Healthcare Issues	
PH 447	Human Values and the Health Sciences	
PHIL 322	Biomedical Ethics	
PHIL 323	Social Ethics	
MGT 305	Ethics and Critical Thinking	
SWRK 433	Ethical Issues and Dilemmas in Social Work	
HCA 340	Health Care Organization and Management	3
HCA 342	Human Resources Management for Healthcare Managers	3
HCA 343 or HCA 353	Quality Management for Healthcare Quality and Patient Safety in Long-Term Care	3
HCA 344	Health Systems Management	3
HCA 345	Long-Term Care Administration	3
HCA 346 or HCA 355	Ambulatory Care Administration Nursing Facility Administration	3
HCA 347 or PH 410	International Comparisons of Health Care Systems Global Perspectives on Population Health	3
ACCT 220 or HIM 252	Principles of Financial Accounting Healthcare Payment Systems	3
HCA 383	Management Applications in Healthcare	1
HCA 440	Health Economics (or any 300 level or higher economics course)	3
Select one of the following:		3
HCA 441	Legal Aspects / Health Care	
MGT 200	Legal Environment of Business	
MGT 301	Business Law	
HIM 225	Legal Issues in Health Information Management	
HCA 442	Principles and Methods of Health Planning	3
HCA 445	Health Care Finance	3
HCA 446	Health Care Informatics	3
HCA 447	Information Systems Laboratory	1
HCA 448	Health Care Analysis and Evaluation	3
HCA 449	Internship in Health Care Administration	3
FIN 330 or HCA 401	Principles of Finance Fundamentals of Health Care Financial Management	3
Select one of the following:		3
PH 383	Biostatistics in the Health Sciences	
MATH 183	Introductory Statistics	
SOCL 300	Using Statistics in Sociology	

AH/HIM 290	Medical Terminology	2
Select two 3-hour HCA electives with permission of advisor		6
Total Hours		67

Additional Courses

In addition to meeting the Colonnade requirements, students pursuing the health care administration curriculum must take the following:

Code	Title	Hours
ECON 202 or ECON 203	Principles of Economics (Micro) Principles of Economics (Macro)	3
Select one of the following:		3-6
BIOL 131	Human Anatomy and Physiology	
PH 100 & PH 381	Personal Health and Public and Community Health	
PH 384	Introduction to Epidemiology	
Total Hours		6-9

Some of these required courses fulfill Colonnade subject area requirements. Requirements for admission (reference number 559): 30 hours including the above courses with overall GPA of 2.5 or better. (ECON 202 or ECON 203 and one of the following options BIOL 131; PH 100 & PH 381; or PH 384).

All courses listed above require a minimum grade of "C" (both prerequisites and core courses).

Students will not be allowed to enroll in 400-level HCA classes until they are fully admitted into the HCA program.

Requirements for degree completion: 67 hours of program courses with an overall GPA of 2.5 or better.

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 HIST 101 or HIST 102	3
Colonnade - Arts & Humanities		3 ENG 200	3
Colonnade - Quantitative Reasoning		3 COMM 145	3
Colonnade - Natural & Physical Science (Not Biology)		3 BIOL 131 or PH 100	3-4
HCA 120		3 PH 383, MATH 183, or SOCL 300	3
15		15-16	
Second Year			
Fall	Hours	Spring	Hours
ECON 202 or ECON 203		3 AH 290 or HIM 290	2
ENG 300		3 ACCT 220 or HIM 252	3
PH 381 or PH 384 (only if PH 100 is taken)		3 World Language or General Elective	3

Code	Title	Hours
BIOL 131	Human Anatomy and Physiology	4
SFTY 171	Safety and First Aid	1
PH 261	Foundations of Public Health Education	3
PH 365	Human Sexuality	3
PH 381	Public and Community Health	3
PH 461	Comprehensive School Health Program	3
PH 467	Drug Abuse Education	3
Select one of the following (with approval of the academic advisor):		3
PH 385	Environmental Health	
PH 456	Independent Study in Health and Safety	
PH 463	Consumer Health	
PH 465	Health and Safety in the Elementary School	
HMD 211	Human Nutrition	
Total Hours		23

Students utilizing the minor in health education for teacher certification must complete SEC 483, Teaching Health, as a required support course. All courses in the minor must be completed with a minimum grade of "C."

Health Informatics, Certificate (1740)

Program Coordinator

Janice R. Hunt-Shepherd, jan.hunt-shepherd@wku.edu, (270) 745-3548

The certificate in Health Informatics is multidisciplinary and is designed to prepare health profession students with the introductory skills and knowledge needed for electronic health records usability, interoperability and data exchange, meeting meaningful use initiatives, improving clinical workflow, and analyzing data to improve overall health care delivery and outcomes through the use of health information technology.

Courses for the certificate may also meet the requirements for other degree programs.

Program Requirements (19-22 hours)

Code	Title	Hours
CSCI 145C or CIS 141	Introduction to Computing Analytics and Technology	3
CS 157	Information Security I	3
BDAN 305	Principles of MIS with Spreadsheets	3
BDAN 330 or CIT 350	Structured Data Analysis Database Administration I	3
HIM 330	Electronic Health Record Systems	3
HIM 430	Health Data Management and Analytics	3
Select 1-4 hours of the following: ¹		1-4
HIM 100	Health Data Content and Structure	
DH 100	Introduction to Dental Hygiene	
SWRK 205	Introduction to Social Work	
CD 280	Introduction to Communication Sciences and Disorders	

HCA 340	Health Care Organization and Management
Other health care introductory class as approved by Health Informatics Certificate Advisor	
Total Hours	19-22

¹ Must be completed prior to HIM 330.

Health Information Management, Bachelor of Science (529P, 529)

Program Coordinator

Janice R. Hunt-Shepherd, jan.hunt-shepherd@wku.edu, (270) 745-3548

The Health Information Management bachelor degree program is accredited by Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM)*. Graduates of the program are eligible to take the American Health Information Management Association's (AHIMA)** certification examination for the designation of Registered Health Information Administrator (RHIA).

The major in health information management is designed to prepare the graduate HIM professional with skills and competencies in health data management, data analytics and informatics, information governance, privacy and security, compliance, clinical documentation improvement, revenue cycle management, medical coding, health information technology management and administrative and clinical work flow. Students will focus on operations management essential to ensuring an accurate and complete medical record and cost effective information processing.

Enrollment in the program is limited. A students' application to the baccalaureate degree program will be considered following successful completion of the introductory course, HIM 100: Health Data Content and Structure or following successful completion of an associate degree in HIM from a Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM*) accredited program or successful completion of the HIM 100 departmental examination.

Students are required to have professional liability insurance coverage prior to accessing health information and / or professional practice experience. In addition, students are required to submit a criminal background check, current immunization records and results of a current drug screen as part of the application process. Prior to participating in any professional practice experience (PPE) at selected health care institutions, there may be additional certifications, training seminars, or their requirements by the health care institution that a student must meet in order to be eligible for training at the chosen facility. It is the responsibility of the student to ensure that all institutional requirements are met prior to participation in the PPE. Students may be responsible in part of in full for any costs incurred to meet such requirements. Policies, standards and requirements should be obtained directly from the program office or at <http://www.wku.edu/healthinformationmanagement> (<http://www.wku.edu/healthinformationmanagement/>).

Program Requirements (79-82 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

This program requires a minimum of 120 hours and includes 79-82 hours for the HIM major; Colonnade courses must be completed in consultation with advisor HIM courses completed with a grade of "C" or higher for transfer students and graduates from CAHIIM Accredited programs will be accepted as substitutions for equivalent HIM courses. Transfer students and graduates from HIM programs in non-CAHIIM Accredited programs may provide evidence of mastery of course content through satisfactory completion of departmental examinations. Departmental examinations are available for the following courses: HIM 100, HIM 230, HIM 250, HIM 251, HIM 252, AH 290/HIM 290, HIM 291, and HIM 292.

Students not achieving a satisfactory score (70% or above) on the department examination(s) must complete the corresponding course(s). National specialty certifications and / or training may be considered as evidence of mastery of course content in specific courses.

Code	Title	Hours
HIM 100	Health Data Content and Structure	4
HIM 225	Legal Issues in Health Information Management	2
HIM 230	Computer Systems and Applications in Health Information Management	3
HIM 250	International Classification of Diseases (ICD) Coding	4
HIM 251	Healthcare Common Procedure Coding System / Current Procedural Terminology (HCPCS / CPT) Coding	4
HIM 252	Healthcare Payment Systems	3
AH/HIM 290	Medical Terminology	2
HIM 291	Advanced Medical Terminology	2
HIM 292	Pharmacology and Laboratory Diagnostics	2
HIM 330	Electronic Health Record Systems	3
HIM 350	Health Informatics Research	3
HIM 351	International Classification of Diseases (ICD-10) Coding	1
HIM 421	Health Information Leadership and Management	3
HIM 422	Clinical Evaluation and Outcomes	3
HIM 430	Health Data Management and Analytics	3
HIM 450	Application & Analysis of Him Theory	3
HIM 495	Capstone Professional Practice Experience	3-6
HCA 340	Health Care Organization and Management	3
PH 383	Biostatistics in the Health Sciences	3
CSCI 145C or CIS 141	Introduction to Computing Analytics and Technology	3
BDAN 305 or CS 157	Principles of MIS with Spreadsheets Information Security I	3

CIT 350 or BDAN 330	Database Administration I Structured Data Analysis	3
BIOL 131	Human Anatomy and Physiology	4
Select 12 credit hours of the following:		12
CIT 310	Systems Architecture I	
CIT 330	Systems Development I	
CIT 332	Systems Development II	
CIT 492	Technology Management I	
BDAN 310	Business Data Analytics	
BDAN 410	DSS Analysis and Design	
BDAN 420	Predictive Modeling	
BDAN 430	Data Visualization	

Total Hours **79-82**

BIOL 131 must be completed prior to full admission to the program. A student who makes below "C" in any Health Information Management core course is required to repeat the course.

*CAHIIM

233 North Michigan Avenue, 21st Floor

Chicago, IL 60601-5800

info@CAHIIM.org

<https://www.cahiim.org> (<https://www.cahiim.org>)

**AHIMA

233 North Michigan Avenue, Suite 2150

Chicago, IL 60601-5800

(312) 233-1100

<https://www.ahima.org> (<https://www.ahima.org>)

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 COMM 145	3
MATH 109 or MATH 116		3 ENG 200	3
HIM 100		4 HIST 101 or HIST 102	3
HIM 290 or AH 290		2 HIM 291	2
CIS 141 or CSCI 145C		3 HIM 292	2
		BIOL 131	4
		15	17
Second Year			
Fall	Hours	Spring	Hours
HIM 225		2 HIM 230	3
HIM 251		4 HIM 250	4
BDAN 305 or CS 157		3 HIM 252	3
Major/Minor/Elective or World Language (if needed)		3 HCA 340	3
PH 383		3 CIT 310 or BDAN 310	3
		15	16
Third Year			
Fall	Hours	Spring	Hours
Colonnade - Social & Behavioral Sciences		3 HIM 421	3
HIM 330		3 HIM 422	3
HIM 350		3 CIT 332 or BDAN 430	3
CIT 330 or BDAN 420		3 Colonnade - Natural & Physical Science	3
CIT 350 or BDAN 330		3 ENG 300	3
		15	15

Fourth Year			
Fall	Hours	Spring	Hours
HIM 351		1 HIM 495	3-6
HIM 430		3 Connections - Local to Global	3
HIM 450		3 Connections - Systems	3
CIT 492 or BDAN 410		3 Minor/General Elective	2
Colonnade - Arts & Humanities		3	
Connections - Social & Cultural		3	
		16	11-14
Total Hours 120-123			

Health Sciences, Bachelor of Science (564)

Program Coordinator

Grace K. Lartey, grace.lartey@wku.edu, (270) 745-3941

The major in Health Sciences, requires 58-68 health sciences credit hours, including a required concentration ranging from 21-27 hours. The Bachelor of Science in Health Sciences is designed for students who are interested in pursuing a health and human services related career. The program is an interdisciplinary program with three primary purposes:

1. Allowing students with a general interest in Health Sciences to pursue a B.S. while obtaining a concentration in a specific area of Health and Human Services.
2. Permitting students to prepare for post-graduate or professional health sciences programs.
3. Providing an option for students with a health-related associate degree or appropriate Military Occupational Specialty (MOS) in a focused health area who wish to continue their education.

Concentrations

- Health Sciences Allied Health (AHAH)
- Preparatory Health Science (APHS)
- Health Services, Leadership & Management (ASLM)

Students pursuing the major are required to select one of the following concentrations: Preparatory Health Sciences, Health Services Leadership and Management, or Health Sciences Allied Health building on an Associate Degree or appropriate Military Occupational Specialty (MOS) in a focused health field (approved by the health science advisor). Students who transfer to WKU with an applied associate degree (e.g., Associate of Applied Science) from a health-related program and students with an appropriate MOS with American Council of Education (ACE) approved military credit receive a 12-hour waiver from the overall upper-level course requirement for the health science major; these students will need 23 hours in the major upper-division hour requirement.

Students must earn a "C" or better in each course in the major. Additionally, in accordance with university policy, an overall grade point average of 2.0 or better must be attained upon completion of required curriculum.

Program Requirements (58-68 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/

[registrar/degree_certification.php](http://www.wku.edu/registrar/degree_certification.php). (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Health Sciences Core

Code	Title	Hours
HMD 211	Human Nutrition	3
PSY/PSYS 100 or PSY/PSYS 220 or PSY/PSYS 440	Introduction to Psychology Introduction to Lifespan Developmental Psychology Abnormal Psychology	3
Select one of the following:		3-4
BIOL 113	General Biology	
BIOL 120 & BIOL 121	Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab	
BIOL 131	Human Anatomy and Physiology	
Select one of the following:		3-4
CHEM 105 & CHEM 106	Fundamentals of General Chemistry and Fundamentals of General Chemistry Laboratory	
CHEM 109	Chemistry for the Health Sciences	
CHEM 116	Introduction to College Chemistry	
PHYS course		
AH/HIM 290	Medical Terminology	2
Select one of the following:		3
PE 310	Kinesiology	
PE 311	Exercise Physiology	
PE 313	Motor Development	
PH 390	Wellness and Fitness Assessment	
NURS 335	Health Assessment	
MKT 220	Basic Marketing Concepts	
MKT 321	Consumer Behavior	
MKT 323	Services Marketing	
PR 255	Fundamentals of Public Relations	
PH 381	Public and Community Health	3
Select one of the following:		3
PH 383	Biostatistics in the Health Sciences	
SOCL 300	Using Statistics in Sociology	
BIOL 382	Introductory Biostatistics	
STAT 301	Introductory Probability and Applied Statistics	
PSY/PSYS 313	Statistics in Psychology	
MATH 183	Introductory Statistics	
PH 384	Introduction to Epidemiology	3
Select one of the following:		3
PH 447	Human Values and the Health Sciences	
FACS 312	Professional Ethics for Family Life	
PHIL 322	Biomedical Ethics	

PHIL 323	Social Ethics	
MGT 305	Ethics and Critical Thinking	
SWRK 433	Ethical Issues and Dilemmas in Social Work	
LEAD 330	Leadership Ethics and Decision-Making	
HCA 340	Health Care Organization and Management	3
Select one of the following:		3-4
HCA 446 & HCA 447	Health Care Informatics and Information Systems Laboratory	
BDAN 305	Principles of MIS with Spreadsheets	
CIS 321	Emerging Information Technologies	
HIM 330	Electronic Health Record Systems	
Select one of the following:		2-3
HCA 441	Legal Aspects / Health Care	
HIM 225	Legal Issues in Health Information Management	
MGT 200	Legal Environment of Business	
MGT 301	Business Law	
Total Hours		37-41

One of the below-mentioned concentrations is required:

Preparatory Health Sciences Concentration

Code	Title	Hours
Select 24-27 hours of the following courses:		
Biology:		
BIOL 120 & BIOL 121	Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab ¹	
BIOL 122 & BIOL 123	Biological Concepts: Evolution, Diversity, and Ecology and Biological Concepts: Evolution, Diversity, and Ecology Lab	
BIOL 131	Human Anatomy and Physiology ¹	
BIOL 207 & BIOL 208	General Microbiology and General Microbiology Laboratory	
BIOL 224 & BIOL 225	Animal Biology and Diversity and Animal Biology and Diversity Lab ¹	
BIOL 231	Advanced Human Anatomy and Physiology	
Chemistry:		
CHEM 107 & CHEM 108	Fundamentals of Organic Chemistry and Fundamentals of Organic Chemistry Laboratory	
CHEM 116	Introduction to College Chemistry ¹	
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	
CHEM 222 & CHEM 223	College Chemistry II and College Chemistry II Laboratory	

CHEM 304	Biochemistry for the Health Sciences	
CHEM 340 & CHEM 341	Organic Chemistry I and Organic Chemistry Laboratory I	
CHEM 342 & CHEM 343	Organic Chemistry II and Organic Chemistry II Laboratory	
Health Information Management:		
HIM 291	Advanced Medical Terminology	
HIM 292	Pharmacology and Laboratory Diagnostics	
Hospitality Management and Dietetics:		
HMD 360	Advanced Nutrition	
HMD 361	Life Stage Nutrition	
Math:		
MATH 117	Trigonometry	
MATH 136	Calculus I	
Nursing:		
NURS 324	Pathophysiology for Nursing	
NURS 337	Health Promotion and Disease Prevention	
NURS 343	Mental Health Nursing	
NURS 415	Complementary Health Care	
Psychological Sciences:		
PSYS 160	Introduction to Biopsychology	
Public Health:		
PH 365	Human Sexuality	
PH 464	Women's Health	
PH 468	Sexuality Education	
Physics:		
PHYS 201	College Physics I ¹	
PHYS 202	College Physics II ¹	
PHYS 231 & PHYS 232	Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I ¹	
PHYS 233 & PHYS 332	Laboratory for Physics and Biophysics II and Introduction to Physics and Biophysics II ¹	
PHYS 255 & PHYS 256	University Physics I and University Physics I Lab ¹	
Total Hours		24-27

¹ Unduplicated.

Health Services Leadership & Management Concentration

Code	Title	Hours
Select 24-27 hours from the following:		
Counselor Education:		
CNS 110	Human Relations	
CNS 432	Helping Skills	
Communication:		
COMM 348	Interpersonal Communication	

COMM 440	Health Communication
COMM 450	Family Communication
Exercise Science:	
EXS 455	Exercise and Aging
Family and Consumer Sciences:	
FACS 310	Management of Family Resources
FACS 311	Family Relations
FACS 395	Child and Family Stress
FACS 491	Seminar in Family Economics
FACS 497	Family Home Visiting
Finance:	
FIN 161	Personal Finance
Gerontology:	
GERO 100	Introduction to the Aging Experience
GERO 461	Person-Centered Dementia Management
Health Care Administration:	
HCA 345	Long-Term Care Administration
HCA 347	International Comparisons of Health Care Systems
HCA 353	Quality and Patient Safety in Long-Term Care
HCA 446 & HCA 447	Health Care Informatics and Information Systems Laboratory
Health Information Management:	
HIM 100	Health Data Content and Structure
HIM 252	Healthcare Payment Systems
HIM 291	Advanced Medical Terminology
HIM 292	Pharmacology and Laboratory Diagnostics
Hospitality Management and Dietetics:	
HMD 360	Advanced Nutrition
HMD 367	Nutrition in Aging
HMD 368	Dietary and Herbal Supplements
Interdisciplinary Studies:	
IDST 369	Career Related Field Experience
IDST 390	Applications of Interdisciplinary Studies
IDST 395	Investigative Methods in Interdisciplinary Studies
Leadership:	
LEAD 200	Introduction to Leadership Studies
LEAD 300	Leadership Theory and Application
LEAD 325	Leading Change
LEAD 330	Leadership Ethics and Decision-Making ¹
Management:	
MGT 200	Legal Environment of Business ¹
MGT 301	Business Law ¹
MGT 305	Ethics and Critical Thinking ¹
MGT 333	Management of Nonprofit Organizations

Public Health:	
PH 100	Personal Health
PH 165	Drug Abuse
PH 261	Foundations of Public Health Education
PH 365	Human Sexuality
PH 410	Global Perspectives on Population Health
PH 443	Health and Aging
PH 444	Death, Dying and Bereavement
PH 464	Women's Health
PH 467	Drug Abuse Education
PH 468	Sexuality Education
Psychological Sciences:	
PSYS 333	Cognitive Psychology
PSYS 423	Psychology of Adult Life and Aging
PSY/PSYS 440	Abnormal Psychology
Sociology:	
SOCL 342	Aging in Society
SOCL 440	Sociology of Health and Illness
Special Education:	
SPED 200	The Culture of Disability
Social Work:	
SWRK 101	Foundations of Human Services
SWRK 300	Diversity and Social Welfare
SWRK 330	Human Behavior in the Social Environment
SWRK 326	Services for the Older American
SWRK 357	Case Management
SWRK 375	Social Work Practice I
SWRK 437	Military Social Work
Other courses with advisor approval	
Total Hours	24-27

¹ Unduplicated.

Health Sciences Allied Health Concentration– (Health Related A.S. / A.A. / A.A.S. or MOS to Health Sciences Allied Health B.S. Concentration)

An associate degree in a focused health area or an appropriate military occupational specialty (MOS) in a focused health area with American Council of Education (ACE) approved military credit may fulfill the concentration requirement with the approval of a Health Sciences academic advisor. Students with a completed A.A. or A.S. degree from a KCTCS college will be considered to have completed the WKU Colonnade general education requirements. Twenty-one credit hours is required within the concentration.

In addition to completing the Health Sciences core, students need to fulfill all other appropriate major and degree requirements.

Finish in Four Plans

Health Sciences Preparatory Concentration

First Year

Fall	Hours	Spring	Hours
ENG 100		3 COMM 145	3
HIM 290 or AH 290		2 HIST 101 or HIST 102	3
PSY 220, PSYS 220, PSY 100, or PSYS 100		3 Colonnade: Arts & Humanities	3
MATH 116		3 Major/Minor/Elective OR World Language (if needed)	3
BIOL 120 & BIOL 121		4 Major/Minor/Elective	3
		15	15

Second Year

Fall	Hours	Spring	Hours
ENG 200		3 Major/Minor/Elective	3
HMD 211		3 Major/Minor/Elective	3
CHEM 109 or CHEM 116		3-4 Major/Minor/Elective	3
Colonnade: Connections (Social & Cultural)		3 ENG 300	3
Major/Minor/Elective		3 PH 383, SOCL 300, BIOL 382, STAT 301, PSY 313, PSYS 313, or MATH 183	3
		15-16	15

Third Year

Fall	Hours	Spring	Hours
PE 310, PE 311, PE 313, PH 390, NURS 335, MKT 220, MKT 323, or PR 255		3 HCA 441, MGT 200, MGT 301, or HIM 225	2-3
PH 381		3 HCA 340	3
PH 384		3 Major/Minor/Elective	3
Major/Minor/Elective		3 Major/Minor/Elective	3
Colonnade: Connections (Local to Global)		3 Major/Minor/Elective	3
		15	14-15

Fourth Year

Fall	Hours	Spring	Hours
PH 447, HCA 247, PHIL 322, MGT 305, or SWRK 433		3 HCA 446 & HCA 447 , BDAN 305, or CIS 321	3-4
Major/Minor/Elective		3 Major/Minor/Elective	3
Major/Minor/Elective		3 Major/Minor/Elective	3
Major/Minor/Elective		3 Major/Minor/Elective	3
Major/Minor/Elective		3 Major/Minor/Elective	3
		15	15-16

Total Hours 119-122

Health Sciences Allied Health Concentration

The Health Sciences Allied Health concentration is designed for students who have earned an associate degree in a focused health area or an appropriate military occupational specialty (MOS) in a focused health area with American Council of Education (ACE) approved military credit.

In addition to completing the Health Sciences core, students need to fulfill all other appropriate major and degree requirements. Students should consult with an advisor in planning their four-year degree program.

While working on the Health related Associate degree at KCTCS or WKU, students are encouraged to complete the following courses as a foundation for the Health Sciences major. KCTCS Courses: i) NFS 101; ii. (PSY 110 or PSY 223); iii. (MATH 146 or 150 or higher); iv. (CHE 130 or 140 or PHY ***); v. (AHS 115 or CLA 131); and vi. (BIO 112/1121/1122/1123/1124, or BIO 114/115, or BIO 150/151, or BIO 135 or 137 or 139). Corresponding WKU Courses, if not completed at KCTCS: i. HMD 211; ii. (PSY 100 or PSYS 100); iii. (MATH 109 or MATH 116 or higher); iv. (CHEM 105/CHEM 106, or CHEM 109, or CHEM 116, or PHYS ***); v. (HIM 290 or AH 290); and (BIOL 113 or BIOL 120/BIOL 121 or BIOL 131). WKU Associate Degree seeking students are also encouraged to complete ENG 100 (FW-1) and Arts & Humanities (E-AH) in the first two years.

Third Year

Fall	Hours	Spring	Hours
PE 310, PE 311, PE 313, or PH 390		3 PH 383, SOCL 300, BIOL 382, STAT 301, PSY 313, PSYS 313, or MATH 183	3
PH 381		3 HCA 340	3
Upper Level Elective/ Major/Minor		9 Upper Level Elective/ Major/Minor	9
		15	15

Fourth Year

Fall	Hours	Spring	Hours
HCA 441, MGT 200, MGT 301, or HIM 225		2-3 HCA 446 & HCA 447 , BDAN 305, or CIS 321	3-4
PH 384		3 PH 447, HCA 247, PHIL 322, PHIL 323, MGT 305, or SWRK 433	3
Upper Level Elective/ Major/Minor		9 Upper Level Elective/ Major/Minor	9
		14-15	15-16

Total Hours 59-61

Health Services Leadership and Management Concentration

First Year

Fall	Hours	Spring	Hours
ENG 100		3 COMM 145	3
HIM 290 or AH 290		2 HIST 101 or HIST 102	3
PSY 220, PSYS 220, PSY 100, or PSYS 100		3 Colonnade - Arts & Humanities	3
MATH 116		3 Major/Minor/Elective or World Language (if needed)	3
BIOL 113		3 Major/Minor/Elective	3
BIOL 114		1	
		15	15

Second Year

Fall	Hours	Spring	Hours
ENG 200		3 Major/Minor/Elective	9
HMD 211		3 ENG 300	3
CHEM 105		3 PH 383, SOCL 300, BIOL 382, STAT 301, PSY 313, PSYS 313, or MATH 183	3
CHEM 106		1	
Connections - Social & Cultural		3	

Major/Minor/Elective	3		
	16		15
Third Year			
Fall	Hours	Spring	Hours
PE 310, PE 313, PH 390, MKT 220, MKT 321, MKT 323, or PR 255		3 HCA 441, MGT 200, MGT 301, or HIM 225	2-3
PH 381		3 HCA 340	3
PH 384		3 Major/Minor/Elective	9
Major/Minor/Elective	3		
Connections - Local to Global	3		
	15		14-15
Fourth Year			
Fall	Hours	Spring	Hours
PH 447, HCA 247, PHIL 322, PHIL 323, MGT 305, or SWRK 433		3 HCA 446 & HCA 447 , BDAN 305, or CIS 321	3-4
Major/Minor/Elective	12	Major/Minor/Elective	12
	15		15-16
Total Hours 120-122			

Long-Term Care Administration, Certificate (1717)

Program Coordinator

Melanie D. Eaton, melanie.eaton@wku.edu, (270) 745-5854

When students complete the LTCA Certificate Program in combination with the Bachelor of Science in Health Care Administration and NAB accreditation internship requirements, they will be graduating from a NAB Academic Accreditation Program - one of less than 15 in the United States! Find out more information about NAB academic approval by visiting www.nabweb.org (<http://www.nabweb.org/>).

Why a LTCA Certificate?

This certificate is an excellent addition to aspiring leaders in nursing, finance, accounting, social work, dietetics, management, healthcare and information technology. As career opportunities in long term care continue to grow, there is a greater demand than ever for individuals with some preparation for leadership roles in long term care organizations. As you advance your career and experience, the LTCA Certificate Program will help prepare you for many roles in long term care, with just a few of those listed below:

Dietitian, Director of Social Services, Clinical Nurse Consultant, Director of Nursing, MDS Coordinator, Executive Director, Chief Financial Officer, Nursing Home Administrator, Director of Information Technology, Accounting Manager, Home Health, Business Office Manager, Dietary Manager, Health Informatics

Program Requirements (15 hours)

The long-term care administration certificate, in conjunction with the undergraduate degree program in Health Care Administration is accredited through the National Association of Long Term Care Administrators Board (NAB). The certificate in conjunction with the undergraduate degree program in health care administration prepares students for careers in both long-term care administration and other adult

care services. It follows a cohort model with students being enrolled every fall term.

Code	Title	Hours
HCA 345	Long-Term Care Administration	3
HCA 355	Nursing Facility Administration	3
HCA 353	Quality and Patient Safety in Long-Term Care	3
GERO 100	Introduction to the Aging Experience	3
PH 443	Health and Aging	3
Total Hours		15

Occupational Safety & Health, Certificate (1705)

Program Coordinator

Ritchie D. Taylor, ritchie.taylor@wku.edu, (270) 745-8975

The certificate program in Occupational Safety & Health requires 15 hours and is designed to provide training for careers focused on the protection of human health from occupational hazards in the built and natural environments. Courses will require application of basic Occupational Safety and Health Administration (OSHA) principles and challenges, which will prepare students for diverse opportunities in safety and health, environmental management, and business careers.

Program Requirements (15 hours)

Code	Title	Hours
ENV 120	Introduction to Occupational Safety and Health	3
ENV 221	Safety and Health Standards, Codes, and Regulations	3
ENV 321	Fundamentals of Industrial Hygiene	3
ENV 322	Physical Hazards Recognition and Control I	3
ENV 423	Safety Program Management	3
Total Hours		15

Public Health, Bachelor of Science (521P, 521)

Program Coordinator

Grace K. Lartey, grace.lartey@wku.edu, (270) 745-3941

The Bachelor of Science in Public Health is accredited by the Council on Education for Public Health (CEPH). Graduates are prepared to use their skills in a variety of government agencies, hospitals and other facilities of the health care system, community mental health agencies, employee health programs in business and industry, student health services on college campuses, and many non-profit health agencies and communities. Many students choose to pursue advanced degrees in public health, and this is strongly encouraged.

Program Requirements (70 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/

registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The program in public health consists of a core of 30 credit hours of coursework, 28 credit hours of other required courses, and 12 hours of electives for a total of 70 hours in the major.

Code	Title	Hours
Core Courses		
PH 261	Foundations of Public Health Education	3
PH 381	Public and Community Health	3
PH 384	Introduction to Epidemiology	3
PH 385	Environmental Health	3
PH 410	Global Perspectives on Population Health	3
PH 412	Health Disparities and Health Equity	3
PH 484	Community Organization for Health Education	3
PH 485	Fundamentals of Public Health Planning	3
PH 488	Public Health Senior Seminar	3
PH 490	Internship	3
Total Hours		30

Code	Title	Hours
Additional Required Courses		
BIOL 131	Human Anatomy and Physiology	4
BIOL 207 & BIOL 208	General Microbiology and General Microbiology Laboratory	4
CHEM 109	Chemistry for the Health Sciences	4
MATH 109 or MATH 115	General Mathematics Applied College Algebra	3
or higher level math course		
PH 100	Personal Health	3
PH 383	Biostatistics in the Health Sciences	3
SFTY 171	Safety and First Aid	1
COMM 145	Fundamentals of Public Speaking and Communication	3
Select one of the following courses:		3
PSY/PSYS 100	Introduction to Psychology	
PSY/PSYS 220	Introduction to Lifespan Developmental Psychology	
SOCL 100	Introductory Sociology	
Total Hours		28

Code	Title	Hours
Electives		
Select 12 hours of the following courses: ¹		12
BIOL 315	Ecology	

CHEM 330	Quantitative Analysis
ENV 280	Introduction to Environmental Science
ENV 321	Fundamentals of Industrial Hygiene
ENV 323	Fundamentals of Industrial Hygiene Laboratory
ENV 360	Air Pollution Control
ENV 365	Air Pollution Control Laboratory
ENV 375	Introduction to Water Resources
ENV 380	Principles of Environmental Toxicology
ENV 410	Water Treatment Processes
ENV 411	Water Treatment Processes Laboratory
ENV 430	Radiological Health
ENV 460	Environmental Management
ENV 474	Environmental Risk Assessment
ENV 480	Hazardous and Solid Waste Management
ENV 490	Food Safety
GEOG 310	Global Hydrology
AH/HIM 290	Medical Terminology
SFTY 270	General Safety
HMD 211	Human Nutrition
HCA 340	Health Care Organization and Management
HCA 347	International Comparisons of Health Care Systems
HCA 459	Global Health Service-Learning Practicum
LEAD 200	Introduction to Leadership Studies
LEAD 300	Leadership Theory and Application
LEAD 325	Leading Change
LEAD 330	Leadership Ethics and Decision-Making
PH 365	Human Sexuality
PH 382	Peer Health Education
PH 390	Wellness and Fitness Assessment
PH 402	Worksite Health Promotion
PH 443	Health and Aging
PH 444	Death, Dying and Bereavement
PH 447	Human Values and the Health Sciences
PH 456	Independent Study in Health and Safety
PH 464	Women's Health
PH 467	Drug Abuse Education
PH 468	Sexuality Education
PH 483	Administration of Public Health Programs
PS 338	Government and Ethics
SOCL 260	Race and Ethnic Relations
SOCL 270	Introduction to Community, Environment, & Development

SOCL 350	Systems of Social Inequality	
SOCL 360	The Community in Rural and Urban Settings	
SOCL 362	Social Institutions: Race, Class, and Gender	
SOCL 375	Diversity in American Society	
SOCL 376	Sociology of Globalization	
STAT 330	Introduction to Statistical Software	
SWRK 101	Foundations of Human Services	
Total Hours		12

¹ Six of these hours must be upper division.

Requirements for Admission to Public Health (reference number 521)

30 hours including the following courses with an overall GPA of 2.3 or better:

Code	Title	Hours
BIOL 131	Human Anatomy and Physiology	4
CHEM 109	Chemistry for the Health Sciences	4
COMM 145	Fundamentals of Public Speaking and Communication	3
PH 100	Personal Health	3
Select one of the following:		3
PSY/PSYS 100	Introduction to Psychology	
PSY/PSYS 220	Introduction to Lifespan Developmental Psychology	
SOCL 100	Introductory Sociology	
Select 13 additional hours		13
Total Hours		30

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
PH 100		3 PSY 100, PSYS 100, PSY 220, PSYS 220, or SOCL 100	3
PH 261		3 COMM 145	3
ENG 100		3 MATH 109 or MATH 115	3
BIOL 131		4 CHEM 109	4
Colonnade: Arts & Humanities		3 ENG 200	3
		16	16
Second Year			
Fall	Hours	Spring	Hours
PH 381		3 PH 383	3
BIOL 207 & BIOL 208		4 Connections - Local to Global	3
HIST 101 or HIST 102		3 SFTY 171	1
Connections - Social and Cultural		3 General Elective (CIS 141 suggested)	3
World Language or General Elective		3 PH Elective (See advisor)	3
		Elective	3
		16	16

Third Year			
Fall	Hours	Spring	Hours
ENG 300		3 PH 384	3
PH 410		3 PH 484	3
PH 385		3 PH Elective (see advisor)	3
PH Elective (see advisor)		3 Elective	3
Elective		3 Elective	3
		15	15

Fourth Year			
Fall	Hours	Spring	Hours
PH 412		3 PH 490	3
PH 485		3 PH 488	3
PH Elective		3 PH Elective (see advisor)	3
Connections - Systems		3 Elective	3
Elective		2	
		14	12

Total Hours 120

Public Health, Certificate (1742)

Program Coordinator

Grace K. Larney, grace.larney@wku.edu, (270) 745-3941

This 18 credit hour certificate program is designed to provide core public health concepts and skills to students and professionals in the public health field and other health-related areas. This program will also increase students' knowledge and skills in public health competencies.

Program Requirements (18 hours)

Code	Title	Hours
Required Courses:		
PH 100	Personal Health	3
PH 381	Public and Community Health	3
PH 383	Biostatistics in the Health Sciences	3
PH 384	Introduction to Epidemiology	3
PH 385	Environmental Health	3
PH 483	Administration of Public Health Programs	3
Total Hours		18

Some required courses may have pre-requisites that help fulfill Colonnade requirements. These pre-requisites include MATH 109 or MATH 115 or higher, 3 hours of CHEM and 3 hours of BIOL.

Worksite Health Promotion, Certificate (1707)

Program Coordinator

Gretchen M. Macy, gretchen.macy@wku.edu, (270) 745-5870

Program Objectives:

1. Utilize effective communication techniques with employees and employers including the benefits and consequences of various lifestyle behaviors.
2. Design a worksite health promotion program which will encompass all aspects of health program planning including: Needs assessment,

Program planning design, Effective implementation of programs, Evaluation of program for quality and effectiveness

3. Provide worksite opportunities for focused training in disease prevention and health promotion for a healthy and productive working population
4. Demonstrate to management the importance of a supportive environment for successful worksite wellness.

Program Requirements (18 hours)

The certificate program in Worksite Health Promotion requires 18 semester hours and is designed to provide training for students and professionals who have an interest in developing worksite health promotion programs in the private sector. This certificate program will provide a comprehensive skill base for assessment, planning, implementation and evaluation of health promotion programs in a worksite environment.

Code	Title	Hours
PE 100	Fundamentals of Physical Activity	3
ENV 120	Introduction to Occupational Safety and Health	3
HMD 211	Human Nutrition	3
PH 100	Personal Health	3
PH 261	Foundations of Public Health Education	3
PH 402	Worksite Health Promotion	3
Total Hours		18

Department of Social Work

Dr. Patricia Desrosiers

Academic Complex, Office 210

Phone: 270-745-5312; Fax: 270-745-6841

Website: <http://www.wku.edu/socialwork> (<http://www.wku.edu/socialwork/>)

The undergraduate social work program is fully accredited by the Council on Social Work Education.

The social work profession grew out of societal concerns about individual and social problems associated with the distribution of resources and opportunities. Today's social workers address social issues related to stresses on individuals, families, groups, organizations and communities. As professionals, social workers give their attention to inequities in the distribution of resources and opportunities and other factors interfering with persons' ability to reach their full potential.

The undergraduate social work program depends on a strong liberal arts base and a generalist practice foundation to achieve its mission and goals. The mission of the BSW program at WKU is to prepare culturally competent social workers for practice with diverse communities and client systems. The program promotes a commitment to professional ethics, leadership, professionalism, social justice, and lifelong learning in order for graduates to practice effectively in a global community. For more information regarding the BSW program and its goals, please visit the departmental webpage: <http://www.wku.edu/socialwork/bsw> (<http://www.wku.edu/socialwork/bsw/>).

When planning a program of study in this department, each student should be aware of the University's academic requirements and

regulations contained in this catalog in the chapter "Academic Information." Specific attention should be given to the subsections in the chapter entitled (a) Academic Programs, (b) Colonnade Requirements, and (c) Academic Requirements and Regulations. Students should be aware that some academic programs may require additional scholastic regulations and standards not specified in the catalog. To obtain a copy of these regulations, students should contact the department or visit the departmental webpage.

Students may be required to undergo criminal background checks and drug testing and to provide proof of health insurance, liability insurance, and/or immunization records prior to participating in any required experiences at selected off-campus facilities/agencies. Additionally, there may be certifications, training seminars, or other requirements specified by the facility/agency that a student must meet in order to be eligible for field or practical experiences at the facility. It is the responsibility of the student to ensure that all institutional and/or facility requirements are met as a condition of participating in the off-campus experiences; students may be responsible in part or in full for any costs incurred to meet such requirements. Students are also responsible for transportation to and from off-campus experiences.

Degree

- Social Work, Bachelor of Social Work (594P, 594) (p. 364)

Minor

- Social Work, Minor (459) (p. 366)

Faculty Professor

Amy C. Cappiccio PhD (Social Work), University of Louisville, 2006
 Patricia L. Desrosiers PhD (Social Work), University of Louisville, 2009
 Wesley J. Gabbard PhD (Social Work), The University of Alabama, 2004
 Larry W. Owens EdD (Leadership Education), Spalding University, 2007
 Dana J. Sullivan PhD (Social Work), University of Louisville, 2003

Associate Professor

Simon P. Funge PhD (Social Welfare), University of California-Los Angeles, 2013

Whitney R. Harper PhD (Human Devl and Family Studies), Michigan State University, 2015

Gayle M. Mallinger PhD (Social Work), University of Pitts Pittsburgh Camp, 2010

April L. Murphy PhD (Social Work), University of Louisville, 2012

Assistant Professor

Daniel A. Boamah PhD (Social Work), University of Louisville, 2020

Austin G. Griffiths PhD (Social Work), University of Kentucky, 2017

Instructor I

Lynn M. Hazlett MSW, Western Kentucky University, 2010

Monica G. Hines MSW (Social Work), Western Kentucky University, 2010

Erin T. Warfel MSW (Social Work), Bryn Mawr College, 2001

Instructor II

Allison Gibson MSSW (Social Work), University of Louisville, 2005

Social Work, Bachelor of Social Work (594P, 594)

Program Coordinator

Simon P. Funge, simon.funge@wku.edu, (270) 745-4149

The Bachelor of Social Work (BSW) is accredited by the Council on Social Work Education (CSWE). During the four semesters required for completion of the social work major, students acquire knowledge, skills, and values that demonstrate competency in generalist social work practice. The major includes a 400-hour Field practicum or internship at a social service agency where students apply classroom learning under the supervision of a professional social worker. As a bachelor level social worker, graduates may work with individuals, families, groups, organizations, and/or the entire community with a primary focus on coordinating services in a variety of settings with multiple populations. For this reason, graduates must be flexible enough to work with people of various ages, backgrounds and cultures. With a BSW students are eligible to apply to any CSWE-Accredited Advanced Standing (accelerated) Master of Social Work program in the U.S. (Application requirements vary by program.)

The Social Work major consists of 54 semester hours, 42 core hours in social work and 12 hours in supportive courses. It is not necessary to have a minor for graduation.

Consistent with the program's emphasis on a liberal arts foundation, during the freshman and sophomore years, students will take courses in English, political science, economics, math, biology, sociology, psychology, and also public speaking and history. These courses will also fulfill several of the Colonnade requirements. A list of the required liberal arts and sciences courses that must be taken as prerequisites for applying to the social work major is available on the departmental webpage or can be obtained from the department.

A student receiving a "D" or lower in any course used for the social work major will be required to repeat the course. If it is a core social work course, then the course must be repeated before proceeding to the next course in the sequence.

Admission Requirements

The academic advisor reviews the student's academic status. If necessary, students are advised to fulfill prerequisites for admission to the program. Upon completion of prerequisite courses, including SWRK 101, students must complete an application process for formal admission to the social work program. The BSW Admissions and Retention Committee reviews each application. Students must have attained a cumulative grade point average of 2.5 and sophomore status in order to be admitted. Guidelines for admission and retention are stated in the BSW Student Handbook, which is available in the departmental office or on www.wku.edu/socialwork (<https://www.wku.edu/socialwork/>). The following 24 hours are required for admission:

Code	Title	Hours
SWRK 101	Foundations of Human Services	3
ENG 100	Introduction to College Writing	3
Select one of the following courses:		3
MATH 183	Introductory Statistics	
SWRK 344	Social Work Statistics and Data Analysis	
SOCL 300	Using Statistics in Sociology	
PSY/PSYS 313	Statistics in Psychology	
PH 383	Biostatistics in the Health Sciences	
PS 110	American National Government	3
ECON 150	Introduction to Economics	3
or ECON 202	Principles of Economics (Micro)	

or ECON 203	Principles of Economics (Macro)	
PSY/PSYS 100	Introduction to Psychology	3
or PSY/PSYS 220	Introduction to Lifespan Developmental Psychology	
SOCL 100	Introductory Sociology	3
or AGRI 108	Rural Sociology	
BIOL 113	General Biology	3
or BIOL 120	Biological Concepts: Cells Metabolism and Genetics	
or BIOL 131	Human Anatomy and Physiology	
Total Hours		24

Program Requirements (54 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
Required Courses		
SWRK 101	Foundations of Human Services	3
SWRK 301	Social Work Practice for Diversity, Equity, and Inclusion	3
SWRK 330	Human Behavior in the Social Environment	3
SWRK 345	Social Work Research Methods	3
SWRK 357	Case Management	3
SWRK 375	Social Work Practice I	3
SWRK 378	Social Work Practice II	3
SWRK 379	Introduction to Social Work Communication Skills	3
SWRK 381	Social Work Practice III	3
SWRK 395	Social Welfare Policy and Issues	3
SWRK 480	Social Work Field Practicum I	3
SWRK 481	Social Work Field Seminar I	3
SWRK 482	Social Work Field Practicum II	3
SWRK 483	Social Work Field Seminar II	3
Electives ¹		12

Select two of the following:

SWRK 270	Mental Health and Social Policy
SWRK 300	Diversity and Social Welfare
SWRK 305	Environmental Justice: Theory, Policy, and Practice
SWRK 324	Opioid Epidemic
SWRK 325	Social Work & Women in Society
SWRK 326	Services for the Older American
SWRK 356	Services for Juvenile Offenders and Their Families
SWRK 433	Ethical Issues and Dilemmas in Social Work

SWRK 436	Services to Children
SWRK 437	Military Social Work
SWRK 438	Understanding Trauma
SWRK 450	Child Maltreatment
SWRK 451	Child Maltreatment Interventions
SWRK 490	Selected Topics in Social Work
SWRK 495	Directed Study
SWRK 496	Directed Study
Select six hours in consultation with advisor and must be unduplicated. ²	

Total Hours 54

¹ Approved by the advisor. Six hours of the electives must be in social work. Must be unduplicated.

² Advisor consent electives are AFAM 190, ACCT 420, CD 489, COMM 345, COMM 349, COMM 362, CNS 110, CNS 432, CRIM 101, CSJ 200, EDU 276, ENG 301, ENG 306, ENG 307, FACS 3**, 4**, FIN 161, FLK 280, FLK 3**, FLK 4**, GERO 100, GEOG 350, GEOG 352, GEOG 480, HCA 340, HIST 320, HIST 321, HIST 364, HMD 211, LEAD 200, LEAD 3**, LEAD 4**, MGT 210, MGT 311, MGT 333, PH 165, PH 3**, PH 4**, PHIL 315, PHIL 320, PHIL 322, PHIL 330, PHIL 350, PHIL 401, PHIL 426, PSY 3**, PSY 4**, REC 220, REC 302, RELS 305, RELS 320, SOCL 309, SOCL 3**, SOCL 4**, SWRK 270, SWRK 300, SWRK 305, SWRK 324, SWRK 325, SWRK 326, SWRK 356, SWRK 433, SWRK 436, SWRK 437, SWRK 438, SWRK 450, SWRK 451, GWS 200, and GWS 400.

Finish in Four Plan

First Year

Fall	Hours	Spring	Hours
SWRK 101		3 MATH 183	3
HIST 101 or HIST 102		3 ENG 100	3
COMM 145		3 Minor/Elective or World Language (if needed)	3
SOCL 100 or AGRI 108		3 PS 110	3
PSY 100 or PSYS 100		3 BIOL 113, BIOL 120, BIOL 121, or BIOL 131	3-4
		15	15-16

Second Year

Fall	Hours	Spring	Hours
ECON 150		3 Colonnade - Natural & Physical Sciences (not Biology)	3
Colonnade - Arts & Humanities		3 Connections - Social & Cultural	3
Major Social Work Elective #1		3 Major Advisor Consent Elective #1	3
ENG 200		3 Minor/Elective	3
Minor/Elective		3 Minor/Elective	3
		15	15

Third Year

Fall	Hours	Spring	Hours
SWRK 301		3 SWRK 357	3
SWRK 330		3 SWRK 378	3
SWRK 375		3 SWRK 379	3
Connections - Local to Global		3 ENG 300	3
Major Advisor Consent Elective #2		3 Connections - Systems	3
		15	15

Fourth Year

Fall	Hours	Spring	Hours
SWRK 345		3 SWRK 395	3
SWRK 381		3 SWRK 482	3
SWRK 480		3 SWRK 483	3
SWRK 481		3 Major Social Work Elective #2	3
Minor/Elective		3 Minor/Elective	3
		15	15

Total Hours 120-121

Social Work, Minor (459) Program Requirements (21 hours)

Code	Title	Hours
SWRK 101	Foundations of Human Services	3
SWRK 300	Diversity and Social Welfare	3
SWRK 301	Social Work Practice for Diversity, Equity, and Inclusion	3
SWRK 330	Human Behavior in the Social Environment	3
SWRK 357	Case Management	3
Select two social work electives in consultation with social work advisor		6

SWRK 270	Mental Health and Social Policy
SWRK 325	Social Work & Women in Society
SWRK 326	Services for the Older American
SWRK 356	Services for Juvenile Offenders and Their Families
SWRK 433	Ethical Issues and Dilemmas in Social Work
SWRK 436	Services to Children
SWRK 437	Military Social Work
SWRK 450	Child Maltreatment
SWRK 490	Selected Topics in Social Work
SWRK 495	Directed Study
SWRK 496	Directed Study

May choose one of these:

SWRK 344	Social Work Statistics and Data Analysis
MATH 183	Introductory Statistics
SOCL 300	Using Statistics in Sociology
PSY/PSYS 313	Statistics in Psychology
PH 383	Biostatistics in the Health Sciences

Total Hours 21

Only the major prepares the student for beginning professional social work practice. Social work practice courses and the social work practicum are not available to minors.

School of Kinesiology, Recreation and Sport

Dr. Paula Upright, Interim Director

Houchens Industries L.T. Smith Stadium East

Phone: (270) 745-3347; Fax: (270) 745-6043

Website: <http://www.wku.edu/krs> (<http://www.wku.edu/krs/>)

The School of Kinesiology, Recreation, and Sport (KRS) recognizes the importance of quality undergraduate and graduate degree programs for professionals seeking knowledge related to human movement, recreation, leisure, and sport management. The school is student-centered and known for its innovative teaching, research, and community-based service activities. In the School, we offer majors in the areas of Physical Education pedagogy, Exercise Science, Recreation Administration, and Sport Management. The minors within the school include Athletic Coaching, Nonprofit Administration, Outdoor Experience Leadership, Facility and Event Management, and Tourism.

To facilitate student preparation, KRS has designed rigorous professional preparation programs of study. For more information regarding any program in KRS, please visit our department website at <https://www.wku.edu/krs/>. You may also consider contacting the appropriate program coordinator for specific questions about a major, minor, or graduate degree.

When planning a program of study in KRS, each student should be aware of the University's academic requirements and regulations contained in this catalog in the chapter "Academic Information." Specific attention should be given to the subsections in the chapter entitled (a) Academic Programs, (b) Colonnade Requirements, and (c) Academic Requirements and Regulations. Students should be aware that some academic programs may require additional scholastic regulations and standards not specified in the catalog. To obtain a copy of these regulations, students should contact the school or visit the KRS webpage.

Degrees

- Exercise Science, Bachelor of Science (554P, 554) (p. 368)
- Physical Education, Bachelor of Science (587) (p. 371)
- Recreation, Park, and Nonprofit Administration, Bachelor of Science (5010) (p. 374)
- Sport Management, Bachelor of Science (572P, 572) (p. 377)

Minors

- Athletic Coaching, Minor (320) (p. 368)
- Facility and Event Management, Minor (367) (p. 369)
- Nonprofit Administration, Minor (422) (p. 370)
- Outdoor Experience Leadership, Minor (442) (p. 371)
- Tourism and Events, Minor (319) (p. 378)

Certificates

- Athletic Coaching, Certificate (1770) (p. 367)
- Esports Management, Certificate (1766) (p. 368)

Faculty

Professor

Raymond A. Poff PhD (Leisure Behavior), Indiana University-Bloomington, 2001

Ronald D. Ramsing PhD (Parks, Recreation, and Tourism), University of Utah, 2005

Associate Professor

Scott W. Arnett PhD (Exercise Science), University of Georgia, 2007

Yuchun Chen PhD (Human Performance), The University of Alabama, 2012

Kenneth J. Crandall PhD (Exercise and Sport Science), University of Utah, 2004

Keri A. Esslinger PhD (Kinesiology), University of Arkansas Main Campus, 2010

Tricia A. Jordan PhD (Educational Leadership & Organizational Development), University of Louisville, 2009

Evelyn M. Oregon PhD (Kinesiology), Michigan State University, 2013

Mark A. Schafer PhD (Health and Physical Activity, Exercise Physio Clin Res Trac), University of Pitts Pittsburgh Camp, 2007

Tammie L. Stenger-Ramsey EdD (Applied Educational Studies), Oklahoma State University Main Campus, 2001

Thomas B. Stinnett PhD (Educational Leadership and Organizational Development), University of Louisville, 2013

Rachel A. Tinius PhD (Movement Science), Washington University, 2015

Paula A. Upright PhD (Educational Leadership & Organizational Development), University of Louisville, 2009

Assistant Professor

Shea M. Brgoch PhD (Kinesiology), The Ohio State University Main Campus, 2021

William A. Czekanski PhD (Physical Activity and Education Services), The Ohio State University Main Campus, 2012

Stacey A. Forsythe EdD (Educational Leadership), Western Kentucky University, 2015

Eric G. Knackmuhs PhD (Leisure Behavior), Indiana University-Bloomington, 2017

Allie E. McCreary PhD (Parks, Recreation, and Tourism), North Carolina State University, 2017

Brian S. Myers PhD (PHYS ED: SPECIAL PHYS EDUCATION), Eastern Michigan University, 2019

Whitley J. Stone PhD (Health Sciences), Middle Tennessee State University, 2017

Danilo V. Toluoso PhD (Human Performance), The University of Alabama, 2019

Kaylee Woodard PhD (Kinesiology), University of Tennessee, Knoxville, 2020

Pedagogical Assistant Professor

Terry L. Obee EdD, United States Sports Academy, 2018

Sarah L. Scali PhD (Physical Education), Springfield College, 2016

Instructor I

Tracy Lane MED (General Education), Auburn University at Montgomery, 1994

Athletic Coaching, Certificate (1770)

The Athletic Coaching certificate is designed to develop positive teaching/coaching skills in athletics and to meet the need for qualified coaches in public/private schools, business settings or community agencies.

Program Requirements (12 hours)

Code	Title	Hours
PE 290	Foundations of Coaching Principles	3
PE 291	Scientific Base/Conditioning	3
PE 497	Advanced Principles of Coaching	3
Select 1 Coaching Elective course from the list below:		3
PE 333	Coaching of Volleyball	
PE 340	Football Coaching	
PE 341	Basketball Coaching	
PE 342	Track and Field Coaching	

PE 343

Baseball Coaching

Total Hours

12

Athletic Coaching, Minor (320)

Program Requirements (21-24 hours)

The minor in Athletic Coaching is designed to develop positive teaching/coaching skills in athletics and to meet the need for qualified coaches in public/private schools, business settings or community agencies.

The minor requires 21-24 semester hours. Students must maintain a "C" or better in each course in the minor.

Code	Title	Hours
Required Courses:		
PE 211	Net / Wall and Target Sports	3
PE 212	Striking / Fielding and Invasion Sports	3
PE 290	Foundations of Coaching Principles	3
PE 291	Scientific Base/Conditioning	3
PE 310	Kinesiology	3
PE 311	Exercise Physiology	3
PE 497	Advanced Principles of Coaching	3
Electives - Students may select 1 course from below:		0-3
PE 333	Coaching of Volleyball	
PE 340	Football Coaching	
PE 341	Basketball Coaching	
PE 342	Track and Field Coaching	
PE 343	Baseball Coaching	
Total Hours		21-24

Esports Management, Certificate (1766)

Program Coordinator

Stacey A. Forsythe, stacey.forsythe@wku.edu, (270) 745-4238

The Esports Management Certificate is designed to prepare students in various majors for careers in Esports Management. This certificate is an interdisciplinary program between the Sport Management program in the School of Kinesiology, Recreation and Sport in the College of Health and Human Services and the Department of Marketing in the Gordon Ford College of Business and aims to equip students with knowledge in the areas of design, marketing, finance, promotion, and management within the Esports industry.

Program Requirements (15 hours)

Code	Title	Hours
MKT 220	Basic Marketing Concepts	3
MKT 322	Integrated Marketing Communications	3
MKT 426	Esports Marketing and Branding	3
SPM 305	Sport Event Management	3
SPM 320	Esports Management	3
Total Hours		15

Exercise Science, Bachelor of Science (554P, 554)

Program Coordinator

Mark A. Schafer, mark.schafer@wku.edu, (270) 745-5857

The Exercise Science major in exercise science provides extensive study and experiences in many areas including exercise physiology, kinesiology, and biomechanics. Our highly qualified graduates pursue professional certifications e.g. ACSM Certified Exercise Physiologist® (ACSM – EP) and NSCA Certified Strength and Conditioning Specialist (CSCS), and may go on to pursue careers in cardiopulmonary rehabilitation, strength & conditioning, corporate fitness and health promotion, medically-based fitness programs, public health, and other related fields. In addition, graduates often pursue graduate study and professional programs such as physical therapy, occupational therapy, medicine, nutrition, exercise physiology, and athletic training, as well as other health, physical activity, research, and rehabilitative professions.

Admission Requirements

To be admitted to the exercise science program, students must have:

- completed 39-40 hours of coursework;
- completed the following courses with a grade of "C" or higher: EXS 122, EXS 223, EXS 296, HMD 211, SFTY 171, BIOL 131, CHEM 109 or CHEM 120/CHEM 121, MATH 116, PSY 100/PSYS 100 or PSY 220/PSYS 220 or SOCL 100 or GERO 100;
- a WKU and cumulative 2.5 GPA or higher;
- Work with your advisor regarding the appropriate time for the submission of your application. You may submit your application when you are currently enrolled in your final 2 prerequisite courses and will be completing the total hours (39-40). *Please submit your application a minimum of 3 weeks prior to your priority registration date.* Any delay in receiving your application will limit your ability to enroll in the Exercise Science (EXS) courses.
- For more information about the Exercise Science program and to submit your application, please visit:

1. Visit <https://www.wku.edu/exs/preprogram.php>; and
2. Submit an application through the Google form link.

Program Requirements (55 hours)

Students must maintain a "C" or better in each course in the major. Additionally, in accordance with university policy, an overall grade point average of 2.0 or better must be attained upon on the completion of required curriculum.

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Students must complete the following courses:

Code	Title	Hours
EXS 122	Foundations of Kinesiology	3
EXS 223	Introduction to Exercise Science	3
EXS 296	Practicum in Exercise	3
EXS 310	Kinesiology	3
EXS 311	Physiology of Exercise	3
EXS 312	Basic Athletic Training	3
EXS 313	Motor Learning and Control	3
EXS 324	Measurement and Evaluation in Kinesiology	3
EXS 325	Applied Exercise Physiology	3
EXS 412	Exercise Testing & Prescription	4
EXS 420	Clinical Exercise Physiology	4
EXS 436	Principles of Strength and Conditioning	3
EXS 446	Biomechanics	4
EXS 455	Exercise and Aging	3
EXS 496	Internship in Exercise Science	6
or EXS 498	Capstone Research Experience in Exercise Science	
HMD 211	Human Nutrition	3
SFTY 171	Safety and First Aid	1
Total Hours		55

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
ENG 100		3 HIST 101 or HIST 102	3
MATH 116		3 COMM 145	3
EXS 122		3 ENG 200	3
BIOL 131		4 EXS 223	3
PSY 100, PSYS 100, SOCL 100, PSY 220, PSYS 220, or GERO 100		3 CHEM 109 or CHEM 120/121	4-5
	16		16-17
Second Year			
Fall	Hours	Spring	Hours
Minor Elective or World Language (if needed)		3 EXS 296	3
Colonnade - Arts & Humanities		3 HMD 211	3
SFTY 171		1 Connections - Local to Global	3
ENG 300		3 Pre-Professional Prerequisite/Minor/ Elective	3
Pre-Professional Prerequisite/Minor/ Elective		3 Pre-Professional Prerequisite/Minor/ Elective	3
Pre-Professional Prerequisite/Minor/ Elective		3	
	16		15
Third Year			
Fall	Hours	Spring	Hours
EXS 310		3 EXS 324	3
EXS 311		3 EXS 325	3
EXS 313		3 EXS 412	4

Connections - Social & Cultural	3 Pre-Professional Prerequisite/Minor/ Elective	3
Pre-Professional Prerequisite/Minor/ Elective	3 Pre-Professional Prerequisite/Minor/ Elective	3
	15	16

Fourth Year

Fall	Hours	Spring	Hours
EXS 455		3 EXS 420	4
EXS 436		3 EXS 446	4
PE 312		3 EXS 496 or EXS 498	6
Pre-Professional Prerequisite/Minor/ Elective		3	
	12		14

Total Hours 120-121

Facility and Event Management, Minor (367)

Program Requirements (21 hours)

The Facility and Event Management minor provides students with practical knowledge and skills needed for successful careers in facility and event planning and management.

Code	Title	Hours
Required Courses:		
REC 306	Experience Planning and Evaluation	3
Choose 3 hours from the following:		3
REC 404	Recreation Facility Management	
REC 426	Facility Planning and Design	
SPM 404	Sport Facility Management	
Choose 3 hours from the following:		3
SPM 305	Sport Event Management	
HMD 375	Meeting and Convention Management	
Choose 3 hours from the following:		3
SPM 315	Sport Communication	
SPM 450	Sport Law	
SPM 452	Sport Leadership and Management	
MGT 301	Business Law	
HMD 378	Legal Environment of Hospitality and Tourism	
MKT 331	Social Media Marketing	
Choose 6 hours (unduplicated) from:		6
REC 404	Recreation Facility Management	
REC 420	Recreation and Tourism	
REC 422	Campus Recreation	
REC 424	Camp and Retreat Center Administration	
REC 426	Facility Planning and Design	
REC 430	Recreation Resource Management	
REC 434	Interpreting America's National Parks	
REC 439	Challenge Course Facilitation	

HMD 375	Meeting and Convention Management	
HMD 475	Advanced Hospitality Event Planning	
REC 493	Recreation Practicum	3

Or, other courses approved by the Facility and Event Management advisor.

Total Hours **21**

Nonprofit Administration, Minor (422)

Program Requirements (21-24 hours)

The minor in Nonprofit Administration prepares students for careers in, and service to, the nonprofit sector. Students take courses from several departments and programs of study to gain needed nonprofit competencies and experiences.

This minor consists of 21-24 hours including the following required courses.

Code	Title	Hours
Required Courses:		
REC 220	Understanding the Nonprofit Sector	3
MGT 333	Management of Nonprofit Organizations	3
or PS 340	Principals of Public Administration	
Select one of the following:		3
ACCT 220		
REC 402	Fiscal Practices in Recreation	
SPM 402	Fiscal Practices in Sport Management	
REC 460	Grant Writing for Nonprofit Organizations	3
REC 496	Nonprofit Internship ¹	3-6
Select six hours of the following:		6
ACCT 420	Governmental and Not for Profit Accounting	
BA 110	Introduction to Business and Entrepreneurship	
HMD 271	Tourism Planning and Development	
HMD 375	Meeting and Convention Management	
COMM 240	Effective Listening	
COMM 260	Organizational Interviewing	
COMM 345	Advanced Public Speaking	
COMM 348	Interpersonal Communication	
COMM 349	Small Group Communication	
COMM 362	Organizational Communication	
COMM 463	Advanced Intercultural Communication	
ECON 202	Principles of Economics (Micro)	
ENG 301	Argument and Analysis in Written Discourse	
ENG 306	Business Writing	

ENG 307	Technical Writing
ENG 415	Writing and Technology
FIN 330	Principles of Finance
GERO 100	Introduction to the Aging Experience
GERO 495	Topics in Gerontology
DCS 300	Public Problem Solving
CSJ 301	Seminar in Social Justice
LEAD 200	Introduction to Leadership Studies
LEAD 325	Leading Change
LEAD 330	Leadership Ethics and Decision-Making
LEAD 395	Contemporary Leadership Issues
MGT 210	Organization and Management
MGT 311	Human Resource Management
MKT 220	Basic Marketing Concepts
PERF 423	Performing Arts Management
PHIL 320	Ethics
PHIL 323	Social Ethics
RELS 323	Social Ethics
PS 250	International Politics
PS 338	Government and Ethics
PSY/PSYS 220	Introduction to Lifespan Developmental Psychology
PSYS 321	Child Developmental Psychology
PSY 350	Social Psychology
PSY 422	Adolescent Psychology
PSY 442	Beginning Skills in Psychological Interviewing
REC 302	Recreation Leadership
REC 306	Experience Planning and Evaluation
REC 328	Inclusive Recreation
REC 404	Recreation Facility Management
REC 424	Camp and Retreat Center Administration
SOCL 100	Introductory Sociology
SOCL 210	Interaction: Self in Society
SOCL 240	Global Social Problems
SOCL 300	Using Statistics in Sociology
SOCL 360	The Community in Rural and Urban Settings
SOCL 362	Social Institutions: Race, Class, and Gender
SOCL 375	Diversity in American Society
SOCL 410	Socialization: Changes Through Life
SPM 200	Introduction to Sport Management
SPM 452	Sport Leadership and Management
SWRK 101	Foundations of Human Services
SWRK 205	Introduction to Social Work
SWRK 330	Human Behavior in the Social Environment
SWRK 344	Social Work Statistics and Data Analysis

SWRK 379	Introduction to Social Work Communication Skills
Other courses as approved by the program coordinator	
Total Hours	21-24

¹ 150-300 hours of internship experience for 3-6 credit hours.

No more than 15 hours from any prefix may be used to fulfill the minor requirements. Some courses have prerequisites. Visit <http://www.wku.edu/nonprofit> (<http://www.wku.edu/nonprofit/>) for more information.

Outdoor Experience Leadership, Minor (442)

Program Requirements (24 hours)

The Outdoor Experience Leadership Minor consists of 24 hours designed to provide students with the theoretical and practical skills necessary to become leaders within the outdoor education, adventure, or resource management professions.

Code	Title	Hours
The following foundations courses are required for the minor:		
REC 330	Foundations of Outdoor Recreation	3
REC 332	Outdoor Education	3
Students must also complete 18 hours as follows:		
6 hours from the following skill-development courses:		6
REC 335	Outdoor Skills-Land	
REC 337	Outdoor Skills-Water	
REC 424	Camp and Retreat Center Administration	
REC 434	Interpreting America's National Parks	
REC 439	Challenge Course Facilitation	
3 hours from the following planning courses:		3
REC 430	Recreation Resource Management	
REC 435	Outdoor Experience Planning	
3 hours from the following leadership development courses:		3
REC 437	Outdoor Leadership Expedition	
REC 493	Recreation Practicum	
6 elective hours (unduplicated) from:		6
REC 235	Outdoor Recreation Activities	
REC 335	Outdoor Skills-Land	
REC 337	Outdoor Skills-Water	
REC 338	Parks, Recreation, and Quality of Life	
REC 424	Camp and Retreat Center Administration	
REC 430	Recreation Resource Management	
REC 434	Interpreting America's National Parks	
REC 435	Outdoor Experience Planning	
REC 437	Outdoor Leadership Expedition	
REC 439	Challenge Course Facilitation	

REC 480	Travel-Based Learning in Recreation and Tourism
REC 482	Recreation Workshop
REC 493	Recreation Practicum
Or, other courses approved by the minor advisor.	
Total Hours	24

Physical Education, Bachelor of Science (587)

Program Coordinator

Keri A. Esslinger, keri.esslinger@wku.edu, (270) 745-6038

The major in Physical Education is designed to develop positive teaching skills in physical activity and to meet the need for qualified teachers in public/private schools, business settings, or community agencies. The major requires 79 semester hours for the Physical Education Teacher Education (PETE), 97 hours for the Physical Education Health Education concentration (PEHE), and 72 hours for the Physical Education Movement Studies concentration (PEMS), all of which lead to a Bachelor of Science in Physical Education.

Students who complete the professional education requirements with the PETE, and PEHE concentration, may be certified in the professional education program.

Concentrations

- Teacher Education (TCHR)
- Movement Studies (PEMS)
- Physical Education Teacher Education/Health Education (PEHE)

Program Requirements (78-97)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
Required Core Courses:		
PE 111	Movement Themes and Concepts I	3
PE 123	Movement Themes and Concepts II	3
PE 211	Net / Wall and Target Sports	3
PE 212	Striking / Fielding and Invasion Sports	3
PE 300	Lifespan Leisure & Recreation Activities	3
PE 310	Kinesiology	3
PE 311	Exercise Physiology	3
PE 313	Motor Development	3
PE 319	Adapted Physical Education	3
PE 320	Methods in Early and Middle Childhood Physical Education	3

PE 324	Measurement and Evaluation in Kinesiology	3
PE 390	Fitness / Wellness Applications	3
PETE 322	Field Experience in Physical Education I	2
SFTY 171	Safety and First Aid	1
Total Hours		39

Students need to select one of the three concentrations:

Physical Education Teacher Education Concentration (PETE)

Code	Title	Hours
BIOL 131 or BIOL 113 & BIOL 114	Human Anatomy and Physiology General Biology and General Biology Laboratory	4
LTCY 421	Content Area Reading in the Middle and Secondary Grades	3
SEC 478	Teaching Physical Education	3
PETE 415	Field Experience in Physical Education II	2
EDU 250	Discover Teaching: Introduction to Teacher Education	3
EDU 260	Classroom Assessment	3
EDU 350	Student Diversity and Differentiation	3
EDU 360	Behavior and Classroom Management in Education	3
PSY 310	Educational Psychology: Development and Learning	3
EDU 489	Student Teaching Seminar	3
ELED 490	Student Teaching	5
MGE 490 or SEC 490	Student Teaching	5
Total Hours		40

Physical Education Teacher Education with Health Education Teacher Education Concentration (PEHE)

Code	Title	Hours
HMD 211	Human Nutrition	3
LTCY 421	Content Area Reading in the Middle and Secondary Grades	3
SEC 483	Teaching Health	3
PETE 415	Field Experience in Physical Education II	2
PH 261	Foundations of Public Health Education	3
PH 365	Human Sexuality	3
PH 381	Public and Community Health	3
PH 461	Comprehensive School Health Program	3
PH 467	Drug Abuse Education	3
BIOL 131	Human Anatomy and Physiology	4

EDU 250	Discover Teaching: Introduction to Teacher Education	3
EDU 260	Classroom Assessment	3
EDU 350	Student Diversity and Differentiation	3
EDU 360	Behavior and Classroom Management in Education	3
PSY 310	Educational Psychology: Development and Learning	3
EDU 489	Student Teaching Seminar	2,3
ELED 490	Student Teaching	5
MGE 490 or SEC 490	Student Teaching	5
Total Hours		57-58

Physical Education Movement Studies (Non-Certification) Concentration

Code	Title	Hours
BIOL 131 or BIOL 113 & BIOL 114	Human Anatomy and Physiology General Biology and General Biology Laboratory	4
PEMS 426	Physical Education Movement Studies Practicum II	2
PE 497	Advanced Principles of Coaching	3
PE 312	Basic Athletic Training	3
Advisor Approved Electives ¹		21
Total Hours		33

¹ 15 hours must be at 300 level or above. It is highly recommended to earn a certificate or minor. Pre-approved courses include HMD 211, PE 291, SPM 200, REC 2**, REC 3**, REC 4**, PH 2**, PH 3**, PH 4**, EXS 325, EXS 296.

Students majoring in Physical Education are required to meet with their advisor before enrolling for the next semester.

Students must maintain a "C" or better in all coursework for this major. Students in the PETE AND PEHE concentrations must meet all requirements for admission into the teacher education program and be admitted into teacher education prior to registering for PETE 415. All PEHE majors also need to declare the Health Education minor for certification purposes.

Finish in Four Plans Movement Studies Concentration

First Year			
Fall	Hours	Spring	Hours
COMM 145		3 MATH 109 or MATH 116	3
HIST 101 or HIST 102		3 ENG 100	3
PH 100		3 BIOL 131, BIOL 113, or BIOL 114	4
Colonnade - Arts & Humanities		3 PE 123	3
Colonnade - Natural & Physical Sciences (not Biology)		3 Major/Minor/Elective	3
		15	16

Second Year			
Fall	Hours	Spring	Hours
ENG 200		3 ENG 300	3
HMD 211		3 PE 212	3
PE Advisor Approved Elective		3 General Elective or World Language (if needed)	3
PE 111		3 PE Advisor Approved Elective - Upper Division	3
PE 211		3 PE 313	3
SFTY 171		1	
		16	15

Third Year			
Fall	Hours	Spring	Hours
PH 365 (or other Connections - Social & Cultural)		3 Connections - Local to Global	3
PE 310		3 PE 311	3
PE 291 (or other PE Elective)		3 PE 320	3
PE 390		3 PE 324	3
PE Advisor Approved Elective - Upper Division		3 PETE 322	2
		15	14

Fourth Year			
Fall	Hours	Spring	Hours
PE 300		3 PE 319	3
PE 312		3 PEMS 426	2
PE Advisor Approved Elective - Upper Division		3 PE 497	3
PE Advisor Approved Elective - Upper Division		3 PE Advisor Approved Elective - Upper Division	3
Major/Minor/Elective		3 Major/Minor/Elective	3
		15	14

Total Hours 120

Teacher Education Concentration

First Year			
Fall	Hours	Spring	Hours
COMM 145		3 MATH 109 or MATH 116	3
HIST 101 or HIST 102		3 ENG 100	3
PH 100		3 EDU 250	3
Colonnade - Natural & Physical Sciences (not Biology)		3 BIOL 131, BIOL 113, or BIOL 114	4
Colonnade - Arts & Humanities		3 PE 123	3
		15	16

Second Year			
Fall	Hours	Spring	Hours
ENG 200		3 ENG 300	3
EDU 260		3 PE 212	3
HMD 211		3 PH 365 (or World Language (if needed))	3
PE 111		3 PSY 310	3
PE 211		3 EDU 350	3
		15	15

Third Year			
Fall	Hours	Spring	Hours
PE 310		3 PE 311	3

PE 291 (or other elective)	3 PE 319	3
PE 390	3 PE 320	3
PE 313	3 PETE 322	2
EDU 360	3 PE 324	3
SFTY 171	1 PH 365 (if not taken earlier)	3
		16
		17

Fourth Year			
Fall	Hours	Spring	Hours
PE 300		3 EDU 489	3
PETE 415		2 ELED 490	5
LTCY 421		3 SEC 490 or MGE 490	5
SEC 478		3	
Connections - Local to Global		3	
Major/Minor/Elective		2	
		16	13

Total Hours 123

Teacher Education Health Education Concentration

First Year			
Fall	Hours	Spring	Hours
COMM 145		3 MATH 109 or MATH 116	3
HIST 101 or HIST 102		3 ENG 100	3
PH 100		3 EDU 250	3
Colonnade - Natural & Physical Sciences (not Biology)		3 BIOL 131	4
Colonnade - Arts & Humanities		3 PE 123	3
		15	16

Second Year			
Fall	Hours	Spring	Hours
ENG 200		3 ENG 300	3
EDU 260		3 PE 212	3
HMD 211		3 Connections - Local to Global	3
PE 111		3 PSY 310	3
PE 211		3 EDU 350	3
SFTY 171		1 PE 313	3
		16	18

Third Year			
Fall	Hours	Spring	Hours
PE 310		3 PE 311	3
PH 261		3 PE 319	3
PE 390		3 PE 320	3
PH 365		3 PETE 322	2
EDU 360		3 PE 324	3
PH 381		3 PH 467	3
		18	17

Fourth Year			
Fall	Hours	Spring	Hours
PE 300		3 EDU 489	3
PETE 415		2 ELED 490	5
LTCY 421		3 SEC 490 or MGE 490	5
SEC 483		3	
PH 461		3	
		14	13

Total Hours 127

Recreation, Park, and Nonprofit Administration, Bachelor of Science (5010)

Program Coordinator

Raymond A. Poff, raymond.poff@wku.edu, (270) 745-2498

The major in Recreation, Park, and Nonprofit Administration prepares students for numerous and exciting careers in the nonprofit, government, and private sectors. These careers are designed to help individuals, families, and communities improve their quality of life. Students pursue a concentration in: Essentials of Recreation, Parks Events and Tourism (30-36 hours); Comprehensive Study of Recreation, Parks, Events, and Tourism (48 hours); or Nonprofit Administration (48 hours).

The major requires a minimum of 30-48 semester hours and leads to a Bachelor of Science degree. It is accredited by The Council on Accreditation of Parks, Recreation, Tourism, and Related Professions.

Key career areas in Recreation and Park Administration include: community recreation, outdoor recreation, recreational sport, event management, tourism, nonprofit organizations, campus recreation, recreation business, and Armed Forces recreation.

Key career areas in Nonprofit Administration include, arts, culture, humanities, community development, disability services, disaster relief, education, environment, food, fundraising, healthcare, museums, nature, professional organizations, recreation, science, seniors, sports, wildlife, youth services, and NGOs (Non-governmental organizations) - international nonprofits.

For more information on career opportunities related to this major, please visit, <https://www.wku.edu/recreation/career-ops.php>.

Concentrations

- Comprehensive Study of Recreation, Parks, Events, and Tourism (RECS)
- Essentials of Recreation, Parks, Events, and Tourism (REER)
- Nonprofit Administration (RENA)

Program Requirements (30-48 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

The major requires a minimum of 30-48 semester hours and leads to a Bachelor of Science degree.

Students in this major will complete:

- Core courses (18 hours).
- Internship experience (9-12 hours).
- Additional concentration coursework (3-18 hours).

Core Courses

Code	Title	Hours
REC 200	Recreation in Society	3
REC 302	Recreation Leadership	3
REC 306	Experience Planning and Evaluation	3
REC 328	Inclusive Recreation	3
REC 402	Fiscal Practices in Recreation	3
REC 406	Recreation Administration	3
Total Hours		18

The three concentrations available to choose from include:

- Essentials of Recreation, Parks, Events, and Tourism (30-36 hours);
- Comprehensive Study of Recreation, Parks, Events, and Tourism (48 hours);
- Nonprofit Administration (48 hours).

Essentials of Recreation, Parks, Events, and Tourism Concentration*

Code	Title	Hours
Students will complete the core courses as detailed above, plus the following requirements:		
Internship Experience:		
REC 490	Internship in Recreation	9
Complete 3-9 hours of REC courses (unduplicated) from REC 2**, REC 3**, REC 4**, or other courses approved by major advisor.		3-9
Total Hours		12-18

* Students in this concentration will also need to complete a certificate, minor, or second major. The combination must include at least 54 hours (48 unduplicated). For a list of popular programs to pair with this concentration, please visit www.wku.edu/recreation (<https://www.wku.edu/recreation/>).

Comprehensive Study of Recreation, Parks, Events, and Tourism Concentration

Code	Title	Hours
Students will complete the core courses as detailed above, plus the following requirements:		
Internship Experience:		12
REC 490	Internship in Recreation	
Or		
REC 490 & REC 493	Internship in Recreation and Recreation Practicum	
REC 320	Professional Development in Recreation	3
REC 338	Parks, Recreation, and Quality of Life	3
Complete 6 hours (unduplicated) from REC 2**, REC 3**, or REC 4**.		6
Complete 6 hours (unduplicated) from the following:		6
REC 2**, 3**, or 4**		
SPM 200	Introduction to Sport Management	
SPM 300	Public Policy in Sport	
SPM 305	Sport Event Management	

SPM 310	Sport Ethics and Moral Issues
SPM 315	Sport Communication
SPM 404	Sport Facility Management
SPM 450	Sport Law
PE 211	Net / Wall and Target Sports
PE 212	Striking / Fielding and Invasion Sports
PE 300	Lifespan Leisure & Recreation Activities
PE 319	Adapted Physical Education
PE 340	Football Coaching
PE 341	Basketball Coaching
PE 342	Track and Field Coaching
PE 343	Baseball Coaching
EXS 122	Foundations of Kinesiology
EXS 223	Introduction to Exercise Science
HMD 271	Tourism Planning and Development
HMD 373	Hospitality and Tourism Marketing
HMD 375	Meeting and Convention Management
HMD 475	Advanced Hospitality Event Planning
MKT 220	Basic Marketing Concepts
MKT 331	Social Media Marketing
MGT 210	Organization and Management
MGT 333	Management of Nonprofit Organizations
ACCT 220	Principles of Financial Accounting
ENT 312	Entrepreneurship
PS 340	Principals of Public Administration
Or, other courses approved by major advisor	

Total Hours **30**

Nonprofit Administration Concentration

Code	Title	Hours
Students will complete the core courses as detailed above, plus the following requirements:		
Internship Experience:		12
REC 490	Internship in Recreation	
Or		
REC 490 & REC 496	Internship in Recreation and Nonprofit Internship	
REC 320	Professional Development in Recreation	3
REC 338	Parks, Recreation, and Quality of Life	3
REC 220	Understanding the Nonprofit Sector	3
REC 460	Grant Writing for Nonprofit Organizations	3
MGT 333	Management of Nonprofit Organizations	3
or PS 340	Principals of Public Administration	
MKT 220	Basic Marketing Concepts	3

Or other courses approved by major advisor	
Total Hours	30

Finish in Four Plans

Four Year Plans

Comprehensive Study of Recreation, Parks, Events, and Tourism Concentration

First Year					
Fall	Hours	Spring	Hours		
COMM 145		3 ENG 100		3	
Colonnade - Natural & Physical Sciences		3 Colonnade: Natural & Physical Sciences with Lab		3	
HIST 101 or HIST 102		3 MATH 109, MATH 116, or MATH 183		3	
Colonnade: Arts & Humanities		3 REC 302		3	
REC 200 (Colonnade - Social & Behavioral)		3 Major/Minor/ Cert/Elective or World Language (if needed)		3	
		15			15
Second Year					
Fall	Hours	Spring	Hours	Summer	Hours
ENG 200		3 REC 328		3 Major/Minor/ Cert/Elective	3
REC 306		3 ENG 300		3	
Major/Minor/ Cert/Elective		3 Major/Minor/ Cert/Elective		3	
Major/Minor/ Cert/Elective		3 Major/Minor/ Cert/Elective		3	
Major/Minor/ Cert/Elective		3 REC 338 (Connections - Local to Global)		3	
		15			15
					3

Third Year					
Fall	Hours	Spring	Hours		
REC 320		3 REC 402		3	
Major/Minor/ Cert/Elective		3 Connections - Systems		3	
Major/Minor/ Cert/Elective		3 Major/Minor/ Cert/Elective		3	
Major/Minor/ Cert/Elective		3 Major/Minor/ Cert/Elective		3	
Connections - Social and Cultural		3 Major/Minor/ Cert/Elective		3	
		15			15

Fourth Year					
Fall	Hours	Spring	Hours		
REC 406		3 REC 490		12	
Major/Minor/ Cert/Elective		3			
Major/Minor/ Cert/Elective		3			
Major/Minor/ Cert/Elective		3			

Major/Minor/ Cert/Elective	3	
	15	12
Total Hours 120		

Essentials of Recreation, Parks, Events, and Tourism Concentration

First Year					
Fall	Hours	Spring	Hours		
COMM 145		3 ENG 100		3	
Colonnade: - Natural & Physical Sciences		3 Colonnade: Natural & Physical Sciences with Lab		3	
HIST 101 or HIST 102		3 MATH 109, MATH 116, or MATH 183		3	
Colonnade: Arts & Humanities		3 REC 302		3	
REC 200		3 Major/Minor/ Cert/Elective or World Language (if needed)		3	
	15		15		

Second Year					
Fall	Hours	Spring	Hours	Summer	Hours
ENG 200		3 REC 328		3 Major/Minor/ Cert/Elective	3
REC 306		3 ENG 300		3	
Major/Minor/ Cert/Elective		3 Major/Minor/ Cert/Elective		3	
Major/Minor/ Cert/Elective		3 Major/Minor/ Cert/Elective		3	
Major/Minor/ Cert/Elective		3 Connections - Local to Global		3	
	15		15		3

Third Year					
Fall	Hours	Spring	Hours		
Major/Minor/ Cert/Elective		3 REC 402		3	
Major/Minor/ Cert/Elective		3 Connections - Systems		3	
Major/Minor/ Cert/Elective		3 Major/Minor/ Cert/Elective		3	
Major/Minor/ Cert/Elective		3 Major/Minor/ Cert/Elective		3	
Connections - Social and Cultural		3 Major/Minor/ Cert/Elective		3	
	15		15		

Fourth Year					
Fall	Hours	Spring	Hours		
REC 406		3 REC 490		12	
Major/Minor/ Cert/Elective		3			
Major/Minor/ Cert/Elective		3			
Major/Minor/ Cert/Elective		3			

Major/Minor/ Cert/Elective	3	
	15	12
Total Hours 120		

Nonprofit Administration Concentration

First Year					
Fall	Hours	Spring	Hours		
COMM 145		3 ENG 100		3	
Colonnade: Natural & Physical Sciences		3 Colonnade: Natural & Physical Sciences with lab		3	
HIST 101 or HIST 102		3 MATH 109, MATH 116, or MATH 183		3	
Colonnade: Arts & Humanities		3 REC 302		3	
REC 200		3 Major/Minor/ Cert/Elective or World Language (if needed)		3	
	15		15		

Second Year					
Fall	Hours	Spring	Hours	Summer	Hours
ENG 200		3 REC 328		3 Major/Minor/ Cert/Elective	3
REC 306		3 ENG 300		3	
REC 220		3 MKT 220		3	
Major/Minor/ Cert/Elective		3 Major/Minor/ Cert/Elective		3	
Major/Minor/ Cert/Elective		3 REC 338 (Connections - Local to Global)		3	
	15		15		3

Third Year					
Fall	Hours	Spring	Hours		
REC 320		3 REC 402		3	
MGT 333 or PS 340		3 Connections - Systems		3	
Major/Minor/ Cert/Elective		3 REC 460		3	
Major/Minor/ Cert/Elective		3 Major/Minor/ Cert/Elective		3	
Connections - Social and Cultural		3 Major/Minor/ Cert/Elective		3	
	15		15		

Fourth Year					
Fall	Hours	Spring	Hours		
REC 406		3 REC 490		12	
Major/Minor/ Cert/Elective		3			
Major/Minor/ Cert/Elective		3			
Major/Minor/ Cert/Elective		3			
Major/Minor/ Cert/Elective		3			
	15		12		

Total Hours 120		
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Sport Management, Bachelor of Science (572P, 572)

Program Coordinator

Stacey A. Forsythe, stacey.forsythe@wku.edu, (270) 745-4238

The Bachelor of Science degree in Sport Management is a program which prepares students for a variety of successful careers within the sport industry. Course work focuses on key content areas including; sport management and leadership principles, operations, event & venue management, governance, ethics, marketing, legal, financial and integrative experiences.

Admission Requirements

To be admitted to the program, students must have

- a minimum of an overall WKU GPA of 2.25.
- completed the following courses with a grade of C or higher: COMM 145, ECON 202, MKT 220, SPM 200, and MGT 210.
- submitted a complete application including resume.

Program Requirements (63 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
Core Courses		
SPM 200	Introduction to Sport Management	3
SPM 290	Sport Management Seminar	3
SPM 310	Sport Ethics and Moral Issues	3
SPM 404	Sport Facility Management	3
SPM 402	Fiscal Practices in Sport Management	3
SPM 450	Sport Law	3
SPM 452	Sport Leadership and Management	3
SPM 454	Sport Governance	3
SPM 490	Internship in Sport	12
COMM 145	Fundamentals of Public Speaking and Communication	3
ECON 202	Principles of Economics (Micro)	3
MKT 220	Basic Marketing Concepts	3
MGT 210	Organization and Management	3
Electives		
Select 15 hours of the following:		15
PR 255	Fundamentals of Public Relations	
REC 220	Understanding the Nonprofit Sector	
REC 420	Recreation and Tourism	
REC 422	Campus Recreation	
REC 480	Travel-Based Learning in Recreation and Tourism	

SPM 300	Public Policy in Sport
SPM 305	Sport Event Management
SPM 456	Advance Studies in Sport
ECON 323	Sports Economics
ENT 312	Entrepreneurship
MKT 326	Sports Marketing
MKT 331	Social Media Marketing
SOCL 324	Sociology of Sport
SPM 315	Sport Communication
PSY 340	Sport Psychology

Total Hours **63**

Prior to being allowed to take the SPM 490 course, students must have completed all courses required in the major except SPM 490 and must have a minimum 2.8 GPA in all major courses. The remaining hours required to meet the university's requirement of 120 hours should be used to either: 1) take other electives of interest to the student or 2) select a minor that best prepares them for entry-level positions related to their interest within the sport industry. Complementary minors include but are not limited to: athletic coaching, broadcasting, business administration, economics, finance, nonprofit administration, and facility and event management.

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
COMM 145		3 MATH 109 or MATH 116	3
HIST 101 or HIST 102		3 ENG 100	3
SPM 200		3 Major/Minor/Elective or World Language (if needed)	3
Colonnade - Arts & Humanities		3 Major/Minor/Elective	3
Colonnade - Natural & Physical Sciences with Lab		3 Colonnade - Natural & Physical Sciences	3
		15	15
Second Year			
Fall	Hours	Spring	Hours
ENG 200		3 ECON 202	3
MKT 220		3 Major/Minor/Elective	3
MGT 210		3 Connections - Local to Global	3
Major/Minor/Elective		3 Connections - Systems	3
Connections - Social & Cultural		3 Major/Minor/Elective	3
		15	15
Third Year			
Fall	Hours	Spring	Hours
SPM 402		3 SPM 450	3
SPM 404		3 SPM 290	3
ENG 300		3 SPM 310	3
Major/Minor/Elective		3 Major/Minor/Elective	3
Major/Minor/Elective		3 Major/Minor/Elective	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
SPM 452		3 SPM 490	12
SPM 454		3	

Major/Minor/Elective	12	
	18	12

Total Hours 120

(http://wku.edu/degreepaths/19-20/documents/chhs/sport_management_572.pdf)

Tourism and Events, Minor (319)

Program Requirements (18-24 hours)

The Tourism and Events minor prepares students for exciting careers in one of the world's largest industries. These nonprofit, government, and private sector careers are designed to help individuals, families, and communities improve their quality of life. The minor provides flexible options for students and can be completed with 18 to 24 credit hours.

Code	Title	Hours
Students will complete 9 hours of Tourism and Event core courses:		9

REC 306	Experience Planning and Evaluation
REC 420	Recreation and Tourism
REC 480	Travel-Based Learning in Recreation and Tourism
or REC 493	Recreation Practicum
or REC 484	Advanced Studies in Recreation

Students will also complete 9-15 hours as follows: 9-15

Select 3-9 hours (unduplicated) from these tourism courses:

HMD 171	Introduction to Management in the Hospitality Industry
HMD 271	Tourism Planning and Development
HMD 373	Hospitality and Tourism Marketing
REC 480	Travel-Based Learning in Recreation and Tourism
REC 484	Advanced Studies in Recreation

Select 3-9 hours (unduplicated) from these event courses:

HMD 375	Meeting and Convention Management
HMD 475	Advanced Hospitality Event Planning
SPM 305	Sport Event Management
REC 480	Travel-Based Learning in Recreation and Tourism
REC 484	Advanced Studies in Recreation

Select 3-9 hours (unduplicated) from these electives:

REC 330	Foundations of Outdoor Recreation
REC 404	Recreation Facility Management
REC 426	Facility Planning and Design
REC 430	Recreation Resource Management
REC 434	Interpreting America's National Parks
REC 480	Travel-Based Learning in Recreation and Tourism
REC 484	Advanced Studies in Recreation
SPM 404	Sport Facility Management
ENT 312	Entrepreneurship
MKT 220	Basic Marketing Concepts

MKT 325	Personal Selling
MKT 331	Social Media Marketing
Total Hours	18-24

School of Nursing and Allied Health

Director: Dr. Mary Bennett

Health Sciences Complex, Office 2255

Phone: (270) 745-3391; Fax: (270) 745-3392

Website: <http://www.wku.edu/nursing> (<http://www.wku.edu/nursing/>)

Programs

The School of Nursing and Allied Health (SONAH) offers the following Nursing Programs: Associate of Science in Nursing (ASN), Bachelor of Science in Nursing (BSN), Master's Entry Professional Nursing (MEPN), Master of Science in Nursing (MSN), MSN to Doctorate in Nursing Practice (MSN-DNP), and BSN to Doctorate in Nursing Practice - Family Nurse Practitioner focus (BSN-DNP). The School of Nursing and Allied Health offers the following Allied Health Programs – Associate of Science in Dental Hygiene, Bachelor of Science in Dental Hygiene. The School of Nursing and Allied Health also houses the WKU College of Health and Human Services' Institute for Rural Health.

This catalog provides information about the undergraduate Nursing and Allied Health programs. For information about the graduate programs, see www.wku.edu/graduate (<https://www.wku.edu/graduate/>) or contact the program.

Program Accreditation

The Associate of Science in Nursing program at Western Kentucky University located in Bowling Green, Kentucky is accredited by the Accreditation Commission for Education in Nursing (ACEN), 3390 Peachtree Road NE, Suite 1400, Atlanta, GA 30326, (404) 975-5000, <https://www.acenursing.org/>.

The most recent accreditation decision made by the ACEN Board of Commissioners for the associate nursing program is Continuing Accreditation. View the public information disclosed by the ACEN regarding this program at <http://www.acenursing.us/accreditedprograms/programSearch.htm>.

The Baccalaureate, Masters, and Doctoral Nursing programs are accredited by:
Commission on Collegiate Nursing Education (CCNE)
655 K Street NW, Suite 750
Washington, DC 20001
(202) 887-6791
<http://www.ccnaccreditation.org> (<http://www.ccneaccreditation.org>)

All WKU nursing programs are approved by the Kentucky Board of Nursing.

The Associate and Baccalaureate Dental Hygiene programs are accredited by the Council of Dental Education/Commission on Dental Accreditation (CODA) of the American Dental Association.

Admission

Admission to the nursing and allied health programs is competitive and requires a separate application. Enrollment is limited and based on student qualifications, availability of faculty, and clinical resources.

Additional admission information and application deadlines are available on the School of Nursing and Allied Health website. Students interested in one of the SONAH programs should contact the program coordinator for the program of choice. See the individual programs listed below for phone and email information.

Colonnade Requirements and Regulations

When planning a program of study in the School of Nursing and Allied Health, each student should be aware of the University's academic requirements contained in this catalog in the chapter "Academic Information." Specific attention should be given to the subsections regarding (a) Academic Programs, (b) Colonnade Requirements and (c) Academic Requirements and Regulations. For the most current curriculum requirements, please review the program curriculum information located on the School of Nursing and Allied Health website at <http://www.wku.edu/nursing> (<http://www.wku.edu/nursing/>).

Upon acceptance into a School of Nursing and Allied Health program, students will be required to provide the following information/documentation:

- Professional Liability Insurance
- Immunization records
- Drug Screen
- Annual Tuberculin (TB) test
- Completed medical exam
- Criminal Background check
- Current medical history
- Cardiopulmonary Resuscitation Certification (CPR)
- Health Insurance
- Annual Influenza Vaccination

The Kentucky Board of Nursing (KBN) requires a criminal background check when applying for a Registered Nurse (RN) license and rejects candidates with some types of misdemeanors and any felony conviction. Therefore, students will be required to disclose any felony or misdemeanor convictions at the time of application to the nursing program and have a criminal background check and drug screen upon acceptance into the program and at random intervals throughout the program. Additionally, there may be certifications, training seminars, or other requirements specified by the program, facility, or agency that students must meet in order to be eligible for a clinical experience. Students will be responsible for purchasing uniforms as described in the student handbook and any necessary supplies. Students are responsible for program, testing and course fees each semester in addition to the regular tuition. See the School of Nursing website for most current fee information. Students are responsible for providing transportation to and from off-campus experiences. It is expected that prospective students review the School of Nursing Student Handbook for additional information on policies, regulations, and requirements.

Core Performance Standards for Nursing Students

These are the Southern Regional Educational Board approved technical standards for students in nursing programs. These standards must be met by all nursing students with or without reasonable accommodation. Students with disabilities who require accommodation (academic adjustment and/or auxiliary aids or services) to meet the core performance standards must contact the Student Accessibility

Resource Center (SARC) and obtain an evaluation of any necessary accommodations prior to entering the WKU nursing programs. Please see the student handbook located on the School of Nursing website at <http://www.wku.edu/nursing> (<http://www.wku.edu/nursing/>) for more information.

Degrees

- Dental Hygiene (Associate of Science) (226P, 226) (p. 379)
- Dental Hygiene, Bachelor of Science (524P, 524) (p. 380)
- Nursing, Associate of Science in Nursing (273P, 273) (p. 382)
- Nursing, Bachelor of Science in Nursing (586P, 586) (p. 383)

Faculty Dental Hygiene (Associate of Science) (226P, 226)

Program Coordinator

Joseph W. Evans, joseph.evans@wku.edu, (270) 745-6274

Program Accreditation

Commission on Dental Accreditation (Program of Dental Hygiene).

Allied health is defined as all the professional, technical and supportive workers in patient care, public health and health research. Allied health professions encompass a wide distribution of personnel with various levels of health education and training, which enables them to function as a member of the health care team.

Program of Dental Hygiene

Students with an interest in the program of dental hygiene may contact the dental hygiene program coordinator. When planning a program of study in this program, each student should be aware of the University's academic requirements and regulations contained in this catalog in the chapter "Academic Information." Specific attention should be given to the subsections in the chapter entitled (a) Academic Programs, (b) Colonnade Program Requirements and (c) Academic Requirements and Regulations. Students should be aware that this academic program might require additional scholastic regulations and standards not specified in the catalog. To obtain a copy of these regulations, students should contact the program office.

Enrollment in the program of dental hygiene is limited and special admission information and other special rules, standards and requirements should be obtained directly from the program office (Academic Complex, Room 236G) or from the program website (<https://www.wku.edu/dentalhygiene/>).

The dental hygiene associate degree curriculum is designed primarily to prepare the graduate hygienist to effectively practice as a respected member of the dental hygiene profession. The education also provides the student with knowledge, skills and attitudes that will enable him or her to serve as a community resource in matters of dental disease prevention and sound dental health practices.

The educational experience offered prepares the graduate hygienist to effectively carry out the duties as prescribed by licensure. Hygienists are prepared for varied career opportunities, which include the following settings: general dentistry practice, specialty practices, public health,

military installations, hospitals or clinics, research facilities or public school dental hygiene.

Although 14 hours of Colonnade courses (including Anatomy & Physiology and Microbiology) are prerequisites, most beginning dental hygiene students will have successfully completed one or more years of college.

The associate degree in dental hygiene requires a minimum of 83 unduplicated semester hours. The associate degree may be completed in five semesters and one summer term. Requirements are outlined below.

Prerequisites for Admission into the Major

Code	Title	Hours
BIOL 131	Human Anatomy and Physiology	4
BIOL 207	General Microbiology	3
BIOL 208	General Microbiology Laboratory	1
ENG 100	Introduction to College Writing	3
PSY/PSYS 100	Introduction to Psychology	3
Total Hours		14

Program Requirements (53 hours):

Code	Title	Hours
Core Courses		
DH 201	Dental Radiology I	2
DH 204	Periodontics	3
DH 206	Dental Pharmacology	3
DH 210	Dental Materials and Expanded Functions in Restorative Dentistry I	2
DH 212	Oral Anatomy	3
DH 222	Preventive Dental Hygiene Care	2
DH 226	Dental Materials and Expanded Functions in Restorative Dentistry II	2
DH 230	Oral Histology and Embryology	3
DH 270	Pre-Clinical Dental Hygiene	3
DH 271	Clinical Dental Hygiene I	4
DH 302	Dental Radiology II	2
DH 303	Community Dental Health	4
DH 307	General and Oral Pathology	3
DH 309	Pain Control in Dentistry	4
DH 324	Practice Management and Ethics	3
DH 370	Clinical Dental Hygiene II	5
DH 371	Clinical Dental Hygiene III	5
Total Hours		53

Additional Courses

Code	Title	Hours
HMD 211	Human Nutrition	3
CHEM 109	Chemistry for the Health Sciences	4
COMM 145	Fundamentals of Public Speaking and Communication	3
SOCL 100	Introductory Sociology	3
Total Hours		13

Dental Hygiene, Bachelor of Science (524P, 524)

Program Coordinator

Joseph W. Evans, joseph.evans@wku.edu, (270) 745-6274

Program Accreditation

Commission on Dental Accreditation (Program of Dental Hygiene).

Allied health is defined as all the professional, technical and supportive workers in patient care, public health and health research. Allied health professions encompass a wide distribution of personnel with various levels of health education and training, which enables them to function as a member of the health care team.

Programs of Dental Hygiene

Students with an interest in the program of dental hygiene may contact the dental hygiene program coordinator. When planning a program of study in this program, each student should be aware of the University's academic requirements and regulations contained in this catalog in the chapter "Academic Information." Specific attention should be given to the subsections in the chapter entitled (a) Academic Programs, (b) Colonnade Program Requirements and (c) Academic Requirements and Regulations. Students should be aware that this academic program might require additional scholastic regulations and standards not specified in the catalog. To obtain a copy of these regulations, students should contact the program office.

Enrollment in the program of dental hygiene is limited and special admission information and other special rules, standards and requirements should be obtained directly from the program office (Academic Complex, Room 236G) or from the program website (<https://www.wku.edu/dentalhygiene/>).

The baccalaureate degree curriculum is designed to prepare dental hygienists with a background for teaching, for organization and management, for research, as well as for clinical dental hygiene.

The educational experience offered prepares the graduate hygienist to effectively carry out the duties as prescribed by licensure. Hygienists are prepared for varied career opportunities, which include the following settings: general dentistry practice, specialty practices, public health, military installations, hospitals or clinics, research facilities or public school dental hygiene.

Although 14 hours of Colonnade courses (including Anatomy & Physiology and Microbiology) are prerequisites, most beginning dental hygiene students will have successfully completed one or more years of college.

Transfer students with an associate degree from a dental hygiene program accredited through the American Dental Association's Commission on Dental Accreditation receive a 12-hour waiver in the overall upper-division hour requirement and a 16-hour waiver in the major upper-division hour requirement.

Program Requirements (66-78 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/

registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

For admission to the program, students must complete the following prerequisites.

Prerequisites for Admission in to the Major

Code	Title	Hours
BIOL 131	Human Anatomy and Physiology	4
BIOL 207	General Microbiology	3
BIOL 208	General Microbiology Laboratory	1
ENG 100	Introduction to College Writing	3
PSY/PSYS 100	Introduction to Psychology	3
Total Hours		14

Program Requirements

Code	Title	Hours
Core Courses		
DH 201	Dental Radiology I	2
DH 204	Periodontics	3
DH 206	Dental Pharmacology	3
DH 210	Dental Materials and Expanded Functions in Restorative Dentistry I	2
DH 212	Oral Anatomy	3
DH 222	Preventive Dental Hygiene Care	2
DH 226	Dental Materials and Expanded Functions in Restorative Dentistry II	2
DH 230	Oral Histology and Embryology	3
DH 270	Pre-Clinical Dental Hygiene	3
DH 271	Clinical Dental Hygiene I	4
DH 302	Dental Radiology II	2
DH 303	Community Dental Health	4
DH 304	Advanced Periodontology	4
DH 307	General and Oral Pathology	3
DH 309	Pain Control in Dentistry	4
DH 323	Research Methods	3
DH 324	Practice Management and Ethics	3
DH 370	Clinical Dental Hygiene II	5
DH 371	Clinical Dental Hygiene III	5
Total Hours		60

Additional Courses for both tracks

Code	Title	Hours
COMM 145	Fundamentals of Public Speaking and Communication	3
HMD 211	Human Nutrition	3
SOCL 100	Introductory Sociology	3
CHEM 109	Chemistry for the Health Sciences	4
Total Hours		13

Education Track

A degree in dental hygiene *with education track* requires 126 semester hours, including 78 hours in the major, and leads to a Bachelor of Science degree. The curriculum may be completed in eight semesters and one summer term within four years.

Code	Title	Hours
FACS 381	Methods and Materials in Family and Consumer Sciences Education	3
DH 330	Clinical Teaching I	4
DH 340	Clinical Teaching II	4
DH 350	Clinical Teaching III	4
PH 383	Biostatistics in the Health Sciences	3
Total Hours		18

Without Education Track

A degree in dental hygiene without education track requires 120 semester hours, including 66-67 hours in the major, and leads to a Bachelor of Science degree. The curriculum may be completed in eight semesters and one summer term within four years.

Code	Title	Hours
Select 6-7 hours from the following:		6-7
CHEM 304	Biochemistry for the Health Sciences	
COMM 330	Leadership Communication	
COMM 345	Advanced Public Speaking	
COMM 346	Persuasion	
COMM 348	Interpersonal Communication	
COMM 349	Small Group Communication	
COMM 362	Organizational Communication	
COMM 374	Gender Communication	
COMM 440	Health Communication	
HCA 340	Health Care Organization and Management	
HCA 347	International Comparisons of Health Care Systems	
PH 381	Public and Community Health	
PH 383	Biostatistics in the Health Sciences	
PH 384	Introduction to Epidemiology	
PH 462	Folklore and Medicine	
PH 464	Women's Health	
PH 484	Community Organization for Health Education	
PSY 310	Educational Psychology: Development and Learning	
PSY/PSYS 350	Social Psychology	
SOCL 342	Aging in Society	
SOCL 352	Technology, Work and Society	
SOCL 375	Diversity in American Society	
SOCL 450	Occupations and Professions	
Total Hours		6-7

Finish in Four Plans

Education Track

First Year

Fall	Hours	Spring	Hours
ENG 100		3 COMM 145	3
PSY 100 or PSYS 100		3 BIOL 207 & BIOL 208	4
MATH 109		3 HIST 101 or HIST 102	3
BIOL 131		4 CHEM 109	4
SOCL 100 (or World Language Requirement)		3	
16		14	

Second Year

Fall	Hours	Spring	Hours	Summer	Hours
DH 222		2 DH 271		4 DH 309	4
DH 270		3 DH 230		3	
DH 212		3 DH 206		3	
DH 210		2 DH 226		2	
DH 201		2 DH 204		3	
HMD 211		3			
15		15		4	

Third Year

Fall	Hours	Spring	Hours
DH 370		5 DH 304	4
DH 302		2 DH 371	5
DH 303		4 DH 323	3
DH 307		3 DH 324	3
SOCL 100 - if not previously taken		FACS 381	3
14		18	

Fourth Year

Fall	Hours	Spring	Hours
ENG 200		3 ENG 300	3
DH 330		4 DH 340	4
PH 383		3 DH 350	4
Colonnade - Social & Cultural		3 Colonnade - Arts & Humanities	3
Colonnade - Local to Global		3	
16		14	

Total Hours 126

Without Education Track

First Year

Fall	Hours	Spring	Hours
ENG 100		3 COMM 145	3
PSY 100 or PSYS 100		3 BIOL 207 & BIOL 208	4
MATH 109		3 HIST 101 or HIST 102	3
BIOL 131		4 CHEM 109	4
SOCL 100 (or World Language Requirement)		3	
16		14	

Second Year

Fall	Hours	Spring	Hours	Summer	Hours
DH 222		2 DH 271		4 DH 309	4
DH 270		3 DH 230		3	
DH 212		3 DH 206		3	
DH 210		2 DH 226		2	
DH 201		2 DH 204		3	
HMD 211		3			
15		15		4	

Third Year

Fall	Hours	Spring	Hours
DH 370		5 DH 304	4
DH 302		2 DH 371	5
DH 303		4 DH 323	3
DH 307		3 DH 324	3
SOCL 100 - if not previously taken or Major/ Minor/Elective		3	
17		15	

Fourth Year

Fall	Hours	Spring	Hours
ENG 200		3 ENG 300	3
Colonnade - Social & Cultural		3 Colonnade - Arts & Humanities	3
Colonnade - Local to Global		3 Major/Minor/ Elective	3
Major/Minor/ Elective		3 Major/Minor/ Elective	3
12		12	

Total Hours 120

Nursing, Associate of Science in Nursing (273P, 273)

Program Coordinator

Lora W. Moore, lora.moore@wku.edu, (270) 780-2508

The Associate of Science in Nursing (ASN) program assists Licensed Practical Nurses (LPNs) in ASN Program completion by offering online didactic delivery, scheduling options, challenge exams and credit for prior learning. The ASN Program prepares the graduate as a generalist to give nursing care in a variety of health care settings and provides the knowledge base for career mobility. ASN Program graduates are eligible to write the NCLEX exam to become a registered nurse.

Admission Requirements for Associate of Science in Nursing:

Applicants seeking admission to the ASN Program:

1. Submit the nursing program application by the designated deadline.
2. Submit application for admission to Western Kentucky University if not already enrolled.
3. Submit current LPN license.
4. Take the required admission assessment test.
5. Participate in an admission interview process if requested.
6. Applicants with less than 10 earned university credit hours must submit ACT examination results.

7. Applicants with 10 or more earned university credit hours must have a cumulative grade point average of 2.75 or greater or a minimum grade point average of 2.75 calculated using only the ASN program's required non-nursing courses.
8. Applicants who have completed college course/degrees at institutions other than WKU must submit a copy of his/her transcript to the ASN program with application as well as request an official transcript be sent to the WKU Office of Admissions, Potter Hall, Room 117, 270.745.2551 in order to receive transfer credit for required courses.

Upon admission to the ASN Program, and after successful completion of NUR 150, PSY 220 / PSYS 220, and BIOL 131, the licensed practical nurse will be awarded eight hours academic credit for NUR 104, NUR 105, and NUR 106.

LPNs may receive credit on the basis of departmental examinations for NUR 165, NUR 215, and NUR 254. LPNs must contact the ASN Program office for examination details. Additionally, LPNs may receive credit for prior learning for NUR 156, NUR 166, and NUR 216 after successful completion of each clinical course's didactic component.

Program Requirements (61 hours)

The ASN Program consists of coursework in nursing, supportive sciences and general education courses. The degree requires a minimum of 61 semester hours including 42 semester hours in Nursing courses plus 19 hours of other courses which include: BIOL 131, BIOL 207, PSY 220/PSYS 220, ENG 100, a 3 hour Quantitative Reasoning course, and one 3 hour Arts and Humanities (AH) course. A minimum grade of "C" is required in all NUR prefix courses, BIOL 131 and BIOL 207.

Code	Title	Hours
Required Courses		
NUR 104	Calculations for Nursing	1
NUR 105	Fundamentals of Nursing	6
NUR 106	Fundamentals of Nursing Clinical	1
NUR 150	LPN to RN Transition	1
NUR 155	Medical-Surgical Nursing I	6
NUR 156	Medical-Surgical Nursing I Clinical	2
NUR 157	Medical-Surgical Nursing I Skills Lab	1
NUR 165	Mental Health Nursing	3
NUR 166	Mental Health Nursing Clinical	1
NUR 208	Medical-Surgical Nursing II	5
NUR 209	Medical-Surgical Nursing IIClinical	3
NUR 215	Maternal-Newborn Nursing	2
NUR 216	Maternal-Newborn Nursing Clinical	1
NUR 254	Pediatric Nursing	2
NUR 255	Medical Surgical Nursing III	3
NUR 257	Nursing Seminar & Practicum	4
Additional Courses		
BIOL 131	Human Anatomy and Physiology	4
BIOL 207	General Microbiology	3
PSY/PSYS 220	Introduction to Lifespan Developmental Psychology	3
ENG 100	Introduction to College Writing	3
Select a Quantitative Reasoning course		3

Select an Arts and Humanities (AH) course	3
Total Hours	61

Nursing, Bachelor of Science in Nursing (586P, 586)

Program Coordinator

Lizbeth P. Sturgeon, liz.sturgeon@wku.edu, (270) 745-8769

The graduate with a Bachelor of Science in Nursing degree is prepared to be a professional nurse who is a generalist and who has the knowledge base for graduate study in nursing. The baccalaureate degree nurse is prepared to practice nursing in a variety of healthcare settings with emphasis on comprehensive nursing care including prevention of illness, health promotion, restoration, and rehabilitation. The graduate is prepared to function in the leadership roles of the professional nurse.

The Bachelor of Science in nursing program is designed to prepare the student to write the National Council Licensure Exam (NCLEX-RN) to become a registered nurse. Entry into the BSN program is at the junior level, following completion of all general education and nursing pre-requisite courses. The upper division BSN nursing program consists of four semesters of full-time study with 57 credit hours in the major. See School of Nursing and Allied Health website for example 4-year curriculum plan. Clinical hours are scheduled to meet clinical agency needs. Therefore, to avoid scheduling issues, it is required that students complete all non-nursing courses prior to entry into the nursing program. Students must progress as a cohort once admitted to the nursing program. Part-time progression is not currently available in the BSN program.

Pre-Nursing (586P)

Prior to admission into the nursing program, students are required to meet the university Colonnade (general education) requirements and a set of prerequisite courses required of all nursing students. Students who want to declare as a nursing major prior to admission into the nursing program are designated as Pre-Nursing students (reference 586P) and are assigned an advisor in Advising and Career Development Center. Pre-Nursing students will meet with advisors to discuss their academic preparation and determine the appropriate courses for registration. Pre-Nursing students must maintain a GPA of 2.75 or above to remain in the pre-nursing program. For more details and frequently asked questions about preparation for admission into nursing and deadlines for applications, please see the School of Nursing and Allied Health (SONAH) website.

Support services for CHHS are housed in the Advising and Career Development Center and are available to students who decide to change from Pre-Nursing to another health-related career.

Admission to the nursing program is limited and based on selection of the most qualified applicants who meet all admission requirements. The program can be completed in 4 years if the student completes all prerequisite courses, is admitted to the nursing program in the junior year and successfully completes all nursing courses in sequence.

Guaranteed Nursing Admission (GNA) to the WKU BSN program is available to first-time, full-time college freshmen and is not available for transfer students. Prior to completing the GNA application, you must apply for admission to WKU, submit your ACT scores and obtain a WKU ID number. See <https://www.wku.edu/atwku/admissions.php> for details.

Students seeking the GNA must have an ACT composite score of 23 or above. In addition, all students seeking entry into the WKU BSN program must be able to meet all nursing admission requirements. Please see the School of Nursing and Allied Health website for details.

If awarded a GNA, students must maintain a 3.0 GPA while a full-time student in the pre-nursing program. GNA students must also initially obtain a grade of "B" or above in the following courses: CHEM 109, BIOL 131, BIOL 231, BIOL 207, NURS 102, and NURS 324. All general education courses and nursing required prerequisite courses must be completed prior to entering the nursing program.

GNA students who maintain the above standards will be guaranteed admission to the WKU BSN program in either the Fall or Spring semester on or before the third year. If the GNA student is not able to enroll in the BSN program during this timeframe for any reason, the student will forfeit the GNA status and must reapply to the nursing program with the general applicant pool to compete for a space in the BSN program.

In addition to completion of Colonnade requirements, the following prerequisite/support courses must be completed prior to entry into the Bachelor of Science in Nursing program. Some nursing support courses may be used for both Colonnade and nursing prerequisites.

Required Pre-Nursing Curriculum for Bachelor of Science in Nursing Degree:

Code	Title	Hours
MATH 115 or MATH 116	Applied College Algebra College Algebra	3
BIOL 131	Human Anatomy and Physiology	4
BIOL 231	Advanced Human Anatomy and Physiology	4
PSY/PSYS 220	Introduction to Lifespan Developmental Psychology	3
NURS 324	Pathophysiology for Nursing	3
NURS 102	Introduction to Professional Nursing	3
CHEM 109	Chemistry for the Health Sciences	4
BIOL 207	General Microbiology	3
HMD 211	Human Nutrition	3
Select a statistics course from the following:		
ECON 206	Statistics	
MATH 183	Introductory Statistics	
PH 383	Biostatistics in the Health Sciences	
PSY 313 or PSYS 313	Statistics in Psychology Statistics in Psychology	
SOCL 300	Using Statistics in Sociology	
SWRK 344	Social Work Statistics and Data Analysis	

Admission Requirements for the Bachelor of Science in Nursing:

The student must also have completed all requirements for general education (WKU Colonnade Program or approved general education certification transferred to WKU) prior to entry into the upper division BSN program.

Be admitted to Western Kentucky University.

1. Complete all designated prerequisite courses.
2. Have an overall grade point average of 2.75 or above for college level courses.
3. Have attained a minimum of a "C" in NURS 102, NURS 324, BIOL 131/BIOL 231, BIOL 207, CHEM 109, MATH 115 or the selected Statistics course (ECON 206, MATH 183, PH 383, PSY 313/PSYS 313, SOCL 300 or SWRK 344). Anatomy and Physiology 1 and 2 must have been completed no more than 5 years prior to application to the nursing program and from the same institution. Students who have obtained a minimum grade of "C" in Anatomy and Physiology more than 5 years prior to application to the nursing program must either retake the courses, or demonstrate current competency by scoring a 77% or better on the Anatomy & Physiology section of the entrance exam prior to application to the nursing program.
4. Submit application to the School of Nursing and Allied Health by posted deadline on the website.
5. Students may be asked to participate in a preadmission interview and/or testing.

Required Pre-Nursing Curriculum and Admission Requirements for Second Degree Baccalaureate Students Concurrently Pursuing the Joint Undergraduate Master's Program (JUMP) in Nursing:

Required Pre-Nursing Curriculum and Admission Requirements for Second Degree Baccalaureate students concurrently pursuing the Joint Undergraduate Master's Program (JUMP) in Nursing. BIOL 131, BIOL 231, and HMD 211. The student must also have completed all requirements listed below prior to enrolling in upper division BSN coursework. If, after admission, a student does not wish to complete the JUMP program, but wishes to continue in the BSN prelicensure program, the student must complete NURS 324 Pathophysiology or other approved Pathophysiology (NURS 624 would meet this requirement) for them to continue in the BSN program.

1. Be admitted to Western Kentucky University
2. Bachelor's degree in any discipline other than nursing with a 3.0 or greater GPA.
3. Have attained a minimum of a "B" in HMD 211
4. Have attained a minimum of a "B" in BIOL 131 & BIOL 231
5. Have attained a minimum comprehensive score of 80 on the HESI entrance exam.
6. Submit applications to the School of Nursing for (a) BSN admission and (b) JUMP application for admission by posted deadlines on website.

Program Requirements (57 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Students are required to take the following 57 hours and earn a grade of “C” or higher in each course:

Code	Title	Hours
NURS 329	Concepts in Pharmacology I	2
NURS 333	Fundamentals of Nursing	3
NURS 334	Clinical: Fundamentals of Nursing	2
NURS 335	Health Assessment	3
NURS 336	Health Assessment Lab	1
NURS 337	Health Promotion and Disease Prevention	3
NURS 341	Medical-Surgical Nursing I	3
NURS 342	Clinical: Medical Surgical Nursing I	3
NURS 343	Mental Health Nursing	3
NURS 344	Clinical: Mental Health Nursing	1
NURS 403	Nursing Leadership, Management, and Professional Issues	4
NURS 413	Nursing Research and Evidence-Based Practice	3
NURS 421	High Acuity Nursing	3
NURS 422	Senior Practicum	4
NURS 429	Concepts in Pharmacology II	2
NURS 432	Medical-Surgical Nursing II	3
NURS 433	Clinical: Medical-Surgical Nursing II	3
NURS 444	Maternal Child Nursing	4
NURS 445	Clinical: Maternal Child Nursing	2
NURS 448	Community Health Nursing	3
NURS 449	Clinical: Community Health Nursing	2
Total Hours		57

First Year

Fall	Hours	Spring	Hours
ENG 100		3 ENG 200	3
BIOL 207		3 BIOL 131	4
MATH 115 or MATH 116		3 NURS 102	3
PSY 220		3 COMM 145	3
General Elective - AH/HIM 290 highly suggested		2 HIST 101 or HIST 102	3
General Elective		1	
		15	16

Second Year

Fall	Hours	Spring	Hours
ENG 300		3 NURS 324	3
BIOL 231		4 Social & Cultural Connection (NURS 415 suggested)	3
HMD 211		3 Local to Global Connection course	3
CHEM 109		4 Statistics (MATH 183 OR ECON 203 OR SWRK 344 OR SOCL 300 OR PSY 313	3

General Elective or World Language (if needed)	3 Arts and Humanities (E- AH)	3
		17
		15

Third Year

Fall	Hours	Spring	Hours
NURS 335		3 NURS 329	2
NURS 336		1 NURS 341	3
NURS 333		3 NURS 342	3
NURS 334		2 NURS 343	3
NURS 337		3 NURS 344	1
		NURS 413	3
		12	15

Fourth Year

Fall	Hours	Spring	Hours
NURS 429		2 NURS 403	4
NURS 432		3 NURS 421	3
NURS 433		3 NURS 422	4
NURS 444		4 NURS 448	3
NURS 445		2 NURS 449	2
		14	16

Total Hours 120

- A minimum grade of “C” is required in all nursing courses
- Students must pass both the class and clinical portion of each linked clinical nursing class in order to progress in the program. If one part is not passed, both parts must be repeated. Failure of both parts of a linked course will count as ONE course failure.

Course Descriptions

The following is a guide to using WKU's course descriptions. Note: Questions concerning registration in a specific course should be directed to the instructor of the course. To register in restricted courses or in courses for which you do not meet the prerequisite, students must get permission from the instructor.

Course Fees

Enrollment in some courses requires payment of an additional fee. Refer to www.wku.edu/bursar for specific course fees.

Course Numbering System

- **100-299** Primarily for freshmen and sophomores; such courses generally contain introductory, elementary or basic level content.
- **300-499** Primarily for juniors and seniors; courses contain advanced undergraduate level content.
- **400G-499G** Graduate courses, open only to graduate students unless exception approved.

Credit Hours

The number of credit hours is displayed in parentheses after the course title.

Equivalent Courses

Equivalent courses have different subject area prefixes but the same course number, title, abbreviated title, credit hours, prerequisites and / or corequisites, grade type (e.g., A – F, Pass / Fail) and catalog course listings.

Prerequisite

A prerequisite represents prior specific or general academic knowledge, background, or student classification required in order to enroll in a specific course.

Corequisite

A corequisite is a requirement which must be fulfilled concurrently with another course, unless successfully completed as a prerequisite.

Statewide General Education Codes

(Refer to the "Transfer of Credits" section of the catalog for more details.)

AH – Arts and Humanities
GE – General Elective
NS – Natural Sciences
OC – Oral Communication
QR – Quantitative Reasoning
SB – Social and Behavioral Sciences
SL – Science Lab
WC – Written Communication

WKU Colonnade Codes (General Education)

(Refer to the Colonnade section for more details.)

F-W1 Foundations: College Composition
F-W2 Foundations: Writing in the Disciplines

F-OC Foundations: Human Communication
F-QR Foundations: Quantitative Reasoning
F-AH Foundations: Literary Studies
F-SB Foundations: World History
E-AH Explorations: Arts & Humanities
E-SB Explorations: Social & Behavioral Sciences
E-NS Explorations: Natural & Physical Sciences
E-SL Explorations: Science Lab
K-SC Connections: Social & Cultural
K-LG Connections: Local to Global
K-SY Connections: Systems
K-IE Connections: International Experience

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Academy Math/Science (ACMS)

ACMS 175 Academy Seminar Experience 1 Hour (repeatable max of 3 hrs)

Restricted to Gatton Academy students. Taken during the first three semesters for Gatton Academy students. Addresses study skills, leadership, social and emotional intelligence, and critical thinking skills. May be repeated up to three hours credit.

Restriction(s): Enrollment limited to students with a semester level of Academy Junior or Academy Senior.

Enrollment is limited to students in Academy (Math Science) (997)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Accounting (South Campus) (ACC)

ACC 200C Introductory Accounting—Financial 3 Hours

Introduction to the basic accounting theories, concepts and principles used in gathering and reporting financial data of a business organization. Course focuses on the information provided to external users through financial statements. Emphasis is placed on preparing the statements, examining the statements' components, and interpreting the information reported.

Prerequisite(s): (MATH 116 or MATH 117 or MATH 126 or MATH 136 or MATH 119 or MATH 109 or MATH 118 or MATH 120 or MATH 116E or MA 109C or MA 116C or MA 117C)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; fall 2022

ACC 201C Introductory Accounting-Managerial 3 Hours

Introduces accounting concepts, practices, and tools for managerial decision making. This course is designed to provide an understanding of how financial and non-financial data are used in decision making and control. Topics typically include activity-based costing, cost behavior, job-order costing, process costing, cost-volume-profit analysis, flexible budgeting, relevancy costing, departmental cost allocation, and profit planning.

Prerequisite(s): (ACCT 200 or ACC 200C)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; fall 2022

Accounting (ACCT)

ACCT 110 Accounting for Decision Makers 3 Hours

This is an introductory course covering both financial and managerial accounting concepts, practices, and tools for decision making. Emphasis on financial accounting topics include effects of transactions on accounts, preparation of financial statements, and accounting for merchandising business while utilizing a no debit-credit framework. Managerial accounting topics covered include relevant costs, cost behavior and breakeven, product costing, and budgeting. Introduction of financial statement analysis will enhance the student's ability to utilize the accounting function in a decision making environment.

Recent Term(s) Offered: fall 2022

ACCT 220 Principles of Financial Accounting 3 Hours

This course expands on the introduction to financial accounting provided in ACCT 110. Focus is on the methods and procedures used to gather and report financial information about a business organization to external users. Emphasis is placed on the recording function, preparing the financial statements, examining the statements' components, and interpreting the information reported.

Prerequisite(s): ACCT 110

Recent Term(s) Offered: fall 2022

ACCT 300 Intermediate Financial Accounting I 3 Hours

A review of the financial accounting concepts, relationships, and procedures involved with preparing and interpreting financial statements. Includes an in-depth coverage of the valuation, measurement, and financial reporting issues associated with assets and liabilities.

Prerequisite(s): ACCT 220 with a minimum grade of B

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ACCT 301 Intermediate Financial Accounting II 3 Hours

A continuation of Intermediate Financial Accounting I with emphasis placed on certain specialized accounting subjects. Topics typically covered include, but are not limited to, long-term tangible and intangible assets, current and long-term liabilities, stockholders' equity, potentially dilutive securities and EPS.

Prerequisite(s): ACCT 110 with a minimum grade of B and ACCT 300 with a minimum grade of C

Recent Term(s) Offered: spring 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

ACCT 303 Intermediate Financial Accounting III 3 Hours

A continuation of Intermediate Financial Accounting II with emphasis placed on specialized accounting subjects. Topics typically covered include, but are not limited to, investments, revenue recognition, pensions, leases, accounting changes and error analysis, the statement of cash flows, and accounting for income taxes.

Prerequisite(s): ACCT 301 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Accounting (602)

Recent Term(s) Offered: spring 2020; fall 2020; winter 2021; spring 2021; fall 2021; spring 2022; fall 2022

ACCT 310 Managerial Cost Accounting 3 Hours

An in-depth study of cost accounting practices, including job order, process, normal, activity-based, and standard costing. Also examines accounting tools such as budgeting, cost-volume-profit analysis, relevant costing, and responsibility accounting that provide organizational managers with information for planning, decision-making, and control.

Prerequisite(s): ACCT 220 with a minimum grade of B and ACCT 110 with a minimum grade of B

Recent Term(s) Offered: spring 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

ACCT 311 Managerial Cost Accounting II 3 Hours

A continuation of ACCT 310, this course emphasizes cost accounting practices, including product costing, budgeting, standard costing, and variance analysis. Addresses accounting tools, such as responsibility accounting, that provide organizational managers with information for planning, decision-making, and control.

Prerequisite(s): ACCT 310 with a minimum grade of C

Recent Term(s) Offered: None

ACCT 312 Accounting Information Systems 3 Hours

A study of accounting information systems, traditional and contemporary, with hands-on experience with a manual accounting system and a computerized accounting system. Emphasis is on the transformation of data to information and the internal controls necessary in each environment.

Prerequisite(s): ACCT 300 with a minimum grade of C and ACCT 310 with a minimum grade of C and BDAN 305

Restriction(s): Enrollment is limited to students in Accounting (602)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ACCT 390 Internship in Accounting 3 Hours

Relevant and meaningful full time accounting-related work experience outside the classroom in a supervised setting with a cooperating business or not-for-profit organization. Note: Requires a minimum of six hours of upper-level accounting courses at WKU, a 2.75 GPA overall, a 2.5 GPA in upper-level accounting courses, and permission of the Chair of Accounting.

Prerequisite(s): ACCT 300 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Accounting (602)

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

ACCT 399 Career Readiness in Accounting 1 Hour

Introduction to preparation for a career in Accounting, including exposure to careers in accounting; certifications in the profession; development of professional writing skills, professional resumes and cover letters; oral communications; interviewing skills; goalsetting; ethical standards; and professional networking. This course is limited to juniors and seniors in the Accounting program.

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Enrollment is limited to students in Accounting (602)

Recent Term(s) Offered: fall 2022

ACCT 401 Business Combinations and Related Topics 3 Hours

Emphasis is placed on the issues involved in business combinations, including the preparation of consolidated financial statements. Other topics typically covered include partnerships, interim and segment reporting, international accounting, and foreign currency transactions and translations.

Prerequisite(s): ACCT 303 (may be taken concurrently) with a minimum grade of C

Restriction(s): Enrollment is limited to students in Accounting (602)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ACCT 402 Contemporary Accounting Issues 3 Hours

A study of contemporary problems in financial accounting. Emphasis placed on the study and evaluation of pronouncements of various organizations concerned with the development of accounting principles and practices. Helps broaden the student's concept and understanding of accounting into a meaningful discipline.

Prerequisite(s): ACCT 303 (may be taken concurrently) with a minimum grade of C

Restriction(s): Enrollment is limited to students in Accounting (602)

Recent Term(s) Offered: None

ACCT 410 Critical Thinking in Managerial Accounting 3 Hours

An exploration of advanced topics in managerial and cost accounting with an emphasis on enhancing student skills in data analysis, data analysis tools such as Excel, critical thinking, and decision-making.

Prerequisite(s): ACCT 310 with a minimum grade of C

Recent Term(s) Offered: spring 2022; fall 2022

ACCT 412 Data Analysis for Accounting 3 Hours

This course provides an enhancement of the data analysis tools/techniques used in the accounting profession. Included is an enhanced coverage of spreadsheet, database, and data analytic tools.

Prerequisite(s): ACCT 312 with a minimum grade of C

Recent Term(s) Offered: None

ACCT 420 Governmental and Not for Profit Accounting 3 Hours

Provides a broad understanding of fund accounting and financial reporting for various types of governmental and not for profit organizations. Examines the similarities and differences among the fund structures and financial reporting requirement of the two categories of organizations. Types of organizations typically studied include: all governmental organizations, health care organizations, colleges and universities, and voluntary health and welfare organizations.

Prerequisite(s): ACCT 301 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Accounting (602)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ACCT 430 Federal Taxation – Individuals 3 Hours

Provides a comprehensive explanation of the federal tax structure. Primary emphasis is placed on the federal income tax as it applies to individuals. Provides the student with an opportunity to apply tax principles to specific problems.

Prerequisite(s): ACCT 301 with a minimum grade of C

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Enrollment is limited to students in Accounting (602)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ACCT 431 Federal Taxation – Business Entities 3 Hours

Furthers the student's understanding and knowledge of the federal income tax structure as it applies to partnerships and corporations. Other specialized areas of taxation are also covered. Emphasis is placed on the use of tax services in researching tax problems.

Prerequisite(s): ACCT 430 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Accounting (602)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ACCT 440 Business Law for the Accounting Professional 3 Hours

Contracts, Uniform Commercial Code, sales, debtor-creditor relationships, security regulation, property, estates, and trusts and other topics pertinent to the legal portion of the CPA Examination are covered.

Prerequisite(s): MGT 200

Recent Term(s) Offered: None

ACCT 450 Auditing and Assurance Services 3 Hours

Emphasizes the work of public accountants. Topics covered include auditing standards, professional ethics, legal liabilities, auditing objectives and procedures, preparation of audit working papers, reporting considerations when rendering an opinion on financial statements, and other services provided by accountants. Internal auditing, including the concepts of operational and compliance auditing, are also considered.

Prerequisite(s): ACCT 303 with a minimum grade of C and ACCT 312 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Accounting (602)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ACCT 451 Advanced Auditing & Assurance Services 3 Hours

Further develop auditing skills introduced in Acct 450. Impact of legislation on auditing, the presentation and detection of fraud, ethics and independence, and international auditing standards; corporate governance, internal audit, and sampling are also covered. In depth examination of auditing cycles, reporting on internal control.

Prerequisite(s): ACCT 450 with a minimum grade of C

Recent Term(s) Offered: None

ACCT 460 CPA Problems 3 Hours

Designed to assist the student in preparing for the uniform CPA examination. Passing this examination is one of the requirements for becoming a certified public accountant.

Prerequisite(s): ACCT 303 (may be taken concurrently) with a minimum grade of C

Restriction(s): Enrollment is limited to students in Accounting (602)

Recent Term(s) Offered: None

ACCT 470 Senior Seminar in Accounting 1-3 Hours (repeatable max of 3 hrs)

Investigation into current accounting developments. The course is designed to give seniors an opportunity for in-depth study of important accounting developments.

Restriction(s): Enrollment limited to students with a semester level of Senior.

Enrollment is limited to students in Accounting (602)

Recent Term(s) Offered: None

ACCT 499 Senior Assessment in Accounting 1 Hour

This course is designed to be a tool in the senior assessment process. It is designed to provide a means of conducting assessment of accounting majors. The course will seek to measure knowledge of basic accounting ideas and concepts. Students will also be introduced to the professional certification programs and career opportunities available in the accounting profession. Required for all accounting majors. Note: Must be enrolled in last regular semester of course work (summer graduates would take this course in the spring semester prior to completion).

Restriction(s): Enrollment limited to students with a semester level of Senior.

Enrollment is limited to students in Accounting (602)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Advertising (AD)

AD 210 Software Studio 3 Hours

An introduction to the industry standard software to edit photos, create logos/branding packages, illustrations and layouts for print and interactive media. Note: Permission of instructor may be required.

Equivalent(s): SOM 210

Course Fee: \$85

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AD 240 Advertising in a Digital World 3 Hours

Explores the theory and practice of incorporating digital technology into global advertising communication campaigns. Core topics include consumer research, modern branding strategy, and message delivery.

Colonnade/Statewide General Education Code K-LG

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

AD 300 Research in Advertising and Public Relations 3 Hours

Prepares students to perform and supervise preliminary research in advertising and public relations environments. Includes consumer analysis, media tracking, attitude measurement, copy testing, online research and evaluation of externally supplied research. Note: Permission of instructor may be required.

Prerequisite(s): (AD 240 with a minimum grade of C or COMM 200 with a minimum grade of C or PR 255 with a minimum grade of C) and (MATH 109 or MATH 115 or MATH 116 or MATH 117)

Restriction(s): Enrollment is limited to students in Industrial Education (081), Visual Arts (514), Corp. Organ. Communication (522), News/Editorial Journalism (716), Marketing (720), Mass Communication (725), Broadcasting (726), Advertising (727), Public Relations (763) or Communication Studies (792)

Course Fee: \$50

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

AD 310 Visual Concepts in Advertising 3 Hours

Analyze, create, and organize visual elements of persuasive and sponsored messages across media, targeting specific audiences for measurable impact. Note: Permission of instructor may be required.

Prerequisite(s): (AD 210 with a minimum grade of C or SJB 201 with a minimum grade of C) and AD 240 with a minimum grade of C

Course Fee: \$85

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AD 321 Communications Analytics in Public Relations and Advertising 3 Hours

Introduction to practical application of the platforms, tools, data sources, and distribution channels of communications analytics in public relations and advertising.

Prerequisite(s): PR 255 or AD 240 or COMM 212 or permission of instructor

Equivalent(s): COMM 321, PR 321

Recent Term(s) Offered: None

AD 330 Branding 3 Hours

Process of creating and projecting a distinctively authentic personality for a business. Covers traditional and digital methods of branding, with a focus on user experience. Note: Permission of instructor may be required.

Prerequisite(s): (AD 300 with a minimum grade of C or COMM 300 with a minimum grade of C or PS 301 with a minimum grade of C or SOCL 302 with a minimum grade of C)

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AD 349 Advertising Media 3 Hours

Study and evaluation of principal advertising media, including newspapers, magazines, trade publications, radio, television and outdoor. Includes consideration of media and audiences, media rates, budgeting, negotiating, scheduling and evaluations. Note: Permission of instructor may be required.

Prerequisite(s): (COMM 300 with a minimum grade of C or PS 301 with a minimum grade of C or AD 300 with a minimum grade of C or SOCL 302 with a minimum grade of C)

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AD 400 Special Topics Advertising 3 Hours (repeatable max of 6 hrs)

Various advertising topics not covered elsewhere in the curriculum. Note: Permission of instructor may be required.

Prerequisite(s): (COMM 200 with a minimum grade of C or ENG 300 with a minimum grade of C)

Restriction(s): Students with a semester level of Freshman may **not** enroll.

Course Fee: \$85

Recent Term(s) Offered: spring 2020; spring 2021

AD 410 Portfolio 3 Hours

Students collaborate to research, create and promote websites and/or applications for commercial and non-commercial projects. Synthesizes all elements of user-experience design and branding.

Restriction(s): Enrollment is limited to students in Advertising (727) or Advertising (Seeking Adm) (727P)

Course Fee: \$85

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AD 415 Study Abroad in Advertising 3 Hours (repeatable max of 6 hrs)

Advertising and culture in international and cross-cultural locations.

Repeatable once for a total of 6 hours.

Recent Term(s) Offered: None

AD 489 AD Internship or Practicum 3 Hours (repeatable max of 6 hrs)

Prerequisite(s): 18 hours in the major, and permission of instructor. For departmental majors only. Professional -quality experience outside or inside the University for a fixed period of time. Follow-up with consist student reports and employer evaluation. Open only to Advertising majors. Course will be repeatable once for credit (only 3 hours will count for credit toward major).

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Enrollment is limited to students in Advertising (727)

Course Fee: \$85

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AD 495 Independent Study in Advertising 1-6 Hours (repeatable max of 6 hrs)

Develops directed research in Advertising. Students must submit a written petition for faculty approval of the study in the semester prior to enrolling. Note: Permission of instructor.

Prerequisite(s): COMM 200 with a minimum grade of C

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021

Aerospace (AERO)

AERO 151 Heritage and Values 1 Hour

Part one of a two-part survey of the U.S. Air Force as a public-service organization. Topics include: role of military in U.S. society; military history; officership; professionalism; core values; career opportunities; customs/courtesies; communication skills. Freshman Leadership Laboratory is also mandatory for AFROTC cadets and complements this course by providing followership experiences.

Recent Term(s) Offered: None

AERO 152 Leadership Laboratory 1 Hour

Practical environment giving leadership training while being instructed on military customs and courtesies, physical fitness, military drill and the general Air Force environment.

Recent Term(s) Offered: None

AERO 153 Heritage and Values 1 Hour

Part two of a two-part survey of the U.S. Air Force as a public-service organization. Topics include: role of military in U.S. society; military history; officership; professionalism; core values; career opportunities; customs/courtesies; communication skills. Freshman Leadership Laboratory is also mandatory for AFROTC cadets and complements this course by providing followership experiences.

Recent Term(s) Offered: None

AERO 154 Leadership Laboratory 1 Hour

Practical environment giving leadership training while being instructed on military customs and courtesies, physical fitness, military drill and the general Air Force environment.

Recent Term(s) Offered: None

AERO 251 Team and Leadership Fundamentals 1 Hour

Part one of a two-part course on team building and fundamentals; development/deployment of air power, a primary element of U.S. national security; leadership and quality principles; ethics and values. Leadership development based on student participation in group problem solving. Oral/written communication development. Sophomore Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing followership experiences.

Recent Term(s) Offered: None

AERO 252 Leadership Laboratory 1 Hour

Practical environment giving leadership training while being instructed on military customs and courtesies, physical fitness, military drill and the general Air Force environment.

Recent Term(s) Offered: None

AERO 253 Team and Leadership Fundamentals 1 Hour

Part two of a two-part course on team building and fundamentals; development/deployment of air power, a primary element of U.S. national security; leadership and quality principles; ethics and values. Leadership development based on student participation in group problem solving. Oral/written communication development. Sophomore Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing followership experiences.

Recent Term(s) Offered: None

AERO 254 Leadership Laboratory 1 Hour

Practical environment giving leadership training while being instructed on military customs and courtesies, physical fitness, military drill and the general Air Force environment.

Recent Term(s) Offered: None

AERO 255 Summer Leadership / four week 4 Hours

No course description is available

Recent Term(s) Offered: None

AERO 256 Summer Leadership / six week 4 Hours

No course description is available

Recent Term(s) Offered: None

AERO 351 Leading People and Effective Communication 3 Hours

Comprehensive study of leadership/quality management fundamentals, professional knowledge, organizational doctrine and ethics, and communication skills required of today's Air Force officer. Leadership/management case studies. A mandatory junior year Leadership Laboratory provides advanced leadership experiences and the opportunity to apply the leadership and management principles of this course.

Recent Term(s) Offered: None

AERO 352 Leadership Laboratory 1 Hour

Practical environment giving leadership training through teaching freshmen and sophomores military customs and courtesies, physical fitness, military drill and the general Air Force environment.

Recent Term(s) Offered: None

AERO 353 Leading People and Effective Communication 3 Hours

Comprehensive study of leadership/quality management fundamentals, professional knowledge, organizational doctrine and ethics, and communication skills required of today's Air Force officer. Leadership/management case studies. A mandatory junior year Leadership Laboratory provides advanced leadership experiences and the opportunity to apply the leadership and management principles of this course.

Recent Term(s) Offered: None

AERO 354 Leadership Laboratory 1 Hour

Practical environment giving leadership training through teaching freshmen and sophomores military customs and courtesies, physical fitness, military drill and the general Air Force environment.

Recent Term(s) Offered: None

AERO 451 National Security, Leadership Responsibilities and Commissioning Preparation 3 Hours

Advanced leadership development; national security processes, regional studies, advanced leadership ethics, doctrine, the military as a profession, officership, military justice, civilian control of the military. A mandatory senior year Leadership Laboratory provides advanced leadership experiences and the opportunity to apply the leadership and management principles of this course.

Recent Term(s) Offered: None

AERO 452 Leadership Laboratory 1 Hour

Practical environment giving leadership training through teaching freshmen and sophomores military customs and courtesies, physical fitness, military drill and the general Air Force environment.

Recent Term(s) Offered: None

AERO 453 National Security, Leadership Responsibilities and Commissioning Preparation 3 Hours

Advanced leadership development; national security processes, regional studies, advanced leadership ethics, doctrine, the military as a profession, officership, military justice, civilian control of the military. A mandatory senior year Leadership Laboratory provides advanced leadership experiences and the opportunity to apply the leadership and management principles of this course.

Recent Term(s) Offered: None

AERO 454 Leadership Laboratory 1 Hour

Practical environment giving leadership training through teaching freshmen and sophomores military customs and courtesies, physical fitness, military drill and the general Air Force environment.

Recent Term(s) Offered: None

African-American Studies (AFAM)

AFAM 190 African American Experience 3 Hours

African American life and experiences in the United States viewed from a cross-disciplinary perspective. Seven core subjects are surveyed: African American history, religion, politics, creative productions (music, dance, theatre), economics, social organizations and psychology. **Colonnade/Statewide General Education Code E-SB | SB**

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AFAM 329 Black Intellectual History 3 Hours

An examination of the contributions of Black intellectuals to an understanding of the modern world. Emphasis is given to the intersection of historic claims to human rights, citizenship, and independence to promote an awareness of this tradition's multiple geographical nodes, collaborations, and solidarities. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status and (HIST 101 or HIST 102) or AFAM 190

Equivalent(s): HIST 329

Recent Term(s) Offered: None

AFAM 333 Hip Hop and Democracy 3 Hours

Examines the various and sometimes contradictory views of Hip Hop as a musical form, a forum for political activism, and a voice for articulating and refiguring the democratic values of today's youth. Note: Permission of instructor may be required.

Prerequisite(s): AFAM 190

Recent Term(s) Offered: None

AFAM 343 Communities of Struggle 3 Hours

Examines the relationship between distinct communities of struggle in Africa and the African Diaspora and the impact of African American social movements on a range of liberation struggles within this context.

Colonnade/Statewide General Education Code K-LG

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Equivalent(s): HIST 343

Recent Term(s) Offered: spring 2020; spring 2022

AFAM 350 Peoples and Cultures of Africa 3 Hours

Survey of the cultures of Africa, with emphasis on historical development and contemporary cultural diversity.

Equivalent(s): ANTH 350, FLK 350

Recent Term(s) Offered: None

AFAM 353 Radical Blackness 3 Hours

Interdisciplinary study of contemporary Black radical thought through an examination of African American material culture, i.e. symbols, art, music, literature, performance, and cultural studies.

Recent Term(s) Offered: spring 2021

AFAM 358 Blacks in American History to 1877 3 Hours

A chronological study of African American history and culture from 1619 to 1877 with an emphasis on African American contributions to American life and thought.

Equivalent(s): HIST 358

Recent Term(s) Offered: None

AFAM 359 Blacks in American History Since 1877 3 Hours

A chronological study of African American history and culture from 1877 to the present with an emphasis on African American contributions to American life and thought.

Equivalent(s): HIST 359

Recent Term(s) Offered: None

AFAM 360 History of Africa 3 Hours

A survey of the history of sub-Saharan Africa from the earliest times to the present.

Equivalent(s): HIST 360

Recent Term(s) Offered: None

AFAM 368 African Governments & Politics 3 Hours

Examines sub-Saharan African political and economic development. Focuses on several selected countries and explores the common political and economic problems and opportunities confronting African states. Note: Permission of instructor may be required.

Prerequisite(s): PS 250 and PS 260

Corequisite(s): GOVT 260, GOVT 250

Recent Term(s) Offered: None

AFAM 377 African American Folklife 3 Hours

Oral, written, and material folk traditions of African Americans, with emphasis on the United States and the Caribbean.

Equivalent(s): FLK 377

Recent Term(s) Offered: spring 2022

AFAM 393 African American Literature 3 Hours

Study of literature by African American writers.

Prerequisite(s): Foundations Literary Studies

Equivalent(s): ENG 393

Recent Term(s) Offered: spring 2020; fall 2021; spring 2022

AFAM 410 African American Music 3 Hours

A survey of selected musical styles created and developed by African Americans from the 17th to the 20th century: spirituals, blues, popular music forms (e.g., soul, reggae, rap music). Emphasis will be placed on the historical factors and sociocultural trends that influenced the development of African American music.

Equivalent(s): FLK 410, ANTH 410

Recent Term(s) Offered: None

AFAM 466 Geography of Africa 3 Hours

A geographic survey assessing the relationships of the physical and cultural patterns to actual and potential economic development. Note: Permission of instructor required.

Equivalent(s): GEOG 466

Recent Term(s) Offered: None

AFAM 480 Directed Independent Study in African American Topics 1-3 Hours (repeatable max of 6 hrs)

Designed primarily for advanced students. This course will permit students to pursue selected topics dealing with the life and times of the people of African ancestry in Africa and America. Note: Permission of instructor may be required.

Prerequisite(s): AFAM 190

Recent Term(s) Offered: None

AFAM 490 African American Seminar 3 Hours (repeatable max of 6 hrs)

Designed primarily for advanced students. This seminar will include topics dealing with the African American experience, present or past. Note: Permission of instructor may be required.

Prerequisite(s): AFAM 190

Recent Term(s) Offered: spring 2020

Agricultural Economics (AGEC)

AGEC 160 Introduction to Agribusiness and Agricultural Entrepreneurship 3 Hours

Overview of various aspects of agribusiness and agricultural economics with emphasis on entrepreneurial skills. Technical, managerial, and professional qualifications for agribusiness-related careers.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

AGEC 260 Golf Course Management 3 Hours

An introductory course on the organization and operation of a golf course business. Topics include planning, implementation and control of the physical facilities and financial aspects.

Recent Term(s) Offered: None

AGEC 261 Agricultural Accounting 3 Hours

Follows Farm Financial Standards Council guidelines for agricultural producers to analyze farm/ranch transactions and accounts, make journal and ledger entries, and produce farm financial statements.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

AGEC 360 Agricultural Economics 3 Hours

An introduction to the private and public sector of the United States economy. Identification of the resources used in agriculture. Elementary application of economic principles to resource use in agriculture. Lecture, three hours.

Recent Term(s) Offered: summer 2020; fall 2020; summer 2021; fall 2021; summer 2022; fall 2022

AGEC 361 Farm Management 3 Hours

Organizing and managing farms; factors affecting farm earnings; resource allocation; combining farm enterprises, individual farm organization and farm management problem assignments and application of the principles of business to farming are stressed.

Prerequisite(s): AGEC 360 (may be taken concurrently)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

AGEC 362 Agricultural Marketing 3 Hours

Included are principles and methods of marketing farm products; institutions performing the various functions in marketing specific commodities; market prices; marketing costs; elementary treatment of cooperative marketing.

Prerequisite(s): AGEC 360 (may be taken concurrently) with a minimum grade of C

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

AGEC 366 Agricultural Sales and Services 3 Hours

Exploration, investigation and application of principles and concepts of sales and service applied to agriculture. A credit and personal improvement course designed for agri-business and educators working with sales and service of agricultural inputs and products. Note: Consent of instructor may be required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

AGEC 391 Survey of Commodity Futures and Options 3 Hours

Introductory overview of physical commodity futures and options markets including history, function, analysis, trends, and strategies, with specific focus on agricultural and food industry applications.

Prerequisite(s): AGEC 360 and AGRI 291

Recent Term(s) Offered: None

AGEC 460 Agricultural Policy 3 Hours

Principles underlying agricultural policy; the role of agriculture in the national economy; objectives of agricultural policy and the means of reaching them; appraisal of current and proposed agricultural programs; and legislation for remedial economic action are presented.

Prerequisite(s): AGEC 360 (may be taken concurrently) with a minimum grade of C

Recent Term(s) Offered: None

AGEC 461 Advanced Farm Management 3 Hours

Identification, analysis and solution of problems of farm organization and operation; how to evaluate and incorporate innovations into new or ongoing operation, case studies and field trips to situation farms in South Central Kentucky are emphasized. Note: Permission of instructor may be required.

Prerequisite(s): AGEC 361 (may be taken concurrently) with a minimum grade of C

Recent Term(s) Offered: None

AGEC 463 Agriculture Finance 3 Hours

Farm finance problems, credit institutions, capital requirements, investment decisions, budgeting techniques, operation of lending agencies and alternative means of acquiring capital are studied. Note: Permission of instructor may be required.

Prerequisite(s): AGEC 361 (may be taken concurrently) with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022; fall 2022

AGED 468 World Food Development 3 Hours

Study of world food production problems and opportunities in feeding an ever-increasing population. Assessment of world food production, poverty, government policies, multi-national businesses and cultures. Investigates methods of increasing production.

Prerequisite(s): (AGED 160 or ECON 150 or ECON 202 or ECON 203)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

AGED 471 Agribusiness Entrepreneurial System 3 Hours

Connecting essential concepts/components learned from various disciplines to develop entrepreneurial skills in the agriculture industry in order to create innovative agriculture-related ventures and manage them profitably. NOTE: Instructor authorization may be required. **Colonnade/**

Statewide General Education Code K-SY

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; winter 2021; spring 2021; winter 2022; spring 2022; summer 2022

AGED 475 Special Topics in Agriculture Economics 1-3 Hours

(repeatable max of 6 hrs)

Special topics acquaint advanced undergraduate students with scientific developments of current interest in agriculture. Appropriate topic titles are assigned. Lecture and assignments vary with credit. May be repeated with change in content. Note: Consent of instructor required.

Recent Term(s) Offered: None

Agricultural Education (AGED)

AGED 200 Foundations of Agricultural Education 1 Hour

History and foundation of agricultural education and career and technical education. Includes tools to promote, oversee, and evaluate agricultural education activities in grades 7-12.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

AGED 250 Introduction to Teacher Education in Agriculture 3 Hours

An analysis of the philosophical, psychological, and sociological foundations of education in American academic and career-technical public education. Qualification, performance and general expectation of the agriculture teacher are stressed. Students must complete a 25-hour pre-student teaching experience in the public schools. Periodic class trips are taken to observe various agriculture education departments.

Equivalent(s): EDU 250

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

AGED 300 Youth Development for Agricultural Educators 3 Hours

Prepares future secondary school agricultural educators to provide academic advisement and leadership in youth development programs in secondary schools.

Prerequisite(s): (AGED 250 or MGE 275)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

AGED 470 Methods of Teaching in Agricultural Education 3 Hours

Experiences related to the teaching of agriculture education, further preparing the prospective teacher in supervised occupational experience programs. FFA activities, classroom management, and general teaching techniques. Departments are occasionally visited. Note: Admission to student teaching required.

Prerequisite(s): (AGED 250 or EDU 250) and SPED 330 and AGRI 398 and PSY 310

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

AGED 471 Organization and Planning in Agricultural Education 3

Hours (repeatable max of 3 hrs)

A teacher preparation course designed to prepare pre-service teachers for the student teaching experience and for a full-time teaching position. Unit planning, lesson preparation, and delivery comprise the major portion of this course. Note: Admission to student teaching required.

Prerequisite(s): (AGED 250 or EDU 250) and SPED 330 and AGRI 398 and PSY 310

Course Fee: \$100

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

AGED 475 Selected Topics in Agriculture 1-3 Hours (repeatable max of

6 hrs)

Special topics acquaint advanced undergraduate students with scientific developments of current interest in agriculture. Appropriate topic titles are assigned. Lecture and assignments vary with credit. May be repeated with change in content. Note: Consent of instructor required.

Recent Term(s) Offered: None

AGED 489 Special Problems in Agricultural Education 1-3 Hours

(repeatable max of 6 hrs)

Note: Instructor's consent and 3.0 grade point average required.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; spring 2022; fall 2022

Agricultural Mechanics (AGMC)

AGMC 170 Introduction to Agricultural Mechanization 2 Hours

The topics studied in this course will be electrical power, land surveying and building construction.

Corequisite(s): AGMC 171

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AGMC 171 Introduction to Agricultural Mechanization Laboratory 1 Hour

A laboratory course correlated with AGMC 170.

Corequisite(s): AGMC 170

Course Fee: \$10

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AGMC 172 Lawn and Garden Equipment 2 Hours

The student will study equipment used in the lawn and garden industry. Primary study will involve the engine and its accessories.

Corequisite(s): AGMC 173

Recent Term(s) Offered: fall 2021

AGMC 173 Lawn and Garden Equipment Laboratory 1 Hour

The student will disassemble and repair engines and other components to study by following manufacturer's specification, using measuring devices, and other recommended procedures.

Corequisite(s): AGMC 172

Recent Term(s) Offered: fall 2021

AGMC 176 Agriculture Safety 2 Hours

Topics include the safe handling of hand tools, power tools, agricultural machinery, farm animals, pesticides, and fertilizers, with emphasis on hazard awareness, workplace regulations, and basic intervention strategies. Students will be trained in CPR (not certified) and other quick response first aid techniques.

Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; spring 2021; fall 2021; winter 2022; spring 2022; fall 2022

AGMC 270 Turf Mowing Equipment Maintenance 2 Hours

Instruction in the use of modern machines and techniques to maintain cutting equipment used in the turf industry. Techniques for precision maintenance are studied.

Corequisite(s): AGMC 271

Recent Term(s) Offered: None

AGMC 271 Turf Mowing Equipment Maintenance Laboratory 1 Hour

A laboratory course correlated with AGMC 270.

Corequisite(s): AGMC 270

Recent Term(s) Offered: None

AGMC 272 Turf Equipment Management and Operation 2 Hours

Instruction in the selection, economic management and operation of turf equipment. Included are safety, pesticide certification, adjustments, basic operation, and cost analysis.

Recent Term(s) Offered: spring 2021

AGMC 273 Turf Equipment Management and Operation Laboratory 1 Hour

A laboratory course correlated with AGMC 272.

Corequisite(s): AGMC 272

Recent Term(s) Offered: spring 2021

AGMC 326 Precision Agriculture 3 Hours

Utilization of remote sensing, soil sampling and information management tools to increase agricultural production, optimize returns, and preserve natural resources. Satellite, informational and geospatial technologies are examined within the context of production agriculture. Note:

Permission of instructor may be required.

Prerequisite(s): AGRO 350

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022

AGMC 371 Agricultural Mechanics 1 Hour (repeatable max of 2 hrs)

The major focus of this course will be metal work, welding and basic metallurgy.

Corequisite(s): AGMC 372

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AGMC 372 Agricultural Mechanics Laboratory 2 Hours

A laboratory course correlated with AGMC 371.

Corequisite(s): AGMC 371

Course Fee: \$125

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AGMC 373 Farm Power—Mechanical and Machinery 2 Hours

The student will learn basic engine principles used on farm equipment and accessory systems. Basic principles of machinery management as applied toward proper machinery use and adjustment in the field will be addressed. Note: Permission of instructor may be required.

Prerequisite(s): (AGMC 170 (may be taken concurrently) and AGMC 371 (may be taken concurrently))

Corequisite(s): AGMC 374

Recent Term(s) Offered: spring 2021

AGMC 374 Farm Power—Mechanical and Machinery Laboratory 1 Hour

The student will disassemble and reassemble engines and machinery components.

Corequisite(s): AGMC 373

Recent Term(s) Offered: spring 2021

AGMC 377 Farm Machinery 2 Hours

The design principles, operation, selection and management of Lecture two hours. Field trips as needed. Note: Permission of instructor may be required.

Prerequisite(s): AGMC 170 (may be taken concurrently)

Corequisite(s): AGMC 378

Recent Term(s) Offered: spring 2020; spring 2022

AGMC 378 Farm Machinery Laboratory 1 Hour

A laboratory course correlated with AGMC 377.

Corequisite(s): AGMC 377

Recent Term(s) Offered: spring 2020; spring 2022

AGMC 392 Turf Irrigation 2 Hours

Instruction in the selection, care, operation and management of irrigation systems specifically designed for commercial, industrial and residential turf settings. Special emphasis given to the unique circumstance of golf courses. Field trips required.

Prerequisite(s): (MATH 116 (may be taken concurrently) or MA 116C (may be taken concurrently) or MATH 116E (may be taken concurrently)) or (MATH 115 or MA 115C) and AGRO 110

Corequisite(s): AGMC 393

Recent Term(s) Offered: fall 2021

AGMC 393 Turf Irrigation Laboratory 1 Hour

A laboratory course correlated with AGMC 392.

Corequisite(s): AGMC 392

Recent Term(s) Offered: fall 2021

AGMC 425 Applied Hydraulics and Pneumatics 3 Hours

Study of the fundamental principles of hydraulic and pneumatic systems and their application to mobile and stationary agriculture and construction machinery.

Prerequisite(s): (MATH 115 or MA 115C or MATH 116 or MATH 116E or MA 116C)

Recent Term(s) Offered: fall 2020; fall 2022

AGMC 475 Selected Topics in Agriculture 3 Hours

Special topics acquaint advanced undergraduate students with scientific developments of current interest in agriculture. Appropriate topic titles are assigned. Lecture and assignments vary with credit. May be repeated with change in content. Note: Consent of instructor required.

Recent Term(s) Offered: None

Agriculture - General (AGRI)

AGRI 101 The Science of Agriculture 3 Hours

Biological, chemical, and earth science concepts are related to agriculture. Intended for non-majors. Does not count toward agriculture major credit. **Colonnade/Statewide General Education Code NS**
Recent Term(s) Offered: spring 2020; fall 2020; fall 2022

AGRI 108 Rural Sociology 3 Hours

The study of rural social groups and interaction in rural and suburban America as well as in rural areas of the world. The influences of basic concepts of society and culture and the relationship of rural population, class, social institutions, and groups on rural social change. **Colonnade/Statewide General Education Code E-SB | SB**
Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; winter 2022; spring 2022; fall 2022

AGRI 175 University Experience – Agriculture 1 Hour

Designed to develop academic skills and library research skills, to foster personal development, and to provide information about campus resources, thus empowering students to have a successful transition to the higher education experience.
Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

AGRI 269 Cooperative Education in Agriculture I 1-3 Hours (repeatable max of 9 hrs)

Practical out-of-the classroom experience in a supervised work situation with a cooperating business, industry or governmental agency, emphasizing application of knowledge and skills in specified areas of agriculture. A maximum of 9 hours of cooperative education may apply toward a major in agriculture. Does not count toward agriculture minor credit.
Recent Term(s) Offered: fall 2020; spring 2021; fall 2021

AGRI 280 Introduction to Environmental Science 3 Hours

An introductory course devoted to the study of environmental issues. A general understanding of application of science to solution of contemporary environmental problems. **Colonnade/Statewide General Education Code E-NS | NS**
Recent Term(s) Offered: winter 2020; summer 2020; summer 2021; summer 2022; fall 2022

AGRI 291 Introduction to Data Analysis and Interpretation 3 Hours

Application of scientific method in acquiring new knowledge, interpretation of statistical research data; application of statistical concepts. Lecture and Laboratory.
Prerequisite(s): (MATH 116 (may be taken concurrently) or MA 116C (may be taken concurrently) or MATH 116E (may be taken concurrently) or MATH 115 or MA 115C)
Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

AGRI 315 Water in Food Production 3 Hours

A study of the role of water in food production, including availability and distribution, economics, droughts and floods, pollution, waste disposal, sustainability, political rights and regulations, and ethics. Note: A minimum of 12 hours of agriculture or other sciences or combination thereof is required.
Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.
Recent Term(s) Offered: spring 2020

AGRI 323 Wine Fundamentals 3 Hours

Agricultural and historical origins of wine, including important grape varieties and principles of fermentation. Major wine-producing regions and fundamentals of wine marketing are also explored.
Recent Term(s) Offered: None

AGRI 355 Biotechnology in Agriculture 3 Hours

Introduction to current biotechnologies used in agriculture including genetic modification of crop plants and animals, genetically modified foods, fermentation biotechnology, pharming and other current topics.
Prerequisite(s): BIOL 120 and BIOL 121 and (ANSC 140 or AGRO 110)
Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

AGRI 369 Cooperative Education in Agriculture II 1-4 Hours

(repeatable max of 8 hrs)
 Practical out-of-the classroom experience in a supervised work situation with a cooperating business, industry or government agency, emphasizing application of knowledge and skills in specified areas of agriculture. A maximum of 8 hours of cooperative education may apply toward a major in agriculture. Does not count toward agriculture minor credit.
Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.
Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

AGRI 397 Agriculture Career Planning 1 Hour

Job search preparation, including completion of a resume, cover letter and mock interview. Options for obtaining graduate education and internship experience are also explored. Outside speakers from the agriculture industry are included. Note: Permission of instructor may be required.
Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.
Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AGRI 398 Seminar 1 Hour

Current literature from representative journals in the field of agricultural research is reviewed orally by students. Discussion, one hour. Note: Permission of instructor may be required.
Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may **not** enroll.
Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AGRI 399 Research Problems in Agriculture 1-3 Hours

Gives students an opportunity to pursue a thorough study of some particular phase of agriculture. Credit to be arranged. Note: 3.0 GPA and Consent of instructor required.
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.
Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AGRI 469 Cooperative Education in Agriculture III 1-4 Hours
(repeatable max of 8 hrs)

Practical out-of-the classroom experience in a supervised work situation with a cooperating business, industry or governmental agency, emphasizing application of knowledge and skills in specified areas of agriculture; A maximum of 8 hours of cooperative education may apply toward a major in agriculture. Does not count toward agriculture minor credit.

Prerequisite(s): BIOL 120 and BIOL 121

Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: None

AGRI 475 Selected Topics in Agriculture 1-3 Hours (repeatable max of 6 hrs)

Special topics acquaint advanced undergraduate students with scientific developments of current interest in agriculture. Appropriate topic titles are assigned. Lecture and assignments vary with credit. May be repeated with change in content. Note: Consent of instructor required.

Recent Term(s) Offered: spring 2020

AGRI 491 Data Analysis and Interpretation 3 Hours

Basic concepts of statistical models and use of samples. Variation, statistical measures, distribution, tests of significance, analysis of variance and elementary experimental design, regression and correlation as related to interpretation and use of scientific data are discussed.

Prerequisite(s): (MATH 115 or MATH 116 or MA 115C or MA 116C or MATH 116E or MATH 117)

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

AGRI 493 Sustainable Agriculture 3 Hours

Effect of diminishing resources, environmental pollution, and short-term economics on the sustainability of productive agriculture. Emphasis on managing crops, livestock, and other farm resources in providing an ecological-economical balance in agricultural production. Note: Upper division standing, minimum of 18 hours in agriculture and related areas, including at least 12 hours of plant and animal production, soils, crop protection, crop improvement, economics, or ecology; or permission of instructor.

Recent Term(s) Offered: spring 2021; spring 2022

AGRI 494 Contemporary Agricultural Issues 3 Hours

An analysis of contemporary agricultural ethical issues as viewed by consumers, advocacy groups and producers. While issues may vary, topics may include: animal welfare, biotechnology, environmental protection, food quality, food policy, land use, and tobacco.

Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Agronomy (AGRO)

AGRO 110 Introduction to Plant Science 3 Hours

Principles of plant growth and development are applied to agriculture.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AGRO 111 Plant Science Laboratory 1 Hour

A laboratory course correlated with AGRO 110. Laboratories coincide with lecture topics. Lab is strongly encouraged for students in the plant sciences.

Corequisite(s): AGRO 110

Course Fee: \$20

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AGRO 310 Pest Management 3 Hours

Identification and management of insects, diseases and weeds of major importance in agronomic crops, turfgrasses and landscape plantings.

Prerequisite(s): AGRO 110 and CHEM 105

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

AGRO 320 Crop Physiology 3 Hours

Effects of various physiological and environmental factors on crop production are discussed.

Prerequisite(s): AGRO 110 and BIOL 120 and (CHEM 105 or CHEM 120)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AGRO 350 Soils 3 Hours

A basic study of soil properties and processes emphasizing soil management and its application to agriculture.

Prerequisite(s): (CHEM 105 and CHEM 106) or (CHEM 120 and CHEM 121)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AGRO 351 Soils Laboratory 1 Hour

A laboratory course correlated with AGRO 350. Laboratory exercises and experiences to supplement lecture topics.

Prerequisite(s): AGRO 350 (may be taken concurrently)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AGRO 352 Soil Fertility and Fertilizers 3 Hours

Soil reactions of elements essential for plant growth and development, sources and manufacture of fertilizer materials, use of fertilizers and lime, use of sound management practices are stressed.

Prerequisite(s): AGRO 350 and AGRO 110

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

AGRO 409 Weed Science 2 Hours

Identification of prominent weed species; relationship of weeds to crop production problems; control measures, both physical and chemical, are presented.

Prerequisite(s): (CHEM 107 or CHM 107C) and (AGRO 320 and AGRO 350)

Corequisite(s): AGRO 410

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

AGRO 410 Weed Science Laboratory 1 Hour

A laboratory course correlated with AGRO 409.

Corequisite(s): AGRO 409

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

AGRO 414 Crop Improvement 3 Hours

Identification, development, and utilization of genetic differences in the improvement of cultivated plants. Note: Six hours of plant science and upper division standing required.

Recent Term(s) Offered: None

AGRO 418 Plant Pathology 3 Hours

Introduction to common plant pathogens and diseases of agronomically important field and forage crops, turf, vegetables, and ornamentals; Topics include control measures, newly discovered diseases, and plant-pathogen interactions. Note: Permission of instructor may be required.

Prerequisite(s): AGRO 110 and BIOL 120 and AGRO 350

Equivalent(s): BIOL 317

Recent Term(s) Offered: fall 2020; fall 2021

AGRO 420 Forage Crops 2 Hours

Distribution, improvement, morphology, culture, harvesting and utilization of forage crops are presented.

Prerequisite(s): AGRO 110 and AGRO 350 and BIOL 120

Corequisite(s): AGRO 421

Recent Term(s) Offered: spring 2021; spring 2022

AGRO 421 Forage Crops Laboratory 1 Hour

A laboratory course correlated with AGRO 420.

Corequisite(s): AGRO 420

Recent Term(s) Offered: spring 2021; spring 2022

AGRO 422 Field Crops 3 Hours

Distribution, improvement, morphology, culture, harvesting and utilization of field crops are presented.

Prerequisite(s): AGRO 320 and AGRO 350

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

AGRO 452 Soil Microbiology 3 Hours

Soil microbial populations and systems and their influence on plant nutrition, soil organic matter, its decomposition and other soil microbial biochemical processes are presented.

Prerequisite(s): AGRO 350

Recent Term(s) Offered: spring 2021

AGRO 454 Soil Management and Conservation 3 Hours

Economic utilization of land for agricultural, recreation and public purposes based on location and capability characteristics; interpretation and application of soil survey information for best interests in crop production, conservation, public and industrial use; practice in designing land use maps are stressed.

Prerequisite(s): AGRO 350

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

AGRO 455 Soil Chemistry 2 Hours

Analytical techniques used in soil chemistry and soil fertility; studies nutrient determination, colloidal systems, chemical properties related to plant nutrition.

Prerequisite(s): AGRO 350

Corequisite(s): AGRO 456

Recent Term(s) Offered: None

AGRO 456 Soil Chemistry Laboratory 1 Hour

A laboratory course correlated with AGRO 455.

Corequisite(s): AGRO 455

Recent Term(s) Offered: None

AGRO 457 Soil Formation, Classification and Mapping 2 Hours

Soil origin; classification schemes; profile description, mapping and interpretation of soil survey information emphasizing Kentucky soils, are discussed. Note: Permission of instructor may be required.

Prerequisite(s): AGRO 350

Corequisite(s): AGRO 458

Recent Term(s) Offered: fall 2021

AGRO 458 Soil Formation, Classification and Mapping Laboratory 1 Hour

A laboratory course correlated with AGRO 457.

Corequisite(s): AGRO 457

Recent Term(s) Offered: fall 2021

AGRO 459 Techniques in Physical Soil Description 3 Hours

Field descriptions of soils in the southeastern U.S. based upon observations of several local soil series and their relationship to the online web soil survey. Training is provided for students seeking governmental positions in the soil science discipline. Off campus travel to field sites and a soil judging contest in the southeast region.

Prerequisite(s): AGRO 350

Restriction(s): Enrollment is limited to students in Agricultural Technology Mgt (205), Agriculture (508) or Agriculture (605)

Recent Term(s) Offered: fall 2022

AGRO 475 Selected Topics in Agriculture 1-3 Hours (repeatable max of 12 hrs)

Special topics acquaint advanced undergraduate students with scientific developments of current interest in agriculture. Appropriate topic titles are assigned. Lecture and assignments vary with credit. May be repeated with change in content. Note: Consent of instructor required.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; spring 2022

Allied Health (AH)

AH 190 Introduction to Allied Health Professionals 2 Hours

This course provides an overview of the history, current practice, wellness issues, and future potential for allied health practitioners. Legal, ethical, and interpersonal aspects of patient care are introduced. Educational requirements, credentialing procedures, and career opportunities are outlined. Observation of an allied health professional is required.

Recent Term(s) Offered: None

AH 290 Medical Terminology 2 Hours

A course designed to acquaint the student with the specialized language of medicine and to develop communication skills in areas where use of medical terms is necessary and appropriate.

Equivalent(s): HIM 290

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

American Sign Language (ASL)

ASL 101 American Sign Language I 3 Hours

Principles, methods, and techniques for communicating with individuals who sign. Topics include expressive and receptive sign skills, manual alphabet, numbers, and sign vocabulary. Off campus experiences are required. Students are responsible for arranging their own transportation to designated or assigned sites.

Course Fee: \$50

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ASL 102 American Sign Language II 3 Hours

Continuation and expansion of principles, methods and techniques for communicating with individuals who sign. Off-campus experiences are required. Students are responsible for arranging their own transportation to designated or assigned sites. Fulfills World Language with a grade of C or better. Note: Permission of instructor maybe required.

Prerequisite(s): (CD 101 with a minimum grade of C or CDCC 101C with a minimum grade of C or ASL 101 with a minimum grade of C or High School 2 years ASL)

Course Fee: \$50

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ASL 201 American Sign Language III 3 Hours

Development of intermediate expressive and receptive ASL skills and cultural features of the language and community. Off-campus experiences are required. Students are responsible for arranging their own transportation to designated and assigned sites. The class will be conducted without voice to enhance comprehension of the language. Fulfills World Language with a grade of C or better. Note: CLEP test may be required.

Prerequisite(s): (CD 102 with a minimum grade of C or CDCC 102C with a minimum grade of C or ASL 102 with a minimum grade of C)

Course Fee: \$50

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ASL 301 American Sign Language IV 3 Hours

The fourth in the four semester sequence which continues training in American Sign Language (ASL) and study of the Deaf Community. Expressive, receptive, and affective skills will be the primary focus with an emphasis on receptive skills. The class will be conducted without voice to enhance comprehension of the language. Fulfills World Language with a grade of C or better.

Prerequisite(s): (CD 201 with a minimum grade of C or ASL 201 with a minimum grade of C)

Course Fee: \$50

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ASL 302 Deaf Culture in America 3 Hours

Provides analysis of the sociological, cultural and political impacts of deafness and compares various dynamics between Deaf and Hearing cultures in the United States. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; fall 2022

ASL 303 International Deaf Studies 3 Hours

Expands the student's global understanding and knowledge of language, culture, education, law, technology, services provided and careers for the deaf and hard of hearing in other countries. **Colonnade/Statewide General Education Code K-LG**

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

ASL 306 American Sign Language Classifiers 3 Hours

Provides an in-depth analysis of classifiers in ASL through discussion and demonstration of the three different categories in ASL: representative classifiers (noun and its action), descriptive classifiers (size-and-shape, perimeter, patterns and textures), and instrumental classifiers (manipulative and handle). Students will learn to comprehend and produce classifiers from all three categories. The class will be conducted in American Sign Language to enhance comprehension.

Prerequisite(s): ASL 301 (may be taken concurrently) with a minimum grade of C

Course Fee: \$50

Recent Term(s) Offered: None

ASL 309 ASL Specialized Vocabulary 3 Hours

Supplements a student's American Sign Language (ASL) conversational skills by introducing terms and phrases which are found in specialized settings. The class will be conducted in American Sign Language to enhance comprehension.

Prerequisite(s): ASL 301 (may be taken concurrently) with a minimum grade of C

Course Fee: \$50

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ASL 401 Fingerspelling 3 Hours

This course will serve to supplement a student's American Sign Language (ASL) conversational skills. Receptive and expressive fingerspelling course content will serve to further strengthen the student's use of this language. In addition, the course will also focus on aspects and applications of incorporating numerals into use of ASL in a variety of contexts. The class will be conducted without voice to enhance comprehension of the language.

Prerequisite(s): ASL 102 with a minimum grade of C

Course Fee: \$50

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ASL 402 ASL Professional Ethics and Issues 3 Hours

Professional and ethical issues as they relate to interpreting and transliterating. In addition, students will become familiar with applicable terminology and procedures when interacting with the Deaf Community. Topics are based on information needed for the Registry of Interpreters for the Deaf certification tests.

Prerequisite(s): (CD 201 with a minimum grade of C or ASL 201 with a minimum grade of C)

Recent Term(s) Offered: None

ASL 403 Deaf Culture and History 3 Hours

An overview of the psychological, sociological and cultural impacts of deafness upon children and adults. Explores how deafness can affect the individual's development in language, communication, cognition, and psychological emotional growth. Examines historic relations between Deaf and hearing and compares Deaf culture with that of the hearing world. A voice interpreter will be provided for this class.

Prerequisite(s): (CD 102 with a minimum grade of C or CDCC 102C with a minimum grade of C or ASL 102 with a minimum grade of C)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ASL 406 ASL Special Topics 1-3 Hours (repeatable max of 9 hrs)

An in-depth examination of a current topic and relevance in the Deaf and Hard of Hearing community.

Prerequisite(s): ASL 102

Recent Term(s) Offered: None

Animal Science (ANSC)

ANSC 130 Introduction to Horse Science 2 Hours

An introductory study of equine science including an overview of the horse industry, anatomy, management, reproduction, nutrition, genetics, behavior and disease.

Corequisite(s): ANSC 131

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022; fall 2022

ANSC 131 Horse Science Lab 1 Hour

Laboratory study of equine science including an overview of the horse industry, anatomy, management, reproduction, nutrition, genetics, behavior and disease.

Corequisite(s): ANSC 130

Course Fee: \$35

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022; fall 2022

ANSC 140 Introduction to Animal Science 3 Hours

An introduction to the animal industry on a state, national and global basis, basic principles of reproduction and endocrinology, breeding and genetics, animal products and diseases. Emphasis is placed upon farm animal classification.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ANSC 141 Introduction to Animal Science Laboratory 1 Hour

A laboratory course correlated with AGRI 140. Laboratories are planned to coincide with lecture topics.

Prerequisite(s): ANSC 140 (may be taken concurrently)

Course Fee: \$25

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ANSC 232 Basic Equitation 2 Hours

For students with little previous experience in horsemanship. Basic disciplines of hunt seat and stock seat horsemanship and selection, care and use of horses and equipment are included.

Course Fee: \$100

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ANSC 240 Livestock Management 2 Hours

A general animal science course offering hands on experience in management of beef cattle, dairy cattle, sheep, swine, and horses.

Prerequisite(s): ANSC 140

Corequisite(s): ANSC 241

Recent Term(s) Offered: fall 2021; fall 2022

ANSC 241 Livestock Management Laboratory 1 Hour

A laboratory course correlated with ANSC 240.

Corequisite(s): ANSC 240

Course Fee: \$25

Recent Term(s) Offered: fall 2021; fall 2022

ANSC 321 Comparative Anatomy 4 Hours

A comparative study of the morphology and relationships of the organ systems of some typical vertebrates.

Prerequisite(s): ANSC 140 and BIOL 120 and BIOL 121

Recent Term(s) Offered: spring 2022

ANSC 330 Horse Production 2 Hours

Principles of animal science as they relate to the horse and equine industry, characteristics of breeds, anatomy, nutrition, genetics, reproduction, behavior, training, health, breeding, management, and marketing concepts are presented. Note: Approval of instructor may be required.

Prerequisite(s): ANSC 140

Corequisite(s): ANSC 331

Recent Term(s) Offered: fall 2020; fall 2021

ANSC 331 Horse Production Laboratory 1 Hour

A laboratory course correlated with ANSC 330.

Corequisite(s): ANSC 330

Course Fee: \$20

Recent Term(s) Offered: fall 2020; fall 2021

ANSC 333 Horse Training 2 Hours

The student is assigned a horse to train. Techniques for halter-breaking, gentling, grooming, lunging, saddling, driving and riding the untrained horse are included. Note: Approval of instructor may be required.

Prerequisite(s): ANSC 232

Corequisite(s): ANSC 334

Recent Term(s) Offered: spring 2022

ANSC 334 Horse Training Laboratory 1 Hour

A laboratory course correlated with ANSC 333.

Corequisite(s): ANSC 333

Course Fee: \$150

Recent Term(s) Offered: spring 2022

ANSC 336 Conformation and Performance Evaluation of Horses 3 Hours (repeatable max of 3 hrs)

Evaluation and selection of horses based on conformation and athletic ability, and oral and written defense of evaluations. The importance of environment, records, genetics, and conformation in selection are discussed. Note: Permission of instructor required.

Recent Term(s) Offered: None

ANSC 338 Introductory Livestock Evaluation and Selection 3 Hours

Fundamental selection criteria utilized in evaluating beef cattle, hogs, sheep, dairy cattle and horses. Oral and written evaluations are included. Note: Consent of instructor may be required.

Prerequisite(s): ANSC 140

Recent Term(s) Offered: spring 2020

ANSC 340 Meats and Meat Products 3 Hours

A non-technical course designed for the average consumer. The role of meats and meat products in human nutrition; meat substitutes; grading and inspection; identification and selection of wholesale and retail cuts of meat; care and storage of meat products are studied.

Prerequisite(s): ANSC 140

Course Fee: \$100

Recent Term(s) Offered: fall 2021; fall 2022

ANSC 342 Advanced Riding Maneuvers and Collection 3 Hours

Collection of a horse and application of certain advanced maneuver techniques, such as the side pass, spin, lead changed, sliding stops, and jumping.

Prerequisite(s): ANSC 232

Recent Term(s) Offered: None

ANSC 344 Physiology and Anatomy of Domestic Animals 3 Hours

Physiology and anatomy as related to livestock production, nutrition and disease emphasizing digestive, reproductive and endocrine systems.

Prerequisite(s): ANSC 140 and BIOL 120

Recent Term(s) Offered: spring 2021

ANSC 345 Principles of Animal Nutrition 3 Hours

Principles of nutrition basic to animal feeding; chemistry and physiology of nutrition: nutrient requirements for normal body functions.

Prerequisite(s): ANSC 140 and BIOL 120 and CHEM 107

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ANSC 347 Animal Pathology 3 Hours

Distribution, nature, manner of dissemination, methods of control, prevention and eradication of infectious and parasitic diseases of domestic animals are discussed.

Prerequisite(s): ANSC 140 and BIOL 120

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ANSC 350 Equine Career Opportunities 2 Hours

A comprehensive study of careers in the Equine industry. Interaction with Equine industry professionals, hands on learning opportunities, and insight into specific career paths will be provided.

Prerequisite(s): ANSC 130 and ANSC 131

Recent Term(s) Offered: None

ANSC 360 Equine Events Management 3 Hours

Fundamentals of managing equine and other livestock events. Involves active participation in preparing for and conducting WKU equine events. Lecture/lab.

Prerequisite(s): ANSC 130 and ANSC 131

Recent Term(s) Offered: None

ANSC 428 Equine Health and Welfare 2 Hours

Principles of equine health and welfare will be discussed with an emphasis on industry standards of care. Topics covered include body systems, nutritional management, husbandry, lameness and pain management, euthanasia, and welfare in areas of production and sport.

Prerequisite(s): ANSC 130 and ANSC 131 and ANSC 345

Corequisite(s): ANSC 429

Recent Term(s) Offered: spring 2020

ANSC 429 Equine Health and Welfare Laboratory 1 Hour

A laboratory course correlated with ANSC 428.

Corequisite(s): ANSC 428

Recent Term(s) Offered: spring 2020

ANSC 431 Dairy Production 2 Hours

Principles of nutrition and management and their practical application to commercial dairy herds are emphasized.

Prerequisite(s): ANSC 345 and ANSC 140

Corequisite(s): ANSC 432

Recent Term(s) Offered: fall 2020

ANSC 432 Dairy Production Laboratory 1 Hour

A laboratory course correlated with ANSC 431.

Corequisite(s): ANSC 431

Recent Term(s) Offered: fall 2020

ANSC 437 Physiology of Reproduction in Domestic Animals 2 Hours

Endocrinology and physiology of reproductive systems; anatomical, physiological and biochemical bases of reproduction; factors affecting means of improving efficiency of reproduction, artificial insemination, synchronized estrus and related topics are presented.

Prerequisite(s): ANSC 140 (may be taken concurrently) and BIOL 120 (may be taken concurrently)

Corequisite(s): ANSC 438

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ANSC 438 Physiology of Reproduction in Domestic Animal Laboratory 1 Hour

A laboratory course correlated with ANSC 437.

Corequisite(s): ANSC 437

Course Fee: \$50

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ANSC 439 Equine Reproduction and Breeding 3 Hours

Reproductive anatomy and physiology of the stallion and mare as they relate to modern breeding practices. Training in semen handling, artificial insemination, and neonatal care.

Prerequisite(s): (ANSC 330 and ANSC 331)

Recent Term(s) Offered: None

ANSC 440 Advanced Livestock Evaluation and Selection 3 Hours
(repeatable max of 3 hrs)

Genetic and environmental factors involved in selecting beef cattle, hogs, sheep, dairy cattle and horses. Techniques of evaluating the economically important traits of prospective breeding animals are emphasized. Students will participate in intercollegiate competition. Note: Instructor's consent may be required.

Prerequisite(s): ANSC 338

Recent Term(s) Offered: spring 2022

ANSC 442 Beef Production 2 Hours

History and importance of the beef cattle industry; programs and areas of production, selection, breeding, feeding and management and common diseases are included.

Prerequisite(s): ANSC 345 and ANSC 140

Corequisite(s): ANSC 443

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

ANSC 443 Beef Production Laboratory 1 Hour

A laboratory course correlated with ANSC 442.

Corequisite(s): ANSC 442

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

ANSC 444 Swine Production 2 Hours

History and importance of the swine industry; programs and areas of production; selection, breeding, feeding and management; and common diseases are stressed.

Prerequisite(s): ANSC 345 and ANSC 140

Corequisite(s): ANSC 445

Recent Term(s) Offered: None

ANSC 445 Swine Production Laboratory 1 Hour

A laboratory course correlated with ANSC 444.

Corequisite(s): ANSC 444

Recent Term(s) Offered: None

ANSC 446 Animal Breeding 2 Hours

Application of genetic and statistical principles to breeding and improvement of farm animals; the role of selection in changing populations; effect of different mating systems upon improvement of farm animals are investigated.

Prerequisite(s): ANSC 140 and BIOL 120 and AGRI 291

Corequisite(s): ANSC 447

Recent Term(s) Offered: None

ANSC 447 Animal Breeding Laboratory 1 Hour

A laboratory course correlated with ANSC 446.

Corequisite(s): ANSC 446

Recent Term(s) Offered: None

ANSC 448 Animal Feeds and Feeding Practices 4 Hours (repeatable max of 4 hrs)

Livestock feeds and their nutrients; functions of and requirements for nutrients; evaluation of feeds, feeding practices and formulation of rations for all species of livestock are included; techniques involved in nutrition research; readings in current literature are presented.

Prerequisite(s): ANSC 345 (may be taken concurrently)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ANSC 458 Animal Growth and Meat Quality 3 Hours

Comprehensive overview of factors affecting animal growth, carcass composition, and meat quality.

Prerequisite(s): ANSC 140 and BIOL 120

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Recent Term(s) Offered: None

ANSC 475 Selected Topics in Agriculture 1-3 Hours (repeatable max of 6 hrs)

Special topics acquaint advanced undergraduate students with scientific developments of current interest in agriculture. Appropriate topic titles are assigned. Lecture and assignments vary with credit. May be repeated with change in content. Note: Consent of instructor required.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

Animation (ANIM)

ANIM 210 Introduction to Computer Animation 3 Hours

This course gives students an overview of the multi-step process of computer animation from start to finish. Students will create basic animated clips using industry-standard 3D applications.

Restriction(s): Enrollment is limited to students in User Experience (1747) , Game Design (1761) , Graphic Design (1762) , Studio Art (312) , Art History (316) , Computer Animation (352) , Graphic Design (385) , Visual Studies (509) , Visual Arts (514) , Visual Arts (514P) or Art History (613)

Recent Term(s) Offered: fall 2022

ANIM 220 3D Modeling I: Environment 3 Hours

This course introduces students to the process of creating 3D content needed for animated projects in a variety of applications, including game development, animation for film, and fine art. The course focuses on modeling objects and environments.

Recent Term(s) Offered: spring 2022; fall 2022

ANIM 310 Computer Animation I 3 Hours

This course gives students an understanding of and practice with the multi-step process of computer animation from start to finish and introduces them to the creative possibilities within the discipline of 3D computer animation. Students will create animated clips using industry-standard 3D applications.

Prerequisite(s): ANIM 210 and (ART 130 or ART 140)

Restriction(s): Enrollment is limited to students in User Experience (1747) , Game Design (1761) , Graphic Design (1762) , Studio Art (312) , Computer Animation (352) , Graphic Design (385) , Visual Studies (509) , Visual Arts (514) , Visual Arts (514P) or Art History (613)

Course Fee: \$85

Recent Term(s) Offered: None

ANIM 320 3D Modeling II: Character Design and Development 3 Hours

This course introduces students to the process of designing and developing characters, from concept sketch to 3D modeling, for use in animated projects in a variety of applications, including game development, animation for film, and fine art.

Prerequisite(s): ANIM 220 and (ART 140 or ART 130)

Restriction(s): Enrollment is limited to students in User Experience (1747) , Game Design (1761) , Graphic Design (1762) , Studio Art (312) , Art History (316) , Computer Animation (352) , Graphic Design (385) , Visual Studies (509) , Visual Arts (514) , Visual Arts (514P) or Art History (613)

Recent Term(s) Offered: None

ANIM 330 Sound and Image 3 Hours

Sound greatly enhances visual experience, and sound working in tandem with image is one of the most profound ways to convey ideas. Students will experiment with creating abstract digital sound, emphasizing the integration of visual elements with sound, exploring these as ingredients of communication and art practice for screen- and time-based art, installation art, game design, and animation.

Prerequisite(s): (ANIM 210 or ANIM 220) and (ART 140 or ART 130)

Restriction(s): Enrollment is limited to students in User Experience (1747) , Game Design (1761) , Graphic Design (1762) , Studio Art (312) , Art History (316) , Computer Animation (352) , Graphic Design (385) , Visual Studies (509) , Visual Arts (514) , Visual Arts (514P) or Art History (613)

Recent Term(s) Offered: fall 2022

ANIM 344 Computer Animation II 3 Hours

This course is designed for experienced intermediate 3D animation students. The course introduces more sophisticated 3D animation concepts and techniques.

Prerequisite(s): ANIM 310

Restriction(s): Enrollment is limited to students in User Experience (1747) , Game Design (1761) , Graphic Design (1762) , Studio Art (312) , Computer Animation (352) , Graphic Design (385) , Visual Studies (509) , Visual Arts (514) , Visual Arts (514P) or Art History (613)

Course Fee: \$85

Recent Term(s) Offered: fall 2022

Anthropology (ANTH)

ANTH 120 Introduction to Cultural Anthropology 3 Hours

Introduction to the cross-cultural study of human behavior and society. Topics normally include environment and food, economics, social and political organization, marriage and family, culture and personality, religion, social movements, and social change. **Colonnade/Statewide General Education Code E-SB | SB**

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ANTH 125 Introduction to Biological Anthropology 3 Hours

Introduction to primatology, human origins and evolution, modern human biological variation, and other topics of biological anthropology, emphasizing biological adaptations within the framework of evolutionary theory.

Recent Term(s) Offered: fall 2021

ANTH 130 Introduction to Archaeology 3 Hours

Introduction to the scientific study of the archaeological record, emphasizing location methods, recovery methods, dating methods, archaeological classification, and interpretative models. **Colonnade/Statewide General Education Code E-SB | SB**

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ANTH 135 Introduction to Linguistic Anthropology 3 Hours

Introduction to the study of the relations among language, culture, and society. Topics include language origins and history, language and gender, multilingualism, verbal art, and applied linguistic anthropology.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ANTH 300 Forensic Anthropology 3 Hours

Analysis of human skeletal remains and other evidence in a medicolegal context, emphasizing bone identification, race and sex determination, age and stature estimation, trauma and pathology assessment, and taphonomy evaluation.

Prerequisite(s): (ANTH 125 or BIOL 131)

Recent Term(s) Offered: spring 2021

ANTH 305 Paleoanthropology: Human Origins and Evolution 3 Hours

Scientific examination of the origins and biocultural evolution of humans, emphasizing evolutionary theory, evidence for human evolution, long-term trends, important fossil finds and sites, taxonomic classifications, and phylogenetic relationships. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): (ANTH 130 or BIOL 113 or BIOL 131 or GEOL 112) and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2020; fall 2022

ANTH 316 The Archaeology of Environmental Change 3 Hours

The archaeological study of the impact of the environment on humans and of humans on the environment. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ANTH 318 The Archaeologist Looks at Death 3 Hours

Theories, concepts, and methodologies of the anthropological and archaeological study of death and burial.

Recent Term(s) Offered: spring 2022

ANTH 333 The Archaeology of Ancient China 3 Hours

Culture-historical overview of Ancient China from the Paleolithic to the Qin Empire focusing on major anthropological themes in Chinese archaeology and world prehistory.

Recent Term(s) Offered: spring 2021

ANTH 335 Old World Prehistory 3 Hours

A survey of prehistoric indigenous developments in the Old World, focusing on regional adaptations, representative sites and artifacts, food production and complex society, and chronologies.

Recent Term(s) Offered: None

ANTH 336 New World Prehistory 3 Hours

Survey of prehistoric indigenous developments in North, Central and South America, focusing on peopling the New World, regional adaptations, representative sites and artifacts, food production and complex society, and chronologies.

Recent Term(s) Offered: None

ANTH 340 Peoples and Cultures of Latin America 3 Hours

Study of the history and development of present cultures in Latin America with emphasis on economics, politics, religion, folklife and world view of indigenous, peasant and urban peoples.

Equivalent(s): FLK 340

Recent Term(s) Offered: None

ANTH 341 Peoples and Cultures of Asia 3 Hours

Study of the cultures of South, East, and Southeast Asia with emphasis on origins, prehistoric and historic migrations, ecology, and subsistence patterns, and the origins and evolution of the major civilizations of India, China, Japan, and Vietnam. Topics include kinship and the family, religion, social organization, gender, economy, colonialism and independence, globalization and development, and maintenance of traditions in modern contexts.

Equivalent(s): FLK 341

Recent Term(s) Offered: None

ANTH 342 Peoples and Cultures of the Caribbean 3 Hours

Examination of the variety of cultural practices found in modern-day Caribbean societies with attention to historical roots. Topics include, but are not limited to, definition of the region, religious practices, festivals, musical traditions, migration and everyday social life and conditions.

Colonnade/Statewide General Education Code K-SY

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Equivalent(s): FLK 342

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022; summer 2022

ANTH 343 Anthropology of Gender 3 Hours

A comparative study of the role gender plays in various aspects of culture. Topics include distribution of labor, environmental impact, and ideological constraints on gender constructs in a cross-cultural concept.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ANTH 345 Peoples and Cultures of Native North America 3 Hours

Survey of the cultures of the original peoples of North America, with emphasis on the ethnographic present.

Equivalent(s): FLK 345

Recent Term(s) Offered: None

ANTH 350 Peoples and Cultures of Africa 3 Hours

Survey of the cultures of Africa, with emphasis on historical development and contemporary cultural diversity.

Equivalent(s): AFAM 350, FLK 350

Recent Term(s) Offered: None

ANTH 360 Applied Anthropology – Understanding and Addressing Contemporary Human Problems 3 Hours

History and development of applied anthropology emphasizing identification of and solutions to social, economic, ecological, and technological problems. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; fall 2022

ANTH 366 Special Topics in Anthropology 3 Hours (repeatable max of 9 hrs)

Opportunity for in-depth examination of anthropological topics of current disciplinary and student interest.

Recent Term(s) Offered: spring 2020; summer 2022

ANTH 378 Southern Appalachian Folklife 3 Hours

Folklife of southern Appalachia, as reflected in the material folk culture, in traditional folk customs and practices, legends, anecdotes, songs, language, and literature.

Equivalent(s): FLK 378

Recent Term(s) Offered: None

ANTH 382 Medical Anthropology 3 Hours

Cross-cultural examination of definitions of health and wellness, attitudes towards and cultural construction of illness, treatments for disease, and aging. Particular emphasis on examples from non-Western societies.

Recent Term(s) Offered: spring 2022

ANTH 388 Foodways 3 Hours

Exploration of the relationship between food and culture. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Equivalent(s): FLK 388

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

ANTH 395 Laboratory Practicum in Archaeology or Biological Anthropology 3 Hours (repeatable max of 9 hrs)

Practical experience in artifact accession, inventory, curation and documentation or in preparation of educational displays using archaeological and biological collections at the WKU Anthropology Lab. Graded pass-fail. Repeatable for 9 hours, 3 hours of which may count in the first 30 hours in the major or 21 hours of the minor. Note: ANTH 125 required for biological anthropology practicum, ANTH 130 required for archaeology practicum, ANTH 470/FLK 470 required for educational displays practicum, or consent of instructor. Course pass required.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; spring 2022; fall 2022

ANTH 399 Field Methods in Ethnography 3 Hours

An examination of the history, theory, techniques, and ethics of ethnographic fieldwork, including practical fieldwork experience.

Equivalent(s): FLK 399

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

ANTH 400 Ethnomusicology 3 Hours

Survey of the concepts and methods of ethnomusicology. Topics include history of ethnomusicology, transcription and analysis, musicians, musical instruments, music acculturation, and the function of music in society.

Equivalent(s): FLK 400

Recent Term(s) Offered: None

ANTH 410 African-American Music 3 Hours

A survey of selected musical styles created and developed by African-Americans from the 17th to the 20th century: spirituals, blues, popular music forms (e.g. soul, reggae, rap music). Emphasis will be placed on the historical factors and sociocultural trends that influenced the development of African-American music.

Equivalent(s): FLK 410, AFAM 410

Recent Term(s) Offered: None

ANTH 432 Field Course in Archaeology 1-9 Hours (repeatable max of 9 hrs)

Includes archaeological survey, site mapping, artifact recovery, recording, and cataloging. Work is usually conducted on prehistoric Indian sites. The number of credit hours will be determined in consultation with instructor. Note: Permission of instructor may be required.

Prerequisite(s): ANTH 130

Recent Term(s) Offered: spring 2020; summer 2020; summer 2021; summer 2022

ANTH 434 Graveyard Archaeology 3 Hours (repeatable max of 6 hrs)

Application of archaeological methods in the documentation of historic graveyards, emphasizing legal mandates, formation processes, subsurface prospecting, remote sensing, mapping and headstone recording. Students must arrange own travel to field site(s).

Course Fee: \$10

Recent Term(s) Offered: None

ANTH 436 Applied Archaeology 3 Hours

Examines contract archaeology and public archaeology within the context of cultural resource management, emphasizing legal mandates, field methods, public education programs, and ethical considerations.

Prerequisite(s): ANTH 130

Recent Term(s) Offered: None

ANTH 438 Archaeological Lab Methods 3 Hours (repeatable max of 3 hrs)

Provides practical experience in the methods and techniques for classifying and analyzing archaeological materials and interpreting the resulting data.

Prerequisite(s): ANTH 130

Recent Term(s) Offered: fall 2020; fall 2022

ANTH 442 Ecological and Economic Anthropology 3 Hours

Analysis of economic systems and cultural adaptations to the environment of Western and non-Western societies, with particular attention paid to the Caribbean and/or Latin America.

Recent Term(s) Offered: None

ANTH 446 Anthropology of Religion 3 Hours

A cross-cultural examination of religious beliefs and practices. Topics include myth, ritual, shamanism and healing, and the role of religion in social control and social change.

Recent Term(s) Offered: None

ANTH 448 Visual Anthropology 3 Hours

This course examines photography and film as tools and products of cross-cultural research with special emphasis on cultural and political biases presented through visual means.

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2020; fall 2021

ANTH 449 Ethnographic Video Production 3 Hours

Video production as a research methodology in anthropology. Practical exercises and collaborative student projects. Students will produce their own short ethnographic videos. Explores practices of representing cultures through video.

Prerequisite(s): ANTH 448

Recent Term(s) Offered: spring 2020

ANTH 450 Modern Human Biological Variation 3 Hours

Uses evolutionary theory to study biological similarities and differences among living human populations on morphological, skeletal, and molecular levels, emphasizing anthropometry, racial classification, inheritance, population genetics, adaptation, disease, and intelligence.

Prerequisite(s): (MATH 109 or MATH 116) and (ANTH 125 or BIOL 327 or BIOL 430)

Recent Term(s) Offered: None

ANTH 452 Bioarchaeology 3 Hours

The scientific study of human remains from archaeological sites and the application of biological anthropology methods and theories in archaeological research in order to reconstruct past human lifeways such as health, diet and nutrition, physical activities, mortuary practices, and social organization.

Prerequisite(s): ANTH 125 or BIOL 131

Recent Term(s) Offered: spring 2022

ANTH 470 Museum Procedures and Preservation Techniques 3 Hours

Essential aspects of museums and preservation, i.e. collecting, preserving, researching, exhibiting, and interpreting material culture.

Equivalent(s): FLK 470

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ANTH 493 Archaeology Stewardship 3 Hours (repeatable max of 6 hrs)

Field monitoring, assessment, and documentation of the integrity of local archaeological sites threatened by cultural and natural formation processes. Students must arrange own travel to field sites. Note: A course pass and at least six additional hours in anthropology required.

Prerequisite(s): ANTH 130

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021

ANTH 495 Directed Study 1-4 Hours (repeatable max of 8 hrs)

Available to superior students who wish to conduct individual, intensive reading and research in a specific area of anthropology in close cooperation with supervising faculty. Submission of such projects to student sections of regional professional meetings is encouraged. Number of credit hours will be determined in consultation with instructor. Note: Consent of department head and course pass required.

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; summer 2021; spring 2022; summer 2022; fall 2022

ANTH 499 Senior Seminar 1 Hour

Anthropological concepts and theories, current topics and developments in the discipline, anthropology careers and graduate programs, and professional ethics. To be taken in the last year of the student's program of study in anthropology. Note: 15 hours of Anthropology courses required prior to enrollment.

Prerequisite(s): ANTH 120 and ANTH 125 and ANTH 130 and ANTH 135

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Enrollment is limited to students in Anthropology (608)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Arabic (ARBC)

ARBC 101 Elementary Arabic I 3 Hours

Prepares students to communicate verbally and in writing in simple routine tasks, to understand written or spoken communication on everyday topics and to develop cultural awareness.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021

ARBC 102 Elementary Arabic II 3 Hours

Continuation of the development of communication skills on everyday topics and of cultural insights. Fulfills World Language with a grade of C or better.

Prerequisite(s): (ARBC 101 or LPROF: ARABIC Composite with a score of 2 or High School 2 years Arabic)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022

ARBC 200 Introduction to Arab Studies 3 Hours

An interdisciplinary introduction to the study of Arab culture and to regional/cultural studies in general, designed to increase understanding of the diversity of Arab culture; the influence of language, religion, geography and history on Arab culture; and how cultural themes are expressed in artifacts such as literature, art, architecture, and film.

Colonnade/Statewide General Education Code E-AH | AH

Recent Term(s) Offered: spring 2022

ARBC 201 Intermediate Arabic I 3 Hours

Expansion of communication skills in increasingly complex and varied situations. Emphasis on conversational speaking, presentational writing and speaking, and understanding culturally specific texts and media. Fulfills World Language with a grade of C or better.

Prerequisite(s): ARBC 102

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ARBC 202 Intermediate Arabic II 3 Hours

Continued expansion of interpersonal communication skills at the intermediate level. Emphasis on increasing comprehension, the building of vocabulary, and on presentational modes of speaking and writing. Fulfills World Language with a grade of C or better.

Prerequisite(s): ARBC 201

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ARBC 301 Advanced Arabic I 3 Hours

A continued expansion of interpersonal communication skills. Emphasis on improved comprehension, mastery of more complex linguistic structures, and speaking and writing on culturally specific texts and media. Fulfills World Language with a grade of C or better.

Prerequisite(s): ARBC 202

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ARBC 302 Advanced Arabic II 3 Hours

A continued expansion of interpersonal communication skills. Emphasis on advance comprehension, speaking and writing on culturally specific texts and mastery of more complex expressions and linguistic structures. Fulfills World Language with a grade of C or better.

Prerequisite(s): ARBC 301

Recent Term(s) Offered: fall 2020; fall 2021

ARBC 306 Experiencing Arabic Abroad 1-3 Hours (repeatable max of 6 hrs)

Supervised language and cultural studies accomplished during a study abroad program. Students will receive transferable credit for language study done during the study abroad program with the approval of instructor. Fulfills World Language with a grade of C or better. Note: Permission of instructor and enrollment in supervised language study while abroad is required.

Recent Term(s) Offered: None

ARBC 310 Structure of Arabic Language 3 Hours

Introduction to Arabic morphology and syntax with an emphasis on applying this knowledge to improving reading comprehension strategies.

Prerequisite(s): (ARBC 102 or High School 2 years Arabic)

Restriction(s): Enrollment is limited to students in Arabic (315) or Arabic (609)

Recent Term(s) Offered: spring 2020; spring 2021

ARBC 321 Colloquial Arabic 3 Hours

A course in pronunciation, comprehension and oral expression in colloquial Arabic. Exercises focus on navigating common situations of daily life in an Arabic speaking country. Fulfills World Language with a grade of C or better.

Prerequisite(s): ARBC 302

Recent Term(s) Offered: fall 2020; spring 2022

ARBC 322 Arabic Translation Studies 3 Hours

A concentrated study of the intricacies and methods of Arabic translation work (both Arabic to English and English to Arabic) and the responsibilities of the professional translator. Fulfills World Language with a grade of C or better.

Prerequisite(s): ARBC 302

Recent Term(s) Offered: None

ARBC 323 Arabic Civilization I 3 Hours

A survey course in early Arab history, culture and religion, from the pre-Islamic period through the eighteenth century. Taught in Arabic. Fulfills World Language with a grade of C or better.

Prerequisite(s): ARBC 302

Recent Term(s) Offered: spring 2022

ARBC 324 Arabic Civilization II 3 Hours

A survey course in later Arab history, culture and religion, from the eighteenth century to the present. Taught in Arabic. Fulfills World Language with a grade of C or better.

Prerequisite(s): ARBC 302

Recent Term(s) Offered: spring 2021

ARBC 357 Arabic for International Service 3 Hours (repeatable max of 9 hrs)

Develops the specific vocabulary and communication skills essential for a career in diplomacy, government service, or humanitarian service in the Arab world. Note: Three years of high school Arabic could apply for prerequisite.

Prerequisite(s): ARBC 302

Recent Term(s) Offered: spring 2020; spring 2022

ARBC 389 Internship in Arabic 1-3 Hours (repeatable max of 6 hrs)

Supervised work using Arabic in a professional setting. Fulfills World Language with a grade of C or better. Note: Permission of instructor is required.

Restriction(s): Enrollment is limited to students in Arabic (315) or Arabic (609)

Recent Term(s) Offered: None

ARBC 418 Business Arabic 3 Hours

Develops the specific vocabulary and communication skills, as well as cultural knowledge essential for a career in business in the Arab world. Note: Three years of high school Arabic may apply as prerequisite.

Prerequisite(s): ARBC 302

Recent Term(s) Offered: spring 2021

ARBC 435 Arabic Literature 3 Hours

Reading of Arabic texts from the pre-Islamic period in the 20th century representing the major genres and movements of Arabic literature. Fulfills World Language with a grade of C or better.

Prerequisite(s): ARBC 302

Recent Term(s) Offered: None

ARBC 436 Qur'anic Arabic 3 Hours

Detailed reading and analysis of selected suras from the Qur'an in Arabic, with a focus on the distinctive grammar; vocabulary and structures of Qur'anic Arabic.

Prerequisite(s): (ARBC 302 or High School Arabic PreReq with a score of 3)

Restriction(s): Enrollment is limited to students in Arabic (315) or Arabic (609)

Recent Term(s) Offered: None

ARBC 437 Advanced Media Arabic 3 Hours

Study of Arabic media reporting in written, audio and video formats, focusing on political, economic and security issues in their cultural contexts. Fulfills World Language with a grade of C or better.

Prerequisite(s): ARBC 302

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ARBC 438 Topics in Arabic Media 3 Hours

An advanced study of Arabic media reporting in written, audio and video formats, focusing on social, ideological and cultural issues in their cultural contexts. Fulfills World Language with a grade of C or better.

Prerequisite(s): ARBC 302

Recent Term(s) Offered: spring 2020

ARBC 455 Topics in Arabic Literature and Culture 3 Hours

Reading of Arabic texts on selected themes of cultural and literary interest. Topics may change with each iteration of the course. Fulfills World Language with a grade of C or better.

Prerequisite(s): ARBC 302

Recent Term(s) Offered: None

ARBC 499 Advanced Studies in Arabic 1-4 Hours (repeatable max of 6 hrs)

Guided independent study in culture, language, or literature of the Arab world. Maybe used with prior consent of full-time program faculty for work conducted during study abroad. Fulfills World Language with a grade of C or better. Note: Permission of instructor is required.

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

Architectural & Manufacturing (AMS)

AMS 102 Technical Graphics 1 Hour

An introduction to the basic skills and applications of drawing techniques. Sketching and instrument drafting with emphasis on line weights, lettering, equipment use, geometric construction and pictorial drawings.

Recent Term(s) Offered: None

AMS 120M1 Basic Electricity Module 1 1 Hour

Basic concepts of AC and DC current, various types of circuits, electron theory and electrical laws.

Prerequisite(s): (MPE - Algebra with a score of 14 or SAT Mathematics Score with a score of 510 or ACT Math with a score of 22 or KYOTE College Algebra with a score of 14 or Compass - Algebra with a score of 50) or (MATH 100 with a minimum grade of C or MA 100C with a minimum grade of C)

Recent Term(s) Offered: None

AMS 120M2 Basic Electricity Module 2 1 Hour

Basic concepts of AC and DC current, various types of circuits, electron theory and electrical laws.

Prerequisite(s): AMS 120M1

Recent Term(s) Offered: None

AMS 120M3 Basic Electricity Module 3 1 Hour

Basic concepts of AC and DC current, various types of circuits, electron theory and electrical laws.

Prerequisite(s): AMS 120M2

Recent Term(s) Offered: None

AMS 205M1 CADD for Manufacturing Module 1 1 Hour

A solids modeling course designed to develop skills on the use of a PC based mechanical design software to build feature-based, parametric solid models of parts and assemblies. Manufacturing drawings - orthographics - of those parts and assemblies are produced.

Recent Term(s) Offered: None

AMS 205M2 CADD for Manufacturing Module 2 1 Hour

A solids modeling course designed to develop skills on the use of a PC based mechanical design software to build feature-based, parametric solid models of parts and assemblies. Manufacturing drawings - orthographics - of those parts and assemblies are produced.

Prerequisite(s): AMS 205M1

Recent Term(s) Offered: None

AMS 205M3 CADD for Manufacturing Module 3 1 Hour

A solids modeling course designed to develop skills on the use of a PC based mechanical design software to build feature-based, parametric solid models of parts and assemblies. Manufacturing drawings - orthographics - of those parts and assemblies are produced.

Prerequisite(s): AMS 205M2

Recent Term(s) Offered: None

AMS 217M1 Industrial Materials Module 1 1 Hour

Survey of materials concepts and their applications to the production of manufactured items. Included will be basic procedures for testing manufacturing materials and discussions of materials processing concepts and cautions.

Prerequisite(s): (MATH 116 or MA 116C)

Recent Term(s) Offered: None

AMS 217M2 Industrial Materials Module 2 1 Hour

Survey of materials concepts and their applications to the production of manufactured items. Included will be basic procedures for testing manufacturing materials and discussions of materials processing concepts and cautions.

Prerequisite(s): AMS 217M1

Recent Term(s) Offered: None

AMS 217M3 Industrial Materials Module 3 1 Hour

Survey of materials concepts and their applications to the production of manufactured items. Included will be basic procedures for testing manufacturing materials and discussions of materials processing concepts and cautions.

Prerequisite(s): AMS 217M2

Recent Term(s) Offered: None

AMS 227M1 Introduction to Manufacturing Methods Module 1 1 Hour

A descriptive study of manufacturing processes using production equipment with laboratory experience in forming and separating processes.

Recent Term(s) Offered: None

AMS 227M2 Introduction to Manufacturing Methods Module 2 1 Hour

A descriptive study of manufacturing processes using production equipment with laboratory experience in forming and separating processes.

Prerequisite(s): AMS 227M1

Recent Term(s) Offered: None

AMS 227M3 Introduction to Manufacturing Methods Module 3 1 Hour

A descriptive study of manufacturing processes using production equipment with laboratory experience in forming and separating processes.

Prerequisite(s): AMS 227M2

Recent Term(s) Offered: None

AMS 271M1 Industrial Statistics Module One 1 Hour

Introduction to basic statistics used in industrial settings. Measurements, scales, data collection and organization, probability and discrete distributions, measures of central tendency, measures of dispersion, and continuous distributions.

Prerequisite(s): (MATH 116 or MA 116C or MATH 117 or MA 117C or MATH 118 or MATH 119 or MATH 127 or MATH 121 or MATH 136 or MATH 137 or MATH 142 or MATH 206 or MATH 237 or MATH 240 or MATH 275 or MATH 304 or MATH 305 or MATH 306)

Recent Term(s) Offered: None

AMS 271M2 Industrial Statistics Module Two 1 Hour

Statistical Process Control (SPC) for both variable and attribute data. Xbar, R, S, p, np, c and u charts, and variable subgroup data applications. Process analysis and capability. Individual charts.

Prerequisite(s): AMS 271M1 with a minimum grade of B

Recent Term(s) Offered: None

AMS 271M3 Industrial Statistics Module Three 1 Hour

Acceptance sampling plans and corresponding OC curves. Consumer/producer relationship. Introductory inferential statistics including confidence intervals, hypothesis, z tests, t-tests, and ANOVA. Awards, certification, and quality management.

Prerequisite(s): AMS 271M2 with a minimum grade of B

Recent Term(s) Offered: None

AMS 310M1 Work Design / Ergonomics Module 1 1 Hour

Design for people-machine interaction, including an introduction to the relevant underlying human sciences. Theory, data, and measurement problems in human information processing, training and industrial safety.

Prerequisite(s): (MATH 116 or MA 116C)

Recent Term(s) Offered: None

AMS 310M2 Work Design / Ergonomics Module 2 1 Hour

Design for people-machine interaction, including an introduction to the relevant underlying human sciences. Theory, data, and measurement problems in human information processing, training and industrial safety.

Prerequisite(s): AMS 310M1

Recent Term(s) Offered: None

AMS 310M3 Work Design / Ergonomics Module 3 1 Hour

Design for people-machine interaction, including an introduction to the relevant underlying human sciences. Theory, data, and measurement problems in human information processing, training and industrial safety.

Prerequisite(s): AMS 310M2

Recent Term(s) Offered: None

AMS 328M1 Robotics and Machine Vision Module 1 1 Hour

Introduction to capabilities and limitations of robotic machine vision systems, as well as fundamentals of programming. Laboratory activities are focused toward manufacturing applications.

Recent Term(s) Offered: None

AMS 328M2 Robotics and Machine Vision Module 2 1 Hour

Introduction to capabilities and limitations of robotic machine vision systems, as well as fundamentals of programming. Laboratory activities are focused toward manufacturing applications.

Prerequisite(s): AMS 328M1

Recent Term(s) Offered: None

AMS 328M3 Robotics and Machine Vision Module 3 1 Hour

Introduction to capabilities and limitations of robotic machine vision systems, as well as fundamentals of programming. Laboratory activities are focused toward manufacturing applications.

Prerequisite(s): AMS 328M2

Recent Term(s) Offered: None

AMS 342M1 Manufacturing Operations Module 1 1 Hour

Survey of methods for designing products for improved quality and manufacturability in industry, and designing manufacturing processes for improved reliability.

Prerequisite(s): (AMS 271 or AMS 271M3)

Recent Term(s) Offered: None

AMS 342M2 Manufacturing Operations Module 2 1 Hour

Survey of methods for designing products for improved quality and manufacturability in industry, and designing manufacturing processes for improved reliability.

Prerequisite(s): AMS 342M1

Recent Term(s) Offered: None

AMS 342M3 Manufacturing Operations Module 3 1 Hour

Survey of methods for designing products for improved quality and manufacturability in industry, and designing manufacturing processes for improved reliability.

Prerequisite(s): AMS 342M2

Recent Term(s) Offered: None

AMS 343M1 Automated Systems Module 1 1 Hour

Techniques of automated systems dealing with material handling, PLC, and off-the-shelf computer control systems. Programming the microprocessor for control applications may be included. Note: Instructor approval may be required.

Prerequisite(s): (AMS 120 or AMS 120M3)

Recent Term(s) Offered: None

AMS 343M2 Automated Systems Module 1 1 Hour

Techniques of automated systems dealing with material handling, PLC, and off-the-shelf computer control systems. Programming the microprocessor for control applications may be included.

Prerequisite(s): AMS 343M1

Recent Term(s) Offered: None

AMS 343M3 Automated Systems Module 1 1 Hour

Techniques of automated systems dealing with material handling, PLC, and off-the-shelf computer control systems. Programming the microprocessor for control applications may be included.

Prerequisite(s): AMS 343M2

Recent Term(s) Offered: None

AMS 352M1 Food Processing: Unit Operations Module 1 1 Hour

An overview of unit operations and processing techniques used in food processing industry. Topics include thermal processing, low temperature preservation, dehydration, irradiation, enzyme technology, separation and concentration, evaporation and distillation, and high-pressure and minimal processing methods.

Recent Term(s) Offered: None

AMS 352M2 Food Processing: Unit Operations Module 2 1 Hour

An overview of unit operations and processing techniques used in food processing industry. Topics include thermal processing, low temperature preservation, dehydration, irradiation, enzyme technology, separation and concentration, evaporation and distillation, and high-pressure and minimal processing methods.

Prerequisite(s): AMS 352M1

Recent Term(s) Offered: None

AMS 352M3 Food Processing: Unit Operations Module 3 1 Hour

An overview of unit operations and processing techniques used in food processing industry. Topics include thermal processing, low temperature preservation, dehydration, irradiation, enzyme technology, separation and concentration, evaporation and distillation, and high-pressure and minimal processing methods.

Prerequisite(s): AMS 352M2

Recent Term(s) Offered: None

AMS 356M1 Systems Design and Operation Module 1 1 Hour

A study of manufacturing organizations and their administration, facilities layout, work systems, forecasting and decision making. Applications of resource planning determining product demand, controlling inventory, goods and services.

Prerequisite(s): (AMS 271 or AMS 271M3)

Recent Term(s) Offered: None

AMS 356M2 Systems Design and Operation Module 2 1 Hour

A study of manufacturing organizations and their administration, facilities layout, work systems, forecasting and decision making. Applications of resource planning determining product demand, controlling inventory, goods and services.

Prerequisite(s): AMS 356M1

Recent Term(s) Offered: None

AMS 356M3 Systems Design and Operation Module 3 1 Hour

A study of manufacturing organizations and their administration, facilities layout, work systems, forecasting and decision making. Applications of resource planning determining product demand, controlling inventory, goods and services.

Prerequisite(s): AMS 356M2

Recent Term(s) Offered: None

AMS 368M1 Problem Solving Module One 1 Hour

An application oriented introduction to basic research of practical industrial problems. Development, information gathering, data collection, and literature review on real technological problems.

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

AMS 368M2 Problem Solving Module Two 1 Hour

Introduction to basic analytical tools applied to practical industrial problems. Critical evaluation, assessment, scientific analysis, graphical representation and root cause exploration of real technological problems.

Prerequisite(s): AMS 368M1 with a minimum grade of B

Recent Term(s) Offered: None

AMS 368M3 Problem Solving Module Three 1 Hour

Presentation of solutions for practical industrial problems. Comprehensive reporting and presentation of multiple approaches to real technological problems using scientific justification.

Prerequisite(s): AMS 368M2 with a minimum grade of B

Recent Term(s) Offered: None

AMS 370M1 Computer Numerical Control Module 1 1 Hour

Computer-aided manufacturing techniques including manual and computer-assisted numerical control. Students program and operate CNC machining centers. Note: Permission of instructor may be required.

Prerequisite(s): (AMS 227 or AMS 227M3)

Recent Term(s) Offered: None

AMS 370M2 Computer Numerical Control Module 2 1 Hour

Computer-aided manufacturing techniques including manual and computer-assisted numerical control. Students program and operate CNC machining center. (Laboratory)

Prerequisite(s): AMS 370M1

Recent Term(s) Offered: None

AMS 370M3 Computer Numerical Control Module 3 1 Hour

Computer-aided manufacturing techniques including manual and computer-assisted numerical control. Students program and operate CNC machining center.

Prerequisite(s): AMS 370M2

Recent Term(s) Offered: None

AMS 371M1 Quality Assurance Module 1 1 Hour

A study of quality assurance techniques. Application of Statistical Process Control (SPC), acceptance sampling, military standards 105D & 414. Quality organizations and standards.

Recent Term(s) Offered: None

AMS 371M2 Quality Assurance Module 2 1 Hour

A study of quality assurance techniques. Application of Statistical Process Control (SPC), acceptance sampling, military standards 105D & 414. Quality organizations and standards. Course Fee

Recent Term(s) Offered: None

AMS 371M3 Quality Assurance Module 3 1 Hour

A study of quality assurance techniques. Application of Statistical Process Control (SPC), acceptance sampling, military standards 105D & 414. Quality organizations and standards.

Recent Term(s) Offered: None

AMS 372 Commercial Architectural Floor Planning 3 Hours

Planning and drawing small commercial buildings with CAD and conventional techniques, study of specifications, identification of sources of materials, acceptable design and drafting techniques emphasized. Lecture and Laboratory.

Prerequisite(s): AMS 263

Course Fee: \$25

Recent Term(s) Offered: None

AMS 390M1 Project Management Module 1 1 Hour

Core concepts of project management based on processes of initiating, planning, executing, controlling and closing projects. Topics include project proposals, project selection, scope definition, CPM and PERT scheduling, budgeting, control techniques, and project manager skills.

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Students cannot enroll who are in Manufacturing Engineering Tech (5006) , Advanced Manufacturing (506) , Architectural Science (518) , Construction Management (533) , Computer Information Tech (555) , Technology Management (575) or Industrial(Voc,Career,Tech)Ed (599)

Recent Term(s) Offered: None

AMS 390M2 Project Management Module 2 1 Hour

Core concepts of project management based on processes of initiating, planning, executing, controlling and closing projects. Topics include project proposals, project selection, scope definition, CPM and PERT scheduling, budgeting, control techniques, and project manager skills.

Prerequisite(s): AMS 390M1

Restriction(s): Students cannot enroll who are in Manufacturing Engineering Tech (5006) , Advanced Manufacturing (506) , Architectural Science (518) , Construction Management (533) , Computer Information Tech (555) , Technology Management (575) or Industrial(Voc,Career,Tech)Ed (599)

Recent Term(s) Offered: None

AMS 390M3 Project Management Module 3 1 Hour

Core concepts of project management based on processes of initiating, planning, executing, controlling and closing projects. Topics include project proposals, project selection, scope definition, CPM and PERT scheduling, budgeting, control techniques, and project manager skills.

Prerequisite(s): AMS 390M2

Restriction(s): Students cannot enroll who are in Manufacturing Engineering Tech (5006) , Advanced Manufacturing (506) , Architectural Science (518) , Construction Management (533) , Computer Information Tech (555) , Technology Management (575) or Industrial(Voc,Career,Tech)Ed (599)

Recent Term(s) Offered: None

AMS 394M1 Lean Manufacturing Module 1 1 Hour

Introduction to the production system and the role of inventory, market characterization, aggregate planning, lean manufacturing and the just-in-time philosophy.

Recent Term(s) Offered: None

AMS 394M2 Lean Manufacturing Module 2 1 Hour

Introduction to the production system and the role of inventory, market characterization, aggregate planning, lean manufacturing and the just-in-time philosophy.

Prerequisite(s): AMS 394M1

Recent Term(s) Offered: None

AMS 394M3 Lean Manufacturing Module 3 1 Hour

Introduction to the production system and the role of inventory, market characterization, aggregate planning, lean manufacturing and the just-in-time philosophy.

Prerequisite(s): AMS 394M2

Recent Term(s) Offered: None

AMS 396M1 Introduction to Supply Chain Management Module 1 1 Hour

Introduction to supply chain management and risk pooling, logistics network configuration, the value of information, customer value and decision support systems.

Recent Term(s) Offered: None

AMS 396M2 Introduction to Supply Chain Management Module 2 1 Hour

Introduction to supply chain management and risk pooling, logistics network configuration, the value of information, customer value and decision support systems.

Prerequisite(s): AMS 396M1

Recent Term(s) Offered: None

AMS 396M3 Introduction to Supply Chain Management Module 3 1 Hour

Introduction to supply chain management and risk pooling, logistics network configuration, the value of information, customer value and decision support systems.

Prerequisite(s): AMS 396M2

Recent Term(s) Offered: None

AMS 430M1 Technology Management / Supervision / Team Building Module 1 1 Hour

This course will provide an introduction to the fundamentals of industrial supervision. Students will develop the skills, knowledge, and philosophies required to function in a highly technical, industrial environment in a supervisory capacity. Content includes a study of leadership, management, management-labor relations, supervisory intuition, and various legal issues.

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

AMS 430M2 Technology Management / Supervision / Team Building Module 2 1 Hour

This course will provide an introduction to the fundamentals of industrial supervision. Students will develop the skills, knowledge, and philosophies required to function in a highly technical, industrial environment in a supervisory capacity. Content includes a study of leadership, management, management-labor relations, supervisory intuition, and various legal issues.

Prerequisite(s): AMS 430M1

Recent Term(s) Offered: None

AMS 430M3 Technology Management / Supervision / Team Building Module 3 1 Hour

This course will provide an introduction to the fundamentals of industrial supervision. Students will develop the skills, knowledge, and philosophies required to function in a highly technical, industrial environment in a supervisory capacity. Content includes a study of leadership, management, management-labor relations, supervisory intuition, and various legal issues.

Prerequisite(s): AMS 430M2

Recent Term(s) Offered: spring 2020; spring 2021

AMS 490M1 Senior Research Module 1 1 Hour

Students work on research projects utilizing skills and knowledge from prior courses in the program. Projects performed, when possible, for local industry. Note: Consent of instructor required.

Recent Term(s) Offered: None

AMS 490M2 Senior Research Module 2 1 Hour

Students work on research projects utilizing skills and knowledge from prior courses in the program. Projects performed, when possible, for local industry. Note: Consent of instructor may be required.

Prerequisite(s): AMS 490M1

Recent Term(s) Offered: None

AMS 490M3 Senior Research Module 3 1 Hour

Students work on research projects utilizing skills and knowledge from prior courses in the program. Projects performed, when possible, for local industry. Note: Consent of instructor may be required.

Prerequisite(s): AMS 490M2

Recent Term(s) Offered: None

Architectural Sciences (AS)

AS 151 Architectural Graphics 3 Hours

An introduction to the basic skills of drawing and modeling techniques. Sketching and drafting with emphasis on line weights, lettering, equipment, geometric construction and pictorial drawings. Conventional modeling and an introduction to software applications with emphasis on 3D form, context and material delineation.

Course Fee: \$50

Recent Term(s) Offered: fall 2021; spring 2022; fall 2022

AS 163 Architectural Drafting 3 Hours

An introductory course using sketching and CADD software to teach orthographic projection, isometric projection, sections, dimensioning, and 3D modeling. This course designed for majors in the Architectural Sciences Concentration, Interior Design, Civil Engineering, Geography and Textiles.

Course Fee: \$50

Recent Term(s) Offered: fall 2021; spring 2022; fall 2022

AS 180 Introduction to Architecture 3 Hours

It covers the basic concepts of building design and architectural theory of various architectural styles. The primary vehicle of investigation will be the architectural artifacts of the built environment and the philosophical rationale behind the motivation for the creation. **Colonnade/Statewide General Education Code E-AH | AH**

Recent Term(s) Offered: fall 2021; winter 2022; summer 2022; fall 2022

AS 251 3D Modeling and Imaging 3 Hours

Introduction to 3D modeling, animation, and visualization techniques. Topics include 3D solids, perspective projection, lighting, cameras, texturing, walk-through and fly-by animations using current industry software.

Prerequisite(s): AS 151 and AS 163

Course Fee: \$20

Recent Term(s) Offered: fall 2021; spring 2022; fall 2022

AS 263 Architecture Documentation I 3 Hours

Planning and producing residential construction drawings. Residential construction standards and codes; building materials research and specification.

Prerequisite(s): AS 163 with a minimum grade of C and CM 261 (may be taken concurrently)

Course Fee: \$50

Recent Term(s) Offered: fall 2021; fall 2022

AS 273 Architectural Detailing 3 Hours

Architectural detailing in terms of function, contractibility, and aesthetics. A transition from architectural ideas to build reality. Detailing as a means of controlling: water, air heat flow, sound, aging, and load transfer. Detailing with respect to economics, ease of assembly, efficiency, and problem solving. Lecture and Laboratory.

Prerequisite(s): AS 263 with a minimum grade of C

Course Fee: \$50

Recent Term(s) Offered: spring 2022

AS 305 Building Codes 3 Hours

Introduction to format and content of current building codes, including interpretation and code research for application to residential and commercial projects, with emphasis on building design.

Prerequisite(s): CM 261

Course Fee: \$20

Recent Term(s) Offered: fall 2021; summer 2022; fall 2022

AS 351 Building Information Modeling 3 Hours

Advanced course in architectural modeling, focusing on the concepts and processes of creating object-oriented databases by embedding relevant building information into parametric modeling systems, and extracting building data using standard industry software applications.

Prerequisite(s): AS 251 with a minimum grade of C and AS 263 with a minimum grade of C

Course Fee: \$20

Recent Term(s) Offered: spring 2022; summer 2022

AS 369 Architectural Design Studio I 4 Hours

Design processes using architectural projects as case studies, design experience includes schematic design, program development, design methodologies, graphic and verbal communication skills, and environmental influences on building design: geographic location, daylighting, natural ventilation, size and shape. Lecture and laboratory.

Prerequisite(s): AS 263

Course Fee: \$30

Recent Term(s) Offered: spring 2022

AS 373 Architecture Documentation II 3 Hours

Planning and producing commercial construction drawings. Commercial construction standards and codes; building materials research and specification.

Prerequisite(s): AS 273 with a minimum grade of C and AS 305 and SEAS 325 and AS 351

Course Fee: \$50

Recent Term(s) Offered: fall 2021; fall 2022

AS 375 Special Architectural Problems 3 Hours

A research project is required that includes a written report and an innovative design of a non-standard dwelling done on CAD or with conventional drafting tools. Lecture and laboratory.

Course Fee: \$25

Recent Term(s) Offered: fall 2021; winter 2022; summer 2022; fall 2022

AS 378 Architectural / Professional Presentation 3 Hours

Techniques to present an idea, concept, architectural design, and individual talents. Techniques include architectural modeling, both physical and virtual; presentation graphics; virtual walk-through and fly-by; portfolio design; and web page development. Lecture and Laboratory.

Prerequisite(s): AMS 369

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Course Fee: \$25

Recent Term(s) Offered: None

AS 380 Independent Study in Industrial Sciences 3 Hours

This course is designed for the undergraduate student who would like to study different aspects of technology, that may or may not be included in existing formal courses of instruction. Both the theoretical and empirical parts of the investigation will be reported in a formal document. Note: Special permission required prior to enrollment.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Course Fee: \$10

Recent Term(s) Offered: spring 2022

AS 463 Architecture Documentation III 3 Hours

Advanced planning and producing commercial construction drawings relating to additions, renovations, and demolition. Commercial construction standards and codes; building materials research and specification; systems coordination.

Course Fee: \$50

Recent Term(s) Offered: None

AS 469 Architectural Design Studio II 4 Hours

Advanced analysis, synthesis, and appraisal techniques responding to contemporary architectural issues. Theory and practice of architecture as art and science. In-depth studio experience in: schematic design and design development; selection and conceptual design of structural systems; mechanical and electrical systems, materials and connective systems, specifications and building costs with focus on sustainable design. Lecture and Laboratory. Note: Course pass required.

Prerequisite(s): AS 273 and CM 282 and AS 369

Course Fee: \$50

Recent Term(s) Offered: fall 2021; summer 2022; fall 2022

AS 470 Land Development 4 Hours

Land development in terms of promoting: a community, human well-being, environmental sustainability, green space and economic growth. Site analysis, climatic and regional analysis, cultural and contextual analysis, and human pattern language will be investigated and applied. Lecture and Laboratory. Note: Course pass required.

Prerequisite(s): AMS 273

Recent Term(s) Offered: None

AS 488 Comprehensive Design 3 Hours

Identification and collaboration with a real world client, architectural proposals, project programmatic requirements, project research, site analysis, building codes and regulations, professional portfolio. Note: Consent of instructor may be required.

Prerequisite(s): AS 373 (may be taken concurrently) and AS 369

Course Fee: \$25

Recent Term(s) Offered: fall 2021; fall 2022

AS 490 Senior Research for Architectural Sciences 3 Hours

Students work on capstone research projects utilizing skills and knowledge from prior courses in the Architectural Sciences program. Projects in this course will simulate real life projects encountered in industry.

Prerequisite(s): AS 373 with a minimum grade of C and AS 488 with a minimum grade of C

Course Fee: \$50

Recent Term(s) Offered: spring 2022

Art (ART)

ART 100 Art Appreciation 3 Hours

An introductory study of the visual arts. **Colonnade/Statewide General Education Code E-AH | AH**

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

ART 102 Introduction to Making Art & Making Meaning 3 Hours

A hands-on material-specific course for non-art majors. Explores the formal elements, techniques, concepts and vocabulary of visual art through physical manipulation of one or more art materials (for example ceramics, paint, metals, or fibers). Examines art's central and proactive role in the articulation of culture and its important function in determining societal norms and shifts throughout time. **Colonnade/Statewide General Education Code E-AH | AH**

Course Fee: \$50

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022

ART 105 History of Art to 1300 3 Hours

A selective chronological study of the visual arts from prehistoric through Gothic times. The course is designed as an introduction to the basic terminology and problems of art history and to methods of analyzing and interpreting individual works of art. **Colonnade/Statewide General Education Code E-AH | AH**

Recent Term(s) Offered: fall 2020; fall 2021; spring 2022

ART 106 History of Art Since 1300 3 Hours

A selective chronological study of the major visual arts from renaissance through modern times. **Colonnade/Statewide General Education Code E-AH | AH**

Recent Term(s) Offered: spring 2020; summer 2020; spring 2021; summer 2021; spring 2022; summer 2022; fall 2022

ART 130 Two-Dimensional Design 3 Hours

This course is an introduction to the elements and principles of design and their creative application in two-dimensional design problems.

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$50

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 131 Three-Dimensional Design 3 Hours

An introduction to the elements and principles of three-dimensional design through problems using natural and synthetic materials.

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 140 Drawing 3 Hours

This course introduces the fundamentals of drawing with emphasis on line, perspective or rendering. Course content is derived from still life, landscape and figure.

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$50

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

ART 220 Ceramics 3 Hours

An introduction to ceramic art forming and glazing techniques.

Prerequisite(s): (ART 105 (may be taken concurrently) or ART 106 (may be taken concurrently)) and ART 131 and ART 140

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 230 Color Concepts 3 Hours

This course deals with concepts and applications of color in assigned two-dimensional problems.

Prerequisite(s): ART 140 and ART 130

Recent Term(s) Offered: fall 2021

ART 231 Graphic Design I: Typography 3 Hours

An introduction to typographic competencies, some of the fundamental building blocks of graphic design. Projects enable an understanding of the history and principles of typography. The course will introduce current computer technologies and the skills necessary for developing and executing basic typographic concepts.

Prerequisite(s): ART 130 and ART 243 (may be taken concurrently) with a minimum grade of C

Restriction(s): Enrollment is limited to students in User Experience (1747), Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P) or Art History (613)

Course Fee: \$85

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 240 Drawing 3 Hours

This course introduces the student to specific problems in composition.

Prerequisite(s): ART 140

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

ART 243 Digital Media 3 Hours

Introduction to digital media development utilizing current software programs and tools for print design, digital design, animation, and interactive media. This course emphasizes technical skill and contextual creativity.

Prerequisite(s): ART 130 and ART 140

Restriction(s): Enrollment is limited to students in User Experience (1747), Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P) or Art History (613)

Course Fee: \$85

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

ART 250 Printmaking 3 Hours

This course introduces the student to printmaking through one of the following processes: relief, screenprinting, intaglio, lithography, collagraph or monotype.

Prerequisite(s): (ART 105 (may be taken concurrently) or ART 106 (may be taken concurrently)) and ART 130 and ART 140

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 260 Painting 3 Hours

The purpose of this course is to acquaint students with the fundamental techniques of painting.

Prerequisite(s): (ART 105 (may be taken concurrently) or ART 106 (may be taken concurrently)) and ART 130 and ART 140

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 270 Sculpture Survey I 3 Hours

A survey of sculpture production methods, including modeling, mold making, carving and fabricating in various materials. Students will explore traditional and contemporary techniques that can be used to express their understanding of the human condition by sculptural means.

Prerequisite(s): (ART 105 (may be taken concurrently) or ART 106 (may be taken concurrently)) and ART 131 and ART 140

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 280 Weaving 3 Hours

This course is an introduction to weaving, including rya, flossa, and tapestry rug techniques plus techniques for yardage and wall hanging.

Prerequisite(s): ART 105 (may be taken concurrently) and ART 130 and ART 140

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 305 Ancient Greek and Roman Art 3 Hours

Investigation of the artistic heritage of Ancient Greece and Rome from the Bronze Age to 476 CE.

Prerequisite(s): ART 105

Recent Term(s) Offered: fall 2021

ART 310 Art Education in the Elementary School 3 Hours

A requirement for elementary education majors, this course studies the materials, methods and functions of art in the elementary curriculum through the use of lectures, readings, observations and selected studio problems.

Prerequisite(s): EDU 250 (may be taken concurrently) and PSY 310 (may be taken concurrently)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Course Fee: \$50

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 311 Foundations of Art Education and Methods I 3 Hours

An introductory course for theoretical as well as practical foundations of elementary and/or middle school art education and methods. Field experience will be required. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): (ART 105 (may be taken concurrently) with a minimum grade of C or ART 106 (may be taken concurrently) with a minimum grade of C) and EDU 250 (may be taken concurrently) with a minimum grade of C

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Course Fee: \$65

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ART 312 Art of the United States to 1865 3 Hours

A survey of art and architecture of the United States from its beginnings to the end of the Civil War.

Prerequisite(s): ART 106

Recent Term(s) Offered: None

ART 313 Art of the United States Since 1865 3 Hours

A survey of art and architecture in the United States from the Civil War to the present day.

Prerequisite(s): ART 106

Recent Term(s) Offered: spring 2021

ART 314 Southern Baroque Art 3 Hours

A survey of the art and architecture of Italy and Spain of the seventeenth century. Note: Permission of instructor may be required.

Prerequisite(s): ART 106

Recent Term(s) Offered: None

ART 315 Northern Baroque Art 3 Hours

A survey of art and architecture of northern Europe of the seventeenth century with an emphasis on Dutch, Flemish, and French traditions.

Prerequisite(s): ART 106

Recent Term(s) Offered: None

ART 316 Medieval Art & Architecture 3 Hours

A study of the art and architecture of Europe from the early third century through the fourteenth century.

Prerequisite(s): ART 105

Recent Term(s) Offered: spring 2020; fall 2022

ART 317 Art and Power 3 Hours

A systematic consideration of the means through which the visual arts embody and promote ideologies and shape human societies. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: winter 2020; summer 2020; winter 2021; summer 2021; winter 2022; summer 2022

ART 318 Art and Landscape 3 Hours

Critical examination of the theme of landscape in the visual arts.

Colonnade/Statewide General Education Code K-LG

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: winter 2020; summer 2020; summer 2021; summer 2022

ART 321 Ceramics 3 Hours

This course emphasizes forming techniques that complement the talents and concepts of intermediate level ceramic art students.

Prerequisite(s): ART 220

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 325 Art of Asia, Africa, and the Americas 3 Hours

Visual arts of indigenous cultures from four continents: Asia, the Americas and Africa.

Prerequisite(s): (ART 105 or ART 106)

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2021

ART 330 Graphic Design II: Layout & Information Design 3 Hours

This course combines active-learning experiences with formative portfolio practice in graphic design. Students will conduct design research, learn preproduction/production techniques, and utilize industry software to work through contextual obstacles and aesthetic strategies concerning the visualization of information.

Prerequisite(s): ART 231

Restriction(s): Enrollment is limited to students in User Experience (1747), Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P) or Art History (613)

Course Fee: \$85

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

ART 331 Visual Thinking 3 Hours

Focuses on the process of lateral thinking and the visualization of design problems and their solutions. Emphasizes effective research, imagination, originality, and execution in various media.

Prerequisite(s): ART 231 and ART 243

Restriction(s): Enrollment is limited to students in User Experience (1747), Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P) or Art History (613)

Course Fee: \$85

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

ART 334 Survey of Graphic Design 3 Hours

This course investigates the evolution of graphic design from pre-historic visual communications through the computer graphics revolution.

Prerequisite(s): ART 105 and ART 106 and ART 231

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 340 Drawing 3 Hours

Composition and exploration of different media and techniques are emphasized in drawing from still life arrangements, landscapes or figure.

Prerequisite(s): ART 240

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

ART 341 Drawing 3 Hours

Advanced drawing is provided in this course, with continued emphasis on composition and technique.

Prerequisite(s): ART 340

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

ART 343 Digital Media: Time-Based 3 Hours

Exploration of time-based and experimental digital art, including computer animation, interactive multimedia, World Wide Web and emerging applications of computer graphics in visual art.

Prerequisite(s): ART 243

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$85

Recent Term(s) Offered: None

ART 350 Printmaking 3 Hours

Emphasizes the development of imagery through one of the following processes: relief, screen-printing, intaglio, lithography, collagraph, monotype or digital.

Prerequisite(s): ART 250

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 351 Printmaking 3 Hours

Continues the student's development of personal imagery and technical proficiency through printmaking.

Prerequisite(s): ART 350

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 360 Painting 3 Hours

This course stresses the creative approach to painting media. Emphasis is placed upon developing and understanding of the materials, principles and techniques inherent in a work of art. Outside reading and pictorial investigations are assigned.

Prerequisite(s): ART 260

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 361 Painting 3 Hours

This course requires students to apply knowledge, understanding and skills in painting with increased competence and insight.

Prerequisite(s): ART 360

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 370 Sculpture Survey II 3 Hours

Further development of basic sculptural materials and techniques.

Prerequisite(s): ART 270

Restriction(s): Enrollment is limited to students in Game Design (1761) , Graphic Design (1762) , Studio Art (312) , Art History (316) , Computer Animation (352) , Graphic Design (385) , Visual Studies (509) , Visual Arts (514) , Visual Arts (514P) , Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 371 Sculpture Methods, Welding I 3 Hours

Advanced work in sculpture composition. Welding is introduced, using oxyacetylene, electric or gas arc.

Prerequisite(s): ART 370

Restriction(s): Enrollment is limited to students in Game Design (1761) , Graphic Design (1762) , Studio Art (312) , Art History (316) , Computer Animation (352) , Graphic Design (385) , Visual Studies (509) , Visual Arts (514) , Visual Arts (514P) , Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; spring 2022; fall 2022

ART 372 Sculpture, Figurative Studies 3 Hours (repeatable max of 6 hrs)

Focuses on the human figure, its various applications and meanings as a vehicle for aesthetic expression in contemporary sculpture.

Prerequisite(s): ART 270

Restriction(s): Enrollment is limited to students in Game Design (1761) , Graphic Design (1762) , Studio Art (312) , Art History (316) , Computer Animation (352) , Graphic Design (385) , Visual Studies (509) , Visual Arts (514) , Visual Arts (514P) or Art History (613)

Course Fee: \$65

Recent Term(s) Offered: spring 2021; fall 2021; fall 2022

ART 373 Installation Art 3 Hours (repeatable max of 6 hrs)

Introduction to and practice with concepts, materials and methods of installation art. Students will experiment with developing their own artistic voice through creating site-specific art installations. Off campus field trip may be taken. Note: Any 200-level course in studio art or graphic design is required to take this course.

Restriction(s): Enrollment is limited to students in Game Design (1761) , Graphic Design (1762) , Studio Art (312) , Art History (316) , Computer Animation (352) , Graphic Design (385) , Visual Studies (509) , Visual Arts (514) , Visual Arts (514P) or Art History (613)

Course Fee: \$65

Recent Term(s) Offered: spring 2020

ART 377 Design to Prototype I 3 Hours

This course will allow students in creative fields to explore traditional and new production methods within the creative markets and allied design fields. It will provide instruction in a range of topics, technologies, and processes in the design and production of prototypes and physical 2D and 3D assets.

Restriction(s): Enrollment is limited to students in User Experience (1747) , Game Design (1761) , Graphic Design (1762) , Studio Art (312) , Art History (316) , Computer Animation (352) , Graphic Design (385) , Visual Studies (509) , Visual Arts (514) , Visual Arts (514P) or Art History (613)

Recent Term(s) Offered: None

ART 380 Weaving 3 Hours

In this course, the creative and individual approach is emphasized in weaving full-size items using techniques learned in Weaving 280, in addition to other weaving techniques.

Prerequisite(s): ART 280

Restriction(s): Enrollment is limited to students in Game Design (1761) , Graphic Design (1762) , Studio Art (312) , Art History (316) , Computer Animation (352) , Graphic Design (385) , Visual Studies (509) , Visual Arts (514) , Visual Arts (514P) , Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 381 Weaving 3 Hours

In this course, the student is expected to investigate one or more selected areas of weaving.

Prerequisite(s): ART 380

Restriction(s): Enrollment is limited to students in Game Design (1761) , Graphic Design (1762) , Studio Art (312) , Art History (316) , Computer Animation (352) , Graphic Design (385) , Visual Studies (509) , Visual Arts (514) , Visual Arts (514P) , Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2021; spring 2022; fall 2022

ART 390 Contemporary Art 3 Hours

Consideration of the diverse influences, developments, and trends in the visual arts since World War II.

Prerequisite(s): ART 106

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ART 395 A Cultural History of Alcohol 3 Hours

An examination of the role that alcohol plays in historical development among various world cultures over time. Instructor may choose to focus on a specific region and/or time period. **Colonnade/Statewide General Education Code K-SC**

Equivalent(s): HIST 395

Recent Term(s) Offered: None

ART 399 Professional Work 3 Hours (repeatable max of 6 hrs)

Application for or enrollment in Cooperative Education plan, approval of Co-op Faculty Advisor and of department head and development of written Learning Plan. Practical experience in art in a supervised work situation within a cooperating private enterprise or public agency. Adequately prepared students are placed in a situation in which theoretical knowledge may be applied to actual professional experience.

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

ART 401 Art of the Italian Renaissance 3 Hours

This course analyzes the architecture, sculpture and painting of the Italian Renaissance with emphasis on the examination of selected examples.

Prerequisite(s): ART 105 and ART 106

Recent Term(s) Offered: fall 2022

ART 403 Northern Renaissance Art 3 Hours

A study of Netherlandish, German, and French art from late 14th through 16th centuries. Emphasis is placed upon the work of such major figures as van Eyck, van der Weyden, van der Goes, Bosch, Bruegel, Gruenewald, and Durer. Note: Permission of instructor.

Prerequisite(s): ART 106

Recent Term(s) Offered: fall 2020

ART 405 Art Theory and Criticism 3 Hours

A study of major theories of art, both historical and contemporary, and of various approaches to making qualitative judgments about individual works of art.

Prerequisite(s): ART 105 and ART 106

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ART 407 Islamic Art and Architecture 3 Hours

A survey of art and architecture in the Islamic world from 622 through the present day. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2020; fall 2022

ART 408 European Art, 1700-1848 3 Hours

An investigation of the visual arts of Europe from the Age of Absolutism to the Revolutions of 1848. Examines the visual arts of eighteenth and early nineteenth century Europe including movements and styles such as Rococo, Neoclassicism, and Romanticism.

Prerequisite(s): ART 106

Recent Term(s) Offered: spring 2022

ART 409 European Art, 1848-1900 3 Hours

Examines the visual arts of mid to late nineteenth century Europe including movements and styles such as Realism, Impressionism, and Post-Impressionism.

Prerequisite(s): ART 106

Recent Term(s) Offered: spring 2021

ART 410 European Art, 1900-1945 3 Hours

Examines the visual arts of Europe from the beginning of the twentieth century until the end of World War II.

Prerequisite(s): ART 106

Recent Term(s) Offered: None

ART 411 Foundations of Art Education and Methods II 3 Hours

This second art education methods course provides diverse experiences related to art education theory and practice in elementary, middle, and high schools. Field experiences in public schools outside the regular class sessions are required. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): ART 311 with a minimum grade of C and EDU 250 with a minimum grade of C and PSY 310 with a minimum grade of C and SPED 330 with a minimum grade of C

Course Fee: \$65

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; fall 2022

ART 413 Foundations of Art Education and Methods III 3 Hours

Long-term curriculum design, assessment and classroom management methods appropriate for visual arts instruction in middle and high schools. Field experience is required. Students are responsible for arranging their own transportation.

Prerequisite(s): ART 411 with a minimum grade of C

Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may **not** enroll.

Course Fee: \$65

Recent Term(s) Offered: fall 2020; fall 2021

ART 420 Ceramics 3 Hours

A continuation of production in clay form and research in experimental clay and glaze composition.

Prerequisite(s): ART 321

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 421 Ceramics 3 Hours

This course requires advanced individual performance in creative design concepts and in research and recording.

Prerequisite(s): ART 420

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

ART 422 Ceramics 3 Hours

This course is a continuation of ART 421.

Prerequisite(s): ART 421

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: fall 2020; spring 2021; spring 2022

ART 423 Pottery Wheel Techniques 3 Hours

Development of wheel-thrown shapes that reflect innovative thinking and mature craftsmanship.

Prerequisite(s): ART 422

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2022

ART 424 Ceramic Glaze Composition 3 Hours

Investigation of the thermal behavior of glaze chemicals and compounds.

Prerequisite(s): ART 422

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2022; fall 2022

ART 425 Ceramic Studio Equipment Design 3 Hours

Study of the design and construction of basic studio equipment, including kilns, burners, potters wheels, and slab rollers.

Prerequisite(s): ART 423

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2021

ART 426 Special Firing Techniques 3 Hours

Experimentation with oxidation and reduction kiln firing techniques including raku, salt, lustre, and bizen.

Prerequisite(s): ART 423

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: fall 2021

ART 430 Graphic Design III: Advanced Graphic Design 3 Hours

Course will provide opportunities to create personal, expressive projects that will result in comprehensive portfolio-ready work for graphic designers. Self-motivation and a committed desire to design are required for this course.

Prerequisite(s): ART 330 with a minimum grade of C and ART 331 with a minimum grade of C

Restriction(s): Enrollment is limited to students in User Experience (1747), Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P) or Art History (613)

Course Fee: \$85

Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

ART 431 Illustration 3 Hours

This course develops the ability to apply a variety of media and techniques to solve problems in illustration.

Prerequisite(s): ART 240 with a minimum grade of C

Restriction(s): Enrollment is limited to students in User Experience (1747), Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P) or Art History (613)

Course Fee: \$85

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ART 432 Portfolio 3 Hours

This course is designed to inform and to guide the student in assembling a portfolio for professional presentation.

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 433 Package Design 3 Hours

Techniques and aesthetics of package design.

Prerequisite(s): ART 330 and ART 131

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$85

Recent Term(s) Offered: winter 2020; fall 2020; fall 2021; fall 2022

ART 434 Capstone Seminar 1 Hour

Seminar workshop with emphasis on presentation and practices appropriate to future development. To be taken the last semester of the student's program of study in art.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 436 Digital Illustration 3 Hours

This computer-based course provides advanced instruction in illustration using industry-standard software.

Prerequisite(s): ART 243 with a minimum grade of C

Restriction(s): Enrollment is limited to students in User Experience (1747), Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P) or Art History (613)

Course Fee: \$85

Recent Term(s) Offered: summer 2020; fall 2020; summer 2021; fall 2021; fall 2022

ART 438 Advanced Media Design 3 Hours

Advanced level studio course that combines previously acquired art and design skills with new strategies to produce print and digital design for on-screen media and user interactions. Places strong focus on self-directed projects and experiential learning.

Prerequisite(s): ART 330 with a minimum grade of C and ART 331 with a minimum grade of C

Restriction(s): Enrollment is limited to students in User Experience (1747), Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P) or Art History (613)

Course Fee: \$85

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; spring 2021; summer 2021; spring 2022

ART 440 Drawing 3 Hours

Advanced drawing explorations through individual problem solving.

Prerequisite(s): ART 341

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

ART 444 Computer Animation III 3 Hours

An upper level of 3D computer animation, dedicated to exploring the possibilities of computer animation in a fine-art and experimental context, particularly emphasizes creative experimentation, personal expression based on an interdisciplinary practice aimed at bridging the arts and technologies.

Prerequisite(s): ANIM 344

Course Fee: \$85

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

ART 445 American Architectural History 3 Hours

An interdisciplinary survey of American architectural history, including trends and styles, architect designed and manufactured structures and elements, and the social history of American architecture.

Equivalent(s): FLK 445

Recent Term(s) Offered: spring 2021

ART 450 Printmaking 3 Hours

Stresses advanced printmaking techniques and requires students to have strong personal imagery.

Prerequisite(s): ART 351

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; fall 2022

ART 451 Printmaking 3 Hours

Printmaking exploration through research and creative activity.

Prerequisite(s): ART 450

Corequisite(s): ART 452

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 452 Printmaking 3 Hours

This course consists of advanced research problems in printmaking.

Prerequisite(s): ART 451

Corequisite(s): ART 451

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2021; fall 2021; spring 2022; fall 2022

ART 453 Senior Techniques in Printmaking 3 Hours

Develops mastery printmaking skills.

Prerequisite(s): ART 452

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2022; fall 2022

ART 454 Senior Composition in Printmaking 3 Hours

Exploration of mature personal imagery in printmaking.

Prerequisite(s): ART 452

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: fall 2022

ART 455 Advanced Senior Techniques in Printmaking 3 Hours

Continues the development of master printmaking skills.

Prerequisite(s): ART 453 and ART 454

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: None

ART 456 Advanced Senior Composition in Printmaking 3 Hours

Continues the exploration of mature personal imagery in printmaking.

Prerequisite(s): ART 453 and ART 454

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: None

ART 460 Painting 3 Hours

Research problems in selected painting materials are provided in this course.

Prerequisite(s): ART 361

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 461 Painting 3 Hours

This course consists of advanced individual research problems in painting.

Prerequisite(s): ART 460

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 462 Painting 3 Hours

This course is a continuation of ART 461.

Prerequisite(s): ART 461

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 463 Senior Painting Studio I 3 Hours

Advanced studio exploration through historical, technical and practical methods.

Prerequisite(s): ART 462

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 464 Senior Painting Studio II 3 Hours

Advanced studio using historical, technical and practical methods to create a cohesive body of work.

Prerequisite(s): ART 462

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ART 465 Advanced Senior Painting Studio I 3 Hours

Development of a sustainable studio practice through individual problem solving.

Prerequisite(s): ART 463 and ART 464

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: fall 2020; spring 2022

ART 466 Advanced Senior Painting Studio II 3 Hours

Development of a professional studio practice through individual experimentation and innovation.

Prerequisite(s): ART 463 and ART 464

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2022

ART 470 Sculpture 3 Hours

Sculptural problems. Introduction to metal casting using sand molds.

Prerequisite(s): ART 371

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: fall 2020; fall 2021; spring 2022; fall 2022

ART 471 Sculpture Methods, Foundry I 3 Hours

Sculptural problems. Introduction to the lost-wax method of casting.

Prerequisite(s): ART 371

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2021; fall 2021; spring 2022; fall 2022

ART 472 Sculpture 3 Hours

Experience in solving problems met in professional practice.

Prerequisite(s): ART 471

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; spring 2022

ART 474 Sculpture Methods, Wood 3 Hours

Advanced techniques in wood sculpture.

Prerequisite(s): ART 472

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2022

ART 475 Sculpture Methods, Welding II 3 Hours

Advanced welding techniques in sculpture.

Prerequisite(s): ART 371

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: None

ART 476 Sculpture Methods, Foundry II 3 Hours

Advanced foundry techniques in sculpture.

Prerequisite(s): ART 471

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: None

ART 477 Design to Prototype II 3 Hours

This course will allow students in creative fields to expand upon knowledge of traditional and new production methods within the creative markets and allied design fields. It will provide advanced instruction in a range of topics, technologies, and processes in the design and production of object-based prototypes and physical 3D assets.

Prerequisite(s): ART 377 with a minimum grade of C

Restriction(s): Enrollment is limited to students in User Experience (1747), Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P) or Art History (613)

Recent Term(s) Offered: None

ART 480 Weaving 3 Hours

This course consists of creative research in the areas of double-weave, ikat, the use of indigenous fibers and other more complicated techniques.

Prerequisite(s): ART 381

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: fall 2021

ART 481 Weaving 3 Hours

This course provides for the development of special creative problems involving techniques investigated in ART 480.

Prerequisite(s): ART 480

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: fall 2021

ART 482 Weaving 3 Hours

This course involves advanced individual research in weaving.

Prerequisite(s): ART 481

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2020

ART 483 Senior Fiber Techniques 3 Hours

Develops proficiency in weaving or fiber construction through experiments with traditional and innovative techniques.

Prerequisite(s): ART 482

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: spring 2021

ART 484 Senior Fiber Composition 3 Hours

Explores and develops mature personal concepts and imagery in fiber art.

Prerequisite(s): ART 482

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: None

ART 485 Advanced Senior Fiber Techniques 3 Hours

Continues the development of fiber techniques introduced in ART 483.

Prerequisite(s): ART 483 and ART 484

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: None

ART 486 Advanced Senior Fiber Composition 3 Hours

Continues the development of concepts and imagery in fiber art as begun in ART 484.

Prerequisite(s): ART 483 and ART 484

Restriction(s): Enrollment is limited to students in Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613) or

Course Fee: \$65

Recent Term(s) Offered: None

ART 490 Special Problems 3-6 Hours

Independent course work done on an individual basis under the guidance of a selected faculty member.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

ART 491 Special Studies 3 Hours

Independent course work done on an individual basis under the guidance of a selected faculty member.

Recent Term(s) Offered: winter 2020; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

ART 494 Seminar in Art History 3 Hours (repeatable max of 6 hrs)

An examination of a selected period, movement, or artist which relates historical, formalistic, and theoretical approaches. Emphasis is placed upon accurate observation, critical judgment, and effective communication of ideas. May be repeated once for a total of six hours. Note: One other art history course is required.

Prerequisite(s): ART 105 and ART 106

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Enrollment is limited to students in Visual Studies (509) , Visual Arts (514) or Visual Arts (514P)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022; summer 2022

ART 495 Portfolio Development & Practicum 1-2 Hours (repeatable max of 6 hrs)

Provides advanced students with self-directed study. Under supervision of a faculty member of the student's choosing, course will enable students to create individual works suitable for inclusion in a competitive portfolio.

Prerequisite(s): permission of instructor

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

ART 496 Special Topics in Studio Art 3 Hours (repeatable max of 6 hrs)

Investigates different topics in art through process or technique in a studio practice.

Restriction(s): Enrollment is limited to students in Game Design (1761) , Graphic Design (1762) , Studio Art (312) , Art History (316) , Computer Animation (352) , Graphic Design (385) , Visual Studies (509) , Visual Arts (514) , Visual Arts (514P) or Art History (613)

Course Fee: \$65

Recent Term(s) Offered: winter 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

ART 497 Special Topics in Animation 3 Hours (repeatable max of 9 hrs)

In-depth instruction in a range of topics, technologies, and processes in animation.

Prerequisite(s): ANIM 310

Course Fee: \$85

Recent Term(s) Offered: fall 2021; spring 2022

ART 498 Special Topics in Graphic Design 3 Hours

Investigates topics in graphic design through applied processes or techniques. Explores the professional practice of historical and / or contemporary graphic design, including new and emerging media.

Prerequisite(s): ART 330 (may be taken concurrently) with a minimum grade of C and ART 331 (may be taken concurrently) with a minimum grade of C

Restriction(s): Enrollment is limited to students in User Experience (1747) , Game Design (1761) , Graphic Design (1762) , Studio Art (312) , Art History (316) , Computer Animation (352) , Graphic Design (385) , Visual Studies (509) , Visual Arts (514) , Visual Arts (514P) or Art History (613)

Recent Term(s) Offered: summer 2022

ART 499 Career Experience in Art 3 Hours (repeatable max of 6 hrs)

Application for or enrollment in Cooperative Education plan, approval of Co-op Faculty Advisor and of department head and development of written Learning Plan. Practical experience in art in a supervised work situation within a cooperating private enterprise or public agency. Adequately prepared students are placed in a situation in which theoretical knowledge may be applied to actual professional experience.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; winter 2022; spring 2022; fall 2022

Asian Rels/Cultures (ARC)

ARC 100 Introduction to Asian Studies 3 Hours

Survey of the cultures of one or more regions in Asia. **Colonnade/Statewide General Education Code E-AH | AH**

Recent Term(s) Offered: None

ARC 401 Topics in Asian Religions and Cultures 3 Hours

A seminar course focusing on a specific element of Asian religions or cultures.

Recent Term(s) Offered: None

ARC 498 Study in Asian Religions and Cultures 3 Hours

Directed study and research in Asian religions and cultures.

Recent Term(s) Offered: spring 2021

ARC 499 Senior Seminar 1 Hour

A capstone course designed for senior Asian Religions and Cultures majors. Students will complete projects that demonstrate their research, writing, and analytical skills. Content areas of the seminar will vary by semester and instructor. Note: Consent of instructor may be required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in Asian Religions and Cultures (615)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022; fall 2022

Astronomy (ASTR)

ASTR 104 Astronomy of the Solar System 3 Hours

An introductory study of that portion of the physical universe extending beyond the earth from the sun to the outer limits of the solar system, including its relationship to the rest of the universe and to the earth.

Topics include phenomena visible from earth, the earth's motions and timekeeping, eclipses, motions of planets and satellites, and the historical development of scientific understanding of the solar system. Comparison of physical properties among the sun, planets, and satellites interrelate the earth and its life forms with the extraterrestrial environment that supported the development and continuation of life on earth. This course contains an integral laboratory that includes planetarium exercises and evening observing sessions using telescopes. **Colonnade/Statewide General Education Code E-SL, E-NS | SL, NS**

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ASTR 106 Astronomy of Stellar Systems 3 Hours

An introductory study of that portion of the physical universe in the space beyond the bounds of the solar system. Topics include the physical properties of stars and stellar systems, stellar formation and evolution, supernovas, pulsars, galaxies, quasars, black-holes, and cosmology-scientific theories of the origin, evolution, and fate of the universe on the grandest scale. Emphasis is given to the significance of these topics to the development and fate of the earth and its star. This course contains an integrated laboratory that includes planetarium exercises and evening observing sessions using telescopes. **Colonnade/Statewide General Education Code E-NS, E-SL | SL, NS**

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ASTR 108 Descriptive Astronomy 3 Hours

Introductory survey of our universe; from observations of the sun, moon and stars in the sky to our understanding of planets, stars, galaxies and the overall characteristics of the cosmos. **Colonnade/Statewide General Education Code E-NS | NS**

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ASTR 214 General Astronomy 4 Hours

An introduction to astronomy for science majors. Topics include distances, masses, and luminosities of stars, stellar atmospheres and structure, stellar evolution, star systems, interstellar matter, galaxies, cosmology, the sun, and the solar system. Three hours of lecture and two hours of laboratory per week. **Colonnade/Statewide General Education Code NS, SL**

Prerequisite(s): MATH 136 (may be taken concurrently)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ASTR 275 Astronomy Research Methods 3 Hours

Intensive project-based course to familiarize students with the fundamentals of astronomy using scientific research investigations as examples. Objectives include familiarization with astronomical instrumentation for imaging and spectroscopy of celestial objects, digital image reduction and analysis, and interpretation of results. Additional topics of discussion will include the process and nature of scientific research and professional ethics. Examples will be drawn from popular astronomical investigations in modern astronomy. This course does not count towards a major or minor in physics or astronomy. Note: Permission of instructor may be required.

Prerequisite(s): MATH 117

Recent Term(s) Offered: None

ASTR 298 Research Experiences 1-3 Hours (repeatable max of 3 hrs)

Individual or group research project carried out under the direct supervision of faculty. An oral presentation or paper (reviewed by a faculty committee) is required. Note: Permission of instructor required.

Prerequisite(s): MATH 117 and (ASTR 106 or ASTR 214 or ASTR 275)

Recent Term(s) Offered: spring 2021; fall 2021; spring 2022; fall 2022

ASTR 305 Introduction to Astrobiology 3 Hours

Inter-disciplinary study of life on Earth and possible life beyond Earth. Topics include the environments suitable for life, evolution of life forms, and the search for intelligent extraterrestrial life. Integrates concepts and methods from astronomy, biology, chemistry and geology. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): MATH 116 and (ASTR 106 or BIOL 120 or CHEM 120 or GEOL 111)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ASTR 314 Observational Astronomy 4 Hours (repeatable max of 4 hrs)

A study of the techniques of observational astronomy. Topics include imaging techniques, spherical astronomy, magnitude systems, telescope optics, data acquisition, and statistical analysis of astronomical data. Three hours of lecture and two hours of laboratory per week.

Prerequisite(s): ASTR 214 or (PHYS 103 and ASTR 104) or (ASTR 104 and ASTR 106) or (PHYS 103 and ASTR 106)

Recent Term(s) Offered: spring 2022

ASTR 405 Astronomy for Teachers 3 Hours

Selected topics in astronomy for elementary and secondary teachers.

Does not count toward physics major credit.

Prerequisite(s): (ASTR 104 or ASTR 106 or ASTR 214)

Recent Term(s) Offered: fall 2021

ASTR 414 Astrophysics 4 Hours

Introduction to current astrophysical topics, including radiation theory, the interstellar medium, stellar evolution, galaxies, quasars, and cosmology.

Prerequisite(s): PHYS 321 and MATH 237

Corequisite(s): MATH 331

Recent Term(s) Offered: spring 2021

Biblical Languages (BLNG)

BLNG 152 Biblical Languages I: Introductory Hebrew 3 Hours

A study of the vocabulary, grammar, and syntax of Biblical Hebrew. May be taken either as a foreign language course or as a RELS elective.

Equivalent(s): RELS 152

Recent Term(s) Offered: None

BLNG 153 Biblical Languages II: Intermediate Hebrew 3 Hours

Further development of an understanding of the fundamentals of the Hebrew language with special attention to the reading of selected portions of the Old Testament. May be taken either as a foreign language course or as a RELS elective. Fulfills World Language with a grade of C or better.

Prerequisite(s): (BLNG 152 or RELS 152 or High School 2 years Hebrew)

Equivalent(s): RELS 153

Recent Term(s) Offered: None

BLNG 154 Biblical Languages III: Introductory Greek 3 Hours

A study of the vocabulary, grammar, and syntax of Koine Greek. May be taken either as a foreign language course or as a RELS elective.

Equivalent(s): RELS 154

Recent Term(s) Offered: None

BLNG 155 Biblical Languages IV: Intermediate Greek 3 Hours

Further development of an understanding of Koine Greek with readings in the New Testament and Hellenistic literature. May be taken either as a foreign language course or as a RELS elective. Fulfills World Language with a grade of C or better.

Prerequisite(s): (RELS 154 or High School 2 years Greek)

Equivalent(s): RELS 155

Recent Term(s) Offered: None

Biology (BIOL)

BIOL 113 General Biology 3 Hours

An introductory course in biology for the non-science major, which emphasizes the diversity and organization of life integrated with major principles and new discoveries. **Colonnade/Statewide General Education Code E-NS | NS**

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

BIOL 114 General Biology Laboratory 1 Hour

A laboratory course correlated with BIOL 113 for non-science majors emphasizing the scientific process, biological concepts and biological organization. **Colonnade/Statewide General Education Code E-SL | SL**
Course Fee: \$10

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

BIOL 120 Biological Concepts: Cells Metabolism and Genetics 3 Hours

Introductory course in biology that emphasizes cellular organization and processes, metabolism, DNA structure and replication, and Mendelian and population genetics. **Colonnade/Statewide General Education Code E-NS | NS**

Corequisite(s): BIOL 121

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

BIOL 121 Biological Concepts: Cells, Metabolism, and Genetics Lab 1 Hour

Introductory laboratory in biology that emphasizes the experimental aspects of cellular organization and processes, metabolism, DNA structure and replication, and Mendelian and population genetics.

Colonnade/Statewide General Education Code E-SL | SL

Corequisite(s): BIOL 120

Course Fee: \$15

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

BIOL 122 Biological Concepts: Evolution, Diversity, and Ecology 3 Hours

Introductory course in biology that emphasizes evolutionary patterns and processes, diversity of life (bacteria, archaea, protists, plants, fungi, and animals), ecological principles, and conservation and management.

Colonnade/Statewide General Education Code E-NS | NS

Corequisite(s): BIOL 123

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

BIOL 123 Biological Concepts: Evolution, Diversity, and Ecology Lab 1 Hour

Introductory laboratory in biology for science majors that emphasizes the experimental aspects of evolutionary patterns and processes, diversity of life (bacteria, archaea, protists, plants, fungi, and animals), ecological principles, and conservation and management. **Colonnade/Statewide General Education Code E-SL | SL**

Corequisite(s): BIOL 122

Course Fee: \$20

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

BIOL 131 Human Anatomy and Physiology 4 Hours (repeatable max of 4 hrs)

A basic anatomy and physiology course designed for students in physical education and health science careers. Emphasis is placed upon the concept of homeostasis and relationship of structure and function.

Colonnade/Statewide General Education Code E-NS, E-SL | NS, SL

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

BIOL 175 UNIVERSITY EXPERIENCE-BIOLOGY 2 Hours

Transition to university experience. Topics include study skills, critical thinking skills, library education, exploration of majors and careers, degree programs, campus resources, and personal development. Special attention is given to educational requirements, careers, and resources in the field of biology.

Restriction(s): Enrollment limited to students with a semester level of Freshman.

Recent Term(s) Offered: None

BIOL 199 Introduction to Research Experience 1 Hour

Introduces students to biological research through hands-on, small group sessions. Each student will learn research techniques in modern biology with a focus on ethics and critical thinking.

Course Fee: \$35

Recent Term(s) Offered: None

BIOL 207 General Microbiology 3 Hours

An introduction to microorganisms and their importance to humans (for non-biology majors). Approximately one third of the course is devoted to each of the three major areas of microbiology: organismal, environmental, and medical. (May be taken with or without the correlated laboratory course, BIOL 208, dependent upon the student's curriculum requirements). **Colonnade/Statewide General Education Code E-NS | NS**
Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

BIOL 208 General Microbiology Laboratory 1 Hour

A laboratory course correlated with BIOL 207. **Colonnade/Statewide General Education Code E-SL | SL**

Prerequisite(s): (BIOL 207 (may be taken concurrently) or BIO 207C (may be taken concurrently))

Course Fee: \$20

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

BIOL 212 Genome Discovery Exploration 2 Hours

Discovery, characterization, and genomic analysis of viruses from sample collection and purification through DNA isolation and analysis.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

BIOL 222 Plant Biology and Diversity 3 Hours

Survey of cyanobacteria, algae and plants with an emphasis on anatomy, morphology, development, physiology and evolutionary adaptations.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C

Corequisite(s): BIOL 223

Recent Term(s) Offered: fall 2020; fall 2022

BIOL 223 Plant Biology and Diversity Lab 1 Hour

A laboratory course correlated with BIOL 222.

Corequisite(s): BIOL 222

Course Fee: \$20

Recent Term(s) Offered: fall 2020; fall 2022

BIOL 224 Animal Biology and Diversity 3 Hours

Survey of animal phyla and major classes with emphasis upon morphological adaptations and biological systems that have evolved to maintain organismal and population homeostasis.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C

Corequisite(s): BIOL 225

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

BIOL 225 Animal Biology and Diversity Lab 1 Hour

A laboratory course correlated with BIOL 224.

Corequisite(s): BIOL 224

Course Fee: \$20

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

BIOL 226 Microbial Biology and Diversity 3 Hours

A study of morphological, cultural, and biochemical characteristics of important groups of bacteria.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C

Corequisite(s): BIOL 227

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; fall 2022

BIOL 227 Microbial Biology and Diversity Lab 1 Hour

A laboratory course correlated with BIOL 226.

Corequisite(s): BIOL 226

Course Fee: \$20

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; fall 2022

BIOL 231 Advanced Human Anatomy and Physiology 4 Hours

(repeatable max of 4 hrs)

Human anatomy and physiology for health science career students emphasizing an integrated organ systems approach to body function.

Prerequisite(s): (BIOL 131 with a minimum grade of C or BIO 131C with a minimum grade of C)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

BIOL 275 Colloquia 1-3 Hours (repeatable max of 3 hrs)

Issues of contemporary, historical or intellectual significance in Biology, often with ethical implications will be weighed and debated. May not be used to satisfy the general education requirement in natural sciences. May be repeated with a maximum of 3 hours counting for the Biology major or minor.

Recent Term(s) Offered: None

BIOL 285 Introduction to Field Biology 1-4 Hours (repeatable max of 4 hrs)

An introductory field experience on a specific biological or ecological topic.

Recent Term(s) Offered: winter 2020

BIOL 295 Introduction to Research Methodology 1 Hour

To familiarize Ogden Research Scholars and other research oriented students with the fundamentals of choosing a research topic, performing a bibliographical search on a subject, classification of instruments, data taking, data reduction, professional ethics and other research oriented topics. The common points of research methodology in the different scientific areas will be accentuated. Examples will be drawn from the various disciplines. Use of computers will be emphasized. (Course does not count towards any major or minor). Note: Ogden Research Scholar, or 3.2 grade point average at the end of freshman year, or OCSE faculty member recommendation required.

Equivalent(s): PHYS 295, GEOL 295, CHEM 295, ENGR 295, CS 295, MATH 295

Recent Term(s) Offered: None

BIOL 303 Life Science for Middle Grades Teachers 1-3 Hours

(repeatable max of 4 hrs)

Pedagogical content and knowledge in life sciences with practicum experience for middle school teachers. Not available for credit toward and biology, chemistry, or biochemistry major or minor. Note: 6 hours of SMED 200 level and above courses is required for course enrollment.

Prerequisite(s): BIOL 120 and BIOL 121 and BIOL 122 and BIOL 123

Recent Term(s) Offered: spring 2020; spring 2022

BIOL 312 Bioinformatics 4 Hours (repeatable max of 4 hrs)

Presentation of the theoretical underpinnings and the computational methods of nucleic acid and protein sequence analyses used in genomic work. An associated laboratory component will provide project-based application of these methods.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C

Recent Term(s) Offered: spring 2020; summer 2020; spring 2021; summer 2021; spring 2022; summer 2022

BIOL 315 Ecology 3 Hours

A study of the fundamental principles of ecology.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

BIOL 316 Evolution: Theory and Process 3 Hours

Study of the genetic, behavioral and ecological mechanisms leading to evolutionary change, and the role of evolutionary theory as a unifying framework in biology.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C

Recent Term(s) Offered: spring 2020; summer 2020; spring 2021; summer 2021; spring 2022; summer 2022

BIOL 317 Plant Pathology 3 Hours (repeatable max of 3 hrs)

Introduction to common plant pathogens and diseases of agronomically important field and forage crops, turf, vegetables, and ornamentals. Topics include control measures, newly discovered diseases, and plant-pathogen interactions.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C

Equivalent(s): AGRO 418

Recent Term(s) Offered: None

BIOL 318 Biological Science Laboratory for Elementary Teachers 1 Hour (repeatable max of 1 hrs)

A laboratory course for Elementary Education majors emphasizing the scientific process, highlighting classical and current topics of biological importance, and demonstrating relatively simple and economical means to reveal fundamental biological principles to elementary school students.

Prerequisite(s): BIOL 113

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

BIOL 319 Introduction to Molecular and Cell Biology 3 Hours

Introduction to molecular and cell structure, relating molecular structure and function to cell structure and function. Special emphasis on protein and nucleic acid structure and function and their role in coordinating cellular activities.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C and CHEM 120 and CHEM 121

Recent Term(s) Offered: spring 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

BIOL 321 Comparative Anatomy 4 Hours (repeatable max of 4 hrs)

A comparative study of the morphology and relationships of the organ systems of some typical vertebrates.

Prerequisite(s): BIOL 224 and BIOL 225

Recent Term(s) Offered: spring 2022

BIOL 322 Introduction to Molecular and Cell Biology Laboratory 1 Hour

Laboratory course presenting fundamental techniques for the isolation and characterization of biological molecules, with an emphasis on proteins and nucleic acids.

Prerequisite(s): BIOL 319 (may be taken concurrently)

Course Fee: \$75

Recent Term(s) Offered: spring 2020; spring 2021; summer 2021; spring 2022

BIOL 324 Histology 4 Hours (repeatable max of 4 hrs)

A study of the microscopic structure of vertebrate tissues and organs.

Prerequisite(s): BIOL 224 and BIOL 225

Recent Term(s) Offered: spring 2020; spring 2021

BIOL 325 Insect Biodiversity 3 Hours (repeatable max of 3 hrs)

Study of insects, the most diverse group of animals, including their unusual morphology, behavior, ecology, and evolutionary relationships. Laboratory activities include required off-campus trips to regional habitats and surveys of global insect groups.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C

Course Fee: \$10

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

BIOL 326 Ornithology 3 Hours

A study of the general characteristics, economic importance, history, structure, classification, and identification of birds.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C

Recent Term(s) Offered: spring 2021

BIOL 327 Genetics 3 Hours

A study of the fundamental principles of heredity in eukaryotic organisms.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C

Recent Term(s) Offered: fall 2020; summer 2021; fall 2021; fall 2022

BIOL 328 Immunology 4 Hours (repeatable max of 4 hrs)

An introductory study of the vertebrate immune system and its relationship to organismic integrity.

Prerequisite(s): (BIOL 319 and BIOL 322) or (BIOL 327 and BIOL 337)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

BIOL 330 Animal Physiology 3 Hours

Examination of the general principles by which animals function. Major organ systems of animals are explored with emphasis on the communication and interactions between them. Numerous vertebrate and invertebrate systems are used to illustrate physiological concepts.

Prerequisite(s): BIOL 224 and BIOL 225 and CHEM 120 and CHEM 121

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

BIOL 331 Animal Physiology Laboratory 1.5 Hour

A laboratory course that emphasizes experimental design and hypothesis testing, along with classic and modern techniques used in animal physiology.

Prerequisite(s): BIOL 330 (may be taken concurrently)

Course Fee: \$20

Recent Term(s) Offered: fall 2020

BIOL 332 Principles of Wildlife Ecology 3 Hours

Examination of the principles of wildlife ecology and management, including ecological theory, population regulation, habitat management, wildlife diseases, and conservation. Primarily for those interested in a career involving wildlife.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

BIOL 334 Animal Behavior 3 Hours

Examination of the evolutionary basis of behavior in animals. Topics include genetic and physiological basis of behavior, communication, animal cognition, migration, foraging, predator avoidance, courtship and mate choice, and sociality.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C

Recent Term(s) Offered: None

BIOL 335 Neurobiology 3 Hours

The nervous system is described at the molecular, cellular and systemic level. Topics include the structure of neurons, how neurons transmit signals, sensory systems, brain organization, and neural development, as well as how these principles affect behavior and health.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C

Recent Term(s) Offered: summer 2020; fall 2020; fall 2021; fall 2022

BIOL 337 Genetics Laboratory 1 Hour

A laboratory-based study of genetics, genomics, and population genetics. Modern laboratory techniques are emphasized.

Prerequisite(s): BIOL 327 (may be taken concurrently)

Course Fee: \$75

Recent Term(s) Offered: fall 2020; summer 2021; fall 2021; fall 2022

BIOL 348 Plant Taxonomy 4 Hours (repeatable max of 4 hrs)

Identification of local plant species and survey of major vascular plant families emphasizing morphological diversity, evolutionary relationships and economic uses. Field trips required.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C

Course Fee: \$20

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

BIOL 350 Introduction to Recombinant Genetics 3 Hours (repeatable max of 3 hrs)

This course will introduce students to the basic mechanisms of genetic recombination, both in living cells and in vitro. Topics that will be discussed include: genomic organization, genetic recombination, genetic mapping, gene cloning and cloning vectors, and physical mapping of genes. The laboratory will cover methods for the isolation, cloning, labeling, and reintroduction into cells of recombinant vectors.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

BIOL 351 Indian Himalayas - Biogeography, Ganges & Culture 3 Hours

An interdisciplinary study-abroad course that includes studies in biology, history, culture and religion related to India. **Colonnade/Statewide General Education Code K-IE**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: None

BIOL 355 Ecology Lab 2 Hours

A field-oriented, science process course where students learn to perform research and gain experience in ecology.

Prerequisite(s): BIOL 315 (may be taken concurrently)

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

BIOL 356 Ornithology Lab 2 Hours

The taxonomy, morphology, and natural history of birds of Kentucky. Off-campus travel will be required.

Prerequisite(s): BIOL 326 (may be taken concurrently)

Course Fee: \$30

Recent Term(s) Offered: spring 2021

BIOL 369 Cooperative Education in Biology 1-3 Hours (repeatable max of 6 hrs)

Practical experience in a supervised, professional work environment in an instructional classroom, business, industry, government agency or laboratory setting.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C

Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

BIOL 372 Causes and Consequences of Human-Wildlife Conflict 3 Hours

Global study of human-wildlife conflict and the varying ecological, social, economic, and cultural realities that influence this conflict. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; spring 2022

BIOL 377 Animal Form and Function 3 Hours

Mechanistic designs underlying organismal morphology, physiology driving designs, and behaviors that impact function. Topics include comparative anatomy, adaptation, ecomorphology, biological basis of physical principles, and organismal performance.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C

Course Fee: \$20

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

BIOL 380 Challenges of a Changing Biosphere 3 Hours

A focus on environmental issues from a biological perspective with emphasis on Habitat loss, Invasive species, Population growth, Pollution, and Overharvesting (HIPPO) in light of climate change and extinction.

Colonnade/Statewide General Education Code K-LG

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

BIOL 382 Introductory Biostatistics 3 Hours (repeatable max of 3 hrs)

Introduction to statistical techniques and experimental design applied to the biological sciences. Probability and distributions, descriptive statistics, hypothesis testing and statistical inference using t-statistics, regression, ANOVA, chi-square, non-parametric tests. Use of computers and analysis of real data are emphasized.

Prerequisite(s): (MATH 117 or MATH 119 or MATH 136) and (BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

BIOL 388 Contemporary Issues in Biotechnology 1 Hour (repeatable max of 1 hrs)

Examination of recent advances, ethics and career opportunities in biotechnology through discussions, seminars, and field trips.

Restriction(s): Enrollment is limited to students in Molecular Biotechnology (738)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

BIOL 390 Ethnobiology-Peoples, Plants & Animals 3 Hours

Interdisciplinary study of the relationships of plants and animals with human cultures worldwide, including past and present relationships between peoples and the environment. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: None

BIOL 397 Scientific Process 2-4 Hours (repeatable max of 4 hrs)

An in-depth experience with scientific research from concept through dissemination.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C

Recent Term(s) Offered: fall 2021; fall 2022

BIOL 399 Research Problems in Biology 1-3 Hours (repeatable max of 6 hrs)

A study involving a research project under faculty supervision. Note: The course may be repeated with a maximum of (6) (ref. 525) or 3 hours (ref. 617) counted toward the major.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

BIOL 400 Plant Physiology 4 Hours (repeatable max of 4 hrs)

A study of the general principles by which plants function. Three areas discussed are transport and translocation of water and solutes, metabolism with special emphasis on photosynthesis, and plant growth and development. Note: Two semesters of chemistry required.

Prerequisite(s): BIOL 222 and BIOL 223

Recent Term(s) Offered: None

BIOL 403 Molecular Basis of Cancer 3 Hours

Biological and molecular features of oncogenesis and clinical cancer, focusing on specific molecular events underlying carcinogenesis, metastasis and angiogenesis. Case study learning is integrated into the course to help students understand the societal implications of cancer.

Prerequisite(s): BIOL 319 and BIOL 322

Recent Term(s) Offered: None

BIOL 404 Techniques and Theory of Electron Microscopy 4 Hours (repeatable max of 4 hrs)

A course in the fundamentals of electron microscopy including basic theory, techniques for specimen preparation and photography, and operation of the electron microscope.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

BIOL 405 Aquatic Insect Diversity 2 Hours

The taxonomy and biology of the insects commonly encountered in freshwater habitats.

Prerequisite(s): BIOL 224 and BIOL 225

Recent Term(s) Offered: spring 2021

BIOL 407 Virology 3 Hours

Study of bacterial, animal and plant viruses. Emphasis on the molecular aspects of the viral life cycle and pathogenesis.

Prerequisite(s): BIOL 319 and BIOL 322

Recent Term(s) Offered: spring 2021; summer 2021; summer 2022

BIOL 411 Cell Biology 3 Hours

A lecture series emphasizing the morphological and chemical make-up of cells, the physical and chemical properties of the cell, and modern techniques for investigation of cellular functions.

Prerequisite(s): ((BIOL 319 and BIOL 322) or (BIOL 327 and BIOL 337))

Recent Term(s) Offered: spring 2020; summer 2020; spring 2021; summer 2021; spring 2022; summer 2022

BIOL 412 Cell Biology Laboratory 1 Hour

A laboratory course correlated with BIOL 411.

Prerequisite(s): BIOL 411 (may be taken concurrently)

Course Fee: \$20

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

BIOL 420 Introduction to Toxicology 3 Hours

Toxicology is the study of the adverse effects of inorganic and organic molecules on living organisms. The course will provide an understanding of the basic principles of toxicology for undergraduate majors and minors in the natural sciences.

Prerequisite(s): (BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C) and (CHEM 314 or CHEM 340)

Recent Term(s) Offered: None

BIOL 440 Developmental Genetics 3 Hours

A descriptive investigation of the genetic and biochemical processes that regulate development of microbes, plants and animals.

Prerequisite(s): (BIOL 319 and BIOL 322) or (BIOL 327 and BIOL 337)

Recent Term(s) Offered: None

BIOL 446 Biochemistry I 3 Hours

A study of biochemical compounds and their role in intermediary metabolism. Special topics include biochemical energetics and coenzyme mechanisms.

Prerequisite(s): CHEM 340 with a minimum grade of C

Equivalent(s): CHEM 446

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

BIOL 447 Biochemistry Laboratory 2 Hours

A basic laboratory study involving selected experiments which illustrate biochemical principles including separation, identification and chemical properties of carbohydrates, lipids, proteins and enzymes.

Prerequisite(s): BIOL 446 (may be taken concurrently) with a minimum grade of C or CHEM 446 (may be taken concurrently) with a minimum grade of C

Equivalent(s): CHEM 447

Course Fee: \$35

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

BIOL 450 Recombinant Gene Technology 3 Hours

Discovery-based laboratory emphasizing application of basic techniques to solve student-defined problems. Problems in characterization and expression of genetic material are explored.

Prerequisite(s): BIOL 350

Course Fee: \$20

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

BIOL 456 Ichthyology 4 Hours (repeatable max of 4 hrs)

A survey of the fishes of the world, their physiology, structure, behavior, and ecology. Special emphasis will be placed upon the collection and identification of freshwater species of Kentucky.

Prerequisite(s): BIOL 224 and BIOL 225

Recent Term(s) Offered: fall 2021

BIOL 457 Herpetology 4 Hours (repeatable max of 4 hrs)

The diversity, biology, and conservation of reptiles and amphibians. Off-campus travel will be required.

Prerequisite(s): BIOL 224 with a minimum grade of C and BIOL 225 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2022

BIOL 458 Fisheries Management 4 Hours (repeatable max of 4 hrs)

A study of the factors affecting fish populations. Topics covered include life history traits, sampling techniques, management practices, and policies regulating the management of fish populations. Off-campus and overnight weekend field trips and a course fee are required.

Prerequisite(s): BIOL 224 and BIOL 225

Recent Term(s) Offered: fall 2020; fall 2022

BIOL 459 Mammalogy 3 Hours (repeatable max of 3 hrs)

Taxonomy, life history and ecology of the mammals. Laboratory work includes field studies and collection and study of specimens in the laboratory.

Prerequisite(s): BIOL 224 and BIOL 225

Recent Term(s) Offered: spring 2021

BIOL 460 Parasitology 4 Hours (repeatable max of 4 hrs)

A study of the morphology, physiology, life histories, control and economic significance of representative species.

Prerequisite(s): BIOL 224 and BIOL 225

Course Fee: \$20

Recent Term(s) Offered: None

BIOL 464 Endocrinology 3 Hours

A study of the structure and function of the endocrine glands and their role in physiological communication and regulation.

Prerequisite(s): BIOL 319 and BIOL 322

Recent Term(s) Offered: fall 2021

BIOL 467 Biochemistry II 3 Hours

A study of the reactions of living systems and an introduction to the mechanisms and energetics of metabolism.

Prerequisite(s): (BIOL 446 or CHEM 446)

Equivalent(s): CHEM 467

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

BIOL 470 Pathogenic Microbiology 4 Hours (repeatable max of 4 hrs)

A study of the organisms causing disease with emphasis on bacteria. The course will survey pathogenic bacteria, viruses, fungi, and protozoa.

Prerequisite(s): BIOL 226 and BIOL 227

Recent Term(s) Offered: spring 2020; spring 2022

BIOL 475 Selected Topics in Biology 1-3 Hours (repeatable max of 6 hrs)

A consideration of special topics to acquaint the advanced student with significant problems and developments of current interest in biology.

Recent Term(s) Offered: summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

BIOL 477 Marine Biology 3 Hours

Marine organisms are examined within a framework of basic biological principles and processes that are fundamental to all forms of life in the sea, including evolution, ecology, biodiversity, biogeography, behavior, and physiology.

Prerequisite(s): BIOL 224 and BIOL 225

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

BIOL 483 Multivariate Methods in Biology 4 Hours

Application of multivariate statistical analysis techniques to problems in the biological sciences. Principal component and factor analysis, canonical discriminant analysis, correspondence analysis, distance metrics and clustering, canonical correlation, repetitive sampling, randomization. Not a course in mathematical statistics; rather, emphasis is on experimental design, selection of appropriate methods for testing a particular hypothesis, and the analysis of real data.

Prerequisite(s): (BIOL 382 or permission of instructor)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

BIOL 485 Field Biology 1-4 Hours

An intensive field experience on a specific biological or ecological topic.

Recent Term(s) Offered: winter 2020; summer 2022

BIOL 489 Professional Aspects of Biology 1 Hour

Current topics and the role of science in society, participation in seminars, evaluation of biological skills and knowledge, preparation for careers in biology, and construction of an alumnus action plan.

Prerequisite(s): (BIOL 315 or BIOL 316 or BIOL 319 or BIOL 327)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

BIOL 490 Plants as Alternative Therapeutics 3 Hours

Exploration of plants used in traditional medicine with emphasis on pharmacological implications as evidenced in modern clinical research. Examines therapeutic actions of phytochemicals on major human illnesses.

Prerequisite(s): BIOL 120 with a minimum grade of C and BIOL 121 with a minimum grade of C and BIOL 122 with a minimum grade of C and BIOL 123 with a minimum grade of C

Recent Term(s) Offered: summer 2020; summer 2021; summer 2022

BIOL 492 Clinical Internship in Medical Technology 8 Hours

An internship in an accredited medical technology school with a curriculum that includes both daily instruction in basic theory and corresponding laboratory experience. Note: Student must have completed the course requirements in medical technology and have been accepted to an accredited medical technology school.

Recent Term(s) Offered: summer 2020; summer 2021; summer 2022

BIOL 493 Clinical Internship in Medical Technology 14 Hours

An internship in an accredited medical technology school with a curriculum that includes both daily instruction in basic theory and corresponding laboratory experience. Note: Student must have completed the course requirements in medical technology and have been accepted to an accredited medical technology school.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

BIOL 494 Clinical Internship in Medical Technology 14 Hours

An internship in an accredited medical technology school with a curriculum that includes both daily instruction in basic theory and corresponding laboratory experience. Note: Student must have completed the course requirements in medical technology and have been accepted to an accredited medical technology school.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

BIOL 495 Molecular Genetics 3 Hours

A study of the molecular basis of genetics in prokaryotic and eukaryotic organisms.

Prerequisite(s): (BIOL 319 or BIOL 327)

Recent Term(s) Offered: summer 2020; fall 2020; fall 2021; summer 2022; fall 2022

BIOL 496 Plant Biotechnology 4 Hours (repeatable max of 4 hrs)

A course designed to illustrate the current advances in plant biotechnology and their potential application in agriculture, health and environment.

Prerequisite(s): ((BIOL 319 and BIOL 322 and AGRO 110) or (BIOL 222 and BIOL 223))

Recent Term(s) Offered: None

BIOL 497 Aquatic Field Ecology 4 Hours (repeatable max of 4 hrs)

An integrated study of aquatic ecosystem structure and function, including the physical and chemical properties of water and application of biological field methods. This course requires off-campus and overnight travel.

Prerequisite(s): ((BIOL 222 and BIOL 223) or (BIOL 224 and BIOL 225) or (BIOL 226 and BIOL 227)) and CHEM 120 and CHEM 121

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Course Fee: \$20

Recent Term(s) Offered: fall 2020; summer 2022; fall 2022

Brewing & Distilling Art & Sci (BDAS)

BDAS 300 The Science of Fermentation in Brewing and Distilling 3 Hours

Introduction to the basic scientific principles that govern the fermentation process, with particular application to brewing and distilling.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

BDAS 310 Brewhouse Distillery Processes 2 Hours

The methodology and processes involved in the preparation of wort and mash for brewing and distilling, including the essentials of the science and technology that precedes fermentation.

Recent Term(s) Offered: None

BDAS 310M1 Brewhouse Distillery Process Modular 2 1 Hour

The methodology and processes involved in the preparation of wort and mash for brewing and distilling, including the essentials of the science and technology that precedes fermentation.

Recent Term(s) Offered: None

BDAS 310M2 Brewhouse Distillery Process Mod 2 1 Hour

The methodology and processes involved in the preparation of wort and mash for brewing and distilling, including the essentials of the science and technology that precedes fermentation.

Recent Term(s) Offered: None

BDAS 495 Internship in Brewing/Distilling 1-3 Hours (repeatable max of 6 hrs)

On-site experience in a brewery or distillery, conducted under the supervision of the program coordinator and local personnel. Experience could include, but is not limited to, brewing, distilling, marketing, management, or other industry-related work. Note: Registration in the certificate and consultation with a designee of the Ogden College, Gordon Ford College of Business, or Potter College Dean's Office.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Broadcast Communication (BCOM)

BCOM 201 Process and Effects of Mass Communication 3 Hours

Mass communication's potential to influence audience beliefs and behaviors is analyzed. Provides a clear, compelling presentation of the fundamentals and history of the theoretical underpinnings and current status of media effects research-knowledge that will help the student to navigate in a media-saturated environment.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

BCOM 261 Basic Radio Production 3 Hours

Designed to introduce students to the operation of radio studio equipment and general station operation. Practical experience producing various types of radio broadcast material. Lecture and lab.

Prerequisite(s): (SJB 101 with a minimum grade of C or SJB 102 with a minimum grade of C)

Recent Term(s) Offered: spring 2021; spring 2022

BCOM 264 Digital Video Production and Distribution 3 Hours

Designed for non-Broadcasting majors, this course includes the basics needed to shoot, edit, and distribute video productions in the digital realm. Acquisition will concentrate on lighting, composition and audio for the digital world. Editing and graphics will be explored using non-linear programs, and distribution will focus on CDs, DVDs and web streaming.

Course Fee: \$75

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

BCOM 265 Basic Broadcast News 3 Hours

An introduction to the theory and practice of broadcast news writing styles for radio television, and the Web. Includes analyzing and editing news information with exposure to broadcast news announcing on the student radio station WWHR-FM.

Prerequisite(s): (SOM 101 with a minimum grade of C or SOM 102 with a minimum grade of C)

Course Fee: \$35

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

BCOM 266 Basic Television Production 3 Hours (repeatable max of 3 hrs)

Designed to introduce students to production principles, crew positions, equipment and general station operation. Practical experience producing various types of television broadcast and non-broadcast video material in a multi-camera studio environment. Lecture and lab. Note: Permission of instructor.

Prerequisite(s): (SOM 101 with a minimum grade of C or BCOM 201 with a minimum grade of C)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

BCOM 300 American Popular Arts 3 Hours

Provides a balanced and comprehensive coverage of the major manifestations of popular mass-mediated arts. Critical examination seeks to reveal the actual and potential values of contemporary "middle culture." Areas to be investigated in detail include movies, popular music, magazines, books, television, radio and related communication channels.

Prerequisite(s): (BCOM 201 with a minimum grade of C or SOM 101 with a minimum grade of C or POP 201 with a minimum grade of C)

Recent Term(s) Offered: None

BCOM 301 Mass Communication Law and Ethics 3 Hours

An overview of concepts basic to the freedom of expression. Consideration, through case study and attention to topical problems, of limits on the freedom of expression, including various means of regulation: ethics, law and other social controls. Emphasis on broadcasting applications. Note: Permission of instructor for students outside the School of Journalism & Broadcasting.

Prerequisite(s): BCOM 201 with a minimum grade of C and (PS 110 or GOV 110C or GOVT 110 or POLS 110C)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

BCOM 303 Acting for the Camera 3 Hours (repeatable max of 3 hrs)

A fundamental approach to auditioning and acting for the camera.

Equivalent(s): THEA 303

Recent Term(s) Offered: spring 2020

BCOM 325 Survey of Electronic Media Writing 3 Hours

A survey of writing for television, radio and web audiences. Practice in writing techniques for commercials, public service announcements, news, interviews and dramatic segments. Introduction to the production elements involved in writing for broadcast and the Web. Note: Permission of instructor for students outside the School of Journalism & Broadcasting.

Prerequisite(s): (SOM 101 with a minimum grade of C or SOM 102 with a minimum grade of C)

Course Fee: \$35

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

BCOM 326 Radio and Television News Performance 3 Hours (repeatable max of 3 hrs)

A practical application of skills and techniques needed as journalism performers for long-form radio interviewing and television news studio, and field on-camera presentation. The goal is to improve voice and image projection for broadcast journalism presenters. Lecture and lab.

Prerequisite(s): BCOM 265 with a minimum grade of C and (BCOM 261 with a minimum grade of C or BCOM 266 with a minimum grade of C)

Restriction(s): Enrollment is limited to students in News/Editorial Journalism (716) , Broadcasting (726) , Broadcasting (Seeking Adm) (726P) or Journalism (736)

Course Fee: \$75

Recent Term(s) Offered: fall 2021; fall 2022

BCOM 328 Broadcast Weather Graphics 3 Hours

Creation and practical use of weather graphics to formulate a forecast. Data accumulation and effective communication of weather events to a radio/television audience.

Prerequisite(s): GEOG 121 with a minimum grade of C and BCOM 201 with a minimum grade of C

Course Fee: \$35

Recent Term(s) Offered: None

BCOM 329 Broadcast Weather Data 3 Hours

The use of broadcast satellite and broadcast radar products in weather prediction, emphasizing image interpretation. Advanced analysis of broadcast meteorological case studies related to broadcast weather forecasting problems and severe weather events.

Prerequisite(s): BCOM 201 with a minimum grade of C and GEOG 121 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Meteorology (578) , Geography (674) , Broadcasting (726) or Broadcasting (Seeking Adm) (726P)

Recent Term(s) Offered: spring 2020; spring 2021

BCOM 335 News Discovery and Selection 3 Hours

Gathering news through active news discovery; advance planning, enterprising and prioritizing stories based on criteria of newsworthiness and consequence. Some off-campus travel.

Prerequisite(s): BCOM 265 with a minimum grade of C

Restriction(s): Enrollment is limited to students in News/Editorial Journalism (716) , Broadcasting (726) , Journalism (736) or Journalism - Seeking Admission (736P)

Course Fee: \$35

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

BCOM 360 Electronic Media Programming / Research 3 Hours

Exposure to full range of broadcast programming options and research concerns. Marketplace and managerial aspects of format design and audience analysis are presented and discussed to reveal the essential nature and role of electronic mass media services. Note: Permission of instructor.

Prerequisite(s): BCOM 301 with a minimum grade of C

Recent Term(s) Offered: None

BCOM 361 Advanced Radio Performance 3 Hours

An advanced production course in radio broadcast programming and personality development. Integrated work on WWHR-FM radio. Projects include weekly air shifts, digital production and editing work, remote broadcasts and involvement in overall station operations. Lecture and lab.

Prerequisite(s): BCOM 261 with a minimum grade of C

Restriction(s): Enrollment is limited to students in News/Editorial Journalism (716) or Broadcasting (726)

Course Fee: \$75

Recent Term(s) Offered: fall 2021; fall 2022

BCOM 365 Broadcast News Reporting and Producing 3 Hours

A practical application of broadcast news information gathering, writing, editing and presentation for the Web, radio and television. Students are exposed to the news decision aspects of broadcast news producing for the student radio, TV and on-line news outlets. Lecture and lab.

Prerequisite(s): BCOM 335 with a minimum grade of C and BCOM 368 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Broadcasting (726)

Course Fee: \$75

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; spring 2022

BCOM 366 Editing I 3 Hours (repeatable max of 3 hrs)

Editing as a practical experience and as the final tool for the visual storyteller's message. Editing systems include Avid and Final Cut Pro. Work with original material in editing situations that incorporate computer graphics and 3-D animation. Discussion and analysis of editing and decisions considering ethics, philosophy, timing and aesthetics. Lecture and Lab.

Prerequisite(s): (BCOM 266 with a minimum grade of C or FILM 201 with a minimum grade of C)

Course Fee: \$75

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; fall 2022

BCOM 367 Field Production 3 Hours

Study of, and practical experience in, single camera field acquisition. Techniques of lighting, audio, talent, and environment manipulation, as they apply to both film and video, are examined in the context of shooting for the edit. Employs advanced editing tools in developing skills by students through use of time code, Avid systems, and DVE units.

Prerequisite(s): BCOM 366 with a minimum grade of C

Course Fee: \$75

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

BCOM 368 News Videography and Editing 3 Hours

A study of, and practical experience in, field techniques of videography and editing procedures and practices as they pertain to television news and documentaries. Emphasis on ethical television photojournalism, digital video, and nonlinear editing for electronic news gathering (ENG) for commercial and noncommercial television news programs.

Prerequisite(s): (BCOM 265 with a minimum grade of C and BCOM 366 with a minimum grade of C)

Restriction(s): Enrollment is limited to students in News/Editorial Journalism (716) , News/Edit Journalism(Seek Adm) (716P) , Broadcasting (726) , Broadcasting (Seeking Adm) (726P) , Journalism (736) , Journalism - Seeking Admission (736P) , Photojournalism (750) or Photojournalism (Seeking Adm) (750P)

Course Fee: \$75

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021

BCOM 369 Cooperative Education in Broadcast Communication 3 Hours

Appropriate supervised work with a cooperating organization, defined as a licensed radio or television station, cable television or production facility. Note: 18 hours in the major, permission of sequence coordinator are required.

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Enrollment is limited to students in Film (Officially Admitted) (667) or Broadcasting (726)

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; summer 2022

BCOM 380 Editing II 3 Hours

Continued instruction in post-production techniques and technologies. Focuses include image manipulation, non-linear editing, audio post, visual effects and compositing, with a strong web component.

Prerequisite(s): BCOM 366 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Film (Officially Admitted) (667) , Broadcasting (726) , Advertising (727) or Photojournalism (750)

Course Fee: \$35

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

BCOM 385 Broadcast Commercial Sales 3 Hours

A study of the marketing principles, problems and techniques of producing revenue for broadcast radio and television and the Internet through the sale of commercial time. Students are involved in role-playing as well as the preparation and oral presentation of a final marketing project.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Course Fee: \$75

Recent Term(s) Offered: None

BCOM 394 Film Animation 3 Hours (repeatable max of 6 hrs)

Students learn the basics of producing animated motion pictures by experimenting with a variety of techniques and methods. Also included is a history of the animated film as an art form.

Equivalent(s): FILM 394

Recent Term(s) Offered: fall 2022

BCOM 401 History of Broadcasting in America 3 Hours

Consolidates and interrelates the major historical factors in the development of broadcast mass communications in America; provides perspective on the creation, adaptation and diffusion of radio and television in relation to other mass media.

Recent Term(s) Offered: None

BCOM 429 Broadcast Meteorology 3 Hours

This course teaches the student the intricacies of meteorological forecast elements while completing television studio work, specifically designed to television weather performance. Weather-related features, as well as emergency weather broadcasting, will be covered.

Prerequisite(s): (BCOM 328 with a minimum grade of C and BCOM 329 with a minimum grade of C and (METR 324 with a minimum grade of C or METR 424 with a minimum grade of C) and METR 426 with a minimum grade of C)

Restriction(s): Enrollment is limited to students in Meteorology (578) , Geography (674) or Broadcasting (726)

Recent Term(s) Offered: None

BCOM 461 Radio Workshop 1 Hour (repeatable max of 3 hrs)

A radio production and management course for students with a continuing desire to contribute to the on-air operation of WWHR or for students involved in WWHR staff/management positions. Course work involves practical application of radio production and management skills in the areas of entertainment and news. Lecture and lab. Note: Permission of instructor.

Prerequisite(s): BCOM 361 with a minimum grade of C

Restriction(s): Enrollment is limited to students in News/Editorial Journalism (716) , News/Edit Journalism(Seek Adm) (716P) , Broadcasting (726) , Broadcasting (Seeking Adm) (726P) , Journalism (736) or Journalism - Seeking Admission (736P)

Recent Term(s) Offered: None

BCOM 463 Field Production II 3 Hours

Advanced study of single-camera video production, including producing, directing, shooting, and editing. Emphasis on collaborative video field production and post-production.

Prerequisite(s): BCOM 367 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Film (Officially Admitted) (667) , Film (Seeking Admission) (667P) or Broadcasting (726)

Course Fee: \$75

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

BCOM 465 Advanced Broadcast News 3 Hours (repeatable max of 3 hrs)

The capstone course in writing, editing, announcing and producing radio and television news reports. Producing, anchoring and reporting for the student television newscast is required. Students also analyze the job market and produce a resume tape for employment. Lecture and lab.

Prerequisite(s): BCOM 365 with a minimum grade of C and BCOM 368 with a minimum grade of C

Restriction(s): Enrollment is limited to students in News/Editorial Journalism (716) , Broadcasting (726) or Journalism (736)

Recent Term(s) Offered: spring 2020; spring 2022

BCOM 466 Television Directing 3 Hours (repeatable max of 3 hrs)

Professional level directing course for broadcasting majors. Structured to offer students a thorough knowledge of and experience in directing single-and multi-camera productions. Emphasis on live and recorded programs for broadcast and non-broadcast applications.

Prerequisite(s): BCOM 463 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Film (Officially Admitted) (667) or Broadcasting (726)

Recent Term(s) Offered: None

BCOM 467 Broadcast Workshop 1 Hour (repeatable max of 3 hrs)

An intense study of a specific production or news skill generally required of broadcasting personnel. These skills will be identified and studied through discussion and application. Various production-related topics include television lighting, television graphics, electronic news gathering (ENG), commercial spot production, industrial applications, and radio TV sports announcing. Workshop production outlets include regular newscasts, television and radio sports broadcasts, and others. Note: Permission of instructor required.

Restriction(s): Enrollment is limited to students in Broadcasting (726)

Course Fee: \$75

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

BCOM 476 Advanced Radio Sales 3 Hours

Storytelling's role in radio sales and the critical skills needed in today's radio sales profession. Builds upon the foundation presented in Broadcast Sales (BCOM385) by focusing on selling all of the various advertising platforms in consolidated radio operations. Students will have the opportunity to earn their Radio Marketing Professional and Certified Digital Market Professional certifications from the Radio Advertising Bureau.

Prerequisite(s): BCOM 385 with a minimum grade of C

Recent Term(s) Offered: None

BCOM 480 Editing III 3 Hours

Capstone of television production sequence. Culminates in portfolio, which entire production faculty evaluates. Projects, accompanied by complete production books, may target commercial and/or non-commercial outlets for both film and video. Program produced should reflect skills acquired in all previous production courses and serve as anchor of student's sample reel.

Prerequisite(s): BCOM 380 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Film (Officially Admitted) (667) , Film (Seeking Admission) (667P) , Broadcasting (726) or Broadcasting (Seeking Adm) (726P)

Course Fee: \$75

Recent Term(s) Offered: None

BCOM 481 Problems in Mass Communication 3 Hours

Course offers the student the chance to pursue an independent study in a number of areas including radio, television, cinematography and broadcast news. Note: Permission of instructor required.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; summer 2022

BCOM 482 Television Program Production 3 Hours

Capstone of television production sequence. Culminates in portfolio, which entire production faculty evaluates. Projects, accompanied by complete production books, may target commercial and/or non-commercial outlets for both film and video. Program produced should reflect skills acquired in all previous production courses and serve as anchor of student's sample reel.

Prerequisite(s): BCOM 380 with a minimum grade of C and BCOM 463 with a minimum grade of C

Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in Broadcasting (726)

Course Fee: \$35

Recent Term(s) Offered: spring 2022

BCOM 485 Broadcast Operations and Management 3 Hours

A study of the programming, operation, and management practices and problems related to broadcast radio and television stations in the U.S., as well as industry codes and regulatory requirements from governmental agencies. Note: Permission of instructor.

Prerequisite(s): BCOM 385 with a minimum grade of C

Recent Term(s) Offered: None

BCOM 491 Internship 3 Hours

Professional-quality experience outside or inside the University for a fixed period of time and conforming to minimum standards established by the School. Follow-up will consist of student reports and evaluation. Note: 18 hours in the major; permission of sequence coordinator is required.

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Enrollment is limited to students in Film (Officially Admitted) (667) or Broadcasting (726)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022

Business (So Campus) (BUS)

BUS 100C Introduction to Business 3 Hours

The management process, production, marketing, finance accounting, personnel and other functional activities are discussed. **Colonnade/Statewide General Education Code E-SB | SB**

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

BUS 102C Introduction to Ethical Issues in Business 3 Hours

This course will introduce students to the role of ethics of business in a complex, dynamic, global environment. This course will assist students to recognize, apply and appreciate the role of ethics in business decisions.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2022

BUS 110C Basic Accounting I 3 Hours

This course serves as a basic introductory accounting course for students pursuing an associate of arts degree program. It introduces the beginning concepts, principles, and procedures of accounting in a systematic fashion. Note: Will not transfer as ACCT 200 or ACCT 201.

Recent Term(s) Offered: None

BUS 210C Organization and Management 3 Hours

An introduction to organization and theory and organizational behavior. The course focuses on managing people and material resources to enhance organizational productivity and effectiveness. Attention is given to the managerial functions of planning, organizing, leading, and controlling.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

BUS 212C Principles of Marketing 3 Hours

Presents the problems of marketing and the ways today's marketers solve them. The course focuses on concepts and principles of theory and practice through the use of practical examples and cases. Studies include market planning, research, strategies, distribution, promotion, pricing, market segmentation, and consumer-oriented marketing.

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; spring 2022; summer 2022; fall 2022

BUS 214C Business Communication 3 Hours

A study of communication processes in business with an emphasis on correct language and grammar. Included is functional correspondence which leads to effective communication, such as letters, reports, memos.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

BUS 225C Records and Information Management 3 Hours

Management of records from creation to disposal. Included are the principles and procedures of organizing, operating and controlling traditional, automated, and special records.

Recent Term(s) Offered: None

BUS 230C Internship-Business 1-6 Hours (repeatable max of 6 hrs)

Provides the advanced student with an opportunity for civic engagement, explores on-site job opportunities, and enhances marketability. The internship includes a project and activities that enhance professional growth and development. Note: Director and instructor's permission and must be a sophomore with a minimum gpa of 2.0.

Restriction(s): Students with a semester level of Freshman may **not** enroll.

Recent Term(s) Offered: None

BUS 244C Introduction to Human Resources Information Systems 2 Hours

This course will introduce students to the numerous concepts of Human Resources Information Systems, including topics such as hardware and software, database systems, business intelligence, information and decision support systems, and systems development.

Recent Term(s) Offered: None

BUS 245C Managing Diversity in the Workplace 3 Hours

This course will introduce students to the concepts of managing/supervising employees from a supervisor's perspective in a work setting for a diverse background.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

BUS 248C Supervisory Management 3 Hours

A practical approach to understanding and dealing with the problems faced by first-line supervisors.

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022

BUS 249C Employee Benefits Programs 2 Hours

Investigates and surveys employee benefits planning to include selection, cost control and viability of employee benefits programs.

Recent Term(s) Offered: None

BUS 250C Business Entrepreneurship 3 Hours

A study of small business, emphasizing the development of a written business plan. Includes legal forms of organization, strategic planning, financing, marketing research, taxation, risk management, management principles, and Total Quality Management(TQM).

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021

BUS 252C Selling and Sales Management 3 Hours

The role of selling and distribution, basic sales methods and techniques and management of the sales function.

Recent Term(s) Offered: None

BUS 253C Management Capstone 3 Hours

Designed to assess students' learning from the courses in their major and other courses of the curriculum. Provides students with an opportunity to demonstrate that they have acquired the necessary skills for a successful integration in to the workplace. Note: 30 credit hours in the program or permission of program advisor.

Recent Term(s) Offered: summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022

BUS 254C Office Administration 3 Hours

Includes work relationships, leadership roles, team membership, problem solving skills, and the use of technology.

Recent Term(s) Offered: None

BUS 257C Management of Human Resources 3 Hours

A course designed to emphasize the practical aspects of the management of human resources. Includes employment law, compensation, recruitment, selection, training and developing, performance appraisal, labor-management relations, and employee rights.

Recent Term(s) Offered: fall 2020; fall 2021; spring 2022; fall 2022

BUS 269C Retirement Planning 3 Hours

No course description is available

Recent Term(s) Offered: None

BUS 270C Labor Relations Management 3 Hours

This course is designed to address the legal and social context of the labor-management relationship; historical and contemporary developments in collective bargaining; work stoppages, impasse and dispute resolution; problems and anticipated developments in labor relations; union elections; union avoidance, as well as contract negotiations and preparation for bargaining. Note: Permission of instructor may be required.

Prerequisite(s): BUS 248C

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

Business Administration (BA)

BA 110 Introduction to Business and Entrepreneurship 3 Hours

A multi-disciplinary introduction to business and entrepreneurship. Course will provide basic knowledge of each of the major functional global business areas. Ethical issues and consumers' rights will also be integrated into the course.

Recent Term(s) Offered: None

BA 170 Business Student Basics 1 Hour

Introduction to programs and initiatives within the college of business and an exploration of college and university resources intended to enhance student success.

Restriction(s): Enrollment limited to students with a semester level of Freshman.

Recent Term(s) Offered: fall 2020; fall 2021; spring 2022; fall 2022

BA 175 University Experience-Business 3 Hours

A multi-disciplinary introduction to entrepreneurship and the general business environment. Topics include study skills, critical thinking and problem solving, and exploration of majors and careers. Special attention is given to educational requirements, careers, and resources available to the business arena.

Restriction(s): Enrollment limited to students with a semester level of Freshman.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

BA 220 Special Topics in Business Administration (Lower

Division) 1-3 Hours (repeatable max of 6 hrs)

Special topics course covering interdisciplinary topics of current interest in business. Open to all students.

Recent Term(s) Offered: spring 2022; fall 2022

BA 420 Special Topics in Business Administration (Upper Division) 1-3 Hours (repeatable max of 6 hrs)

Special topics course covering interdisciplinary topics of current interest in business administration.

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

BA 490 College of Business Internship 1-3 Hours (repeatable max of 3 hrs)

Professional or business opportunities consistent with the mission and objectives of the Ford College of Business. These opportunities will be used to complement and individualize a student's program of study and will be administered on a pass/fail basis.

Prerequisite(s): ACCT 110 and ECON 202 and ECON 206 and FIN 330 and MGT 210 and MKT 220

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

BA 495 Career Development Attendance 0 Hours

Prerequisite(s): Senior standing and admission to the college. Completion of multiple career readiness and professional development events and activities prior to graduation from WKU. All events and activities must be from an approved Gordon Ford College of Business list.

Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Business Data Analytics (BDAN)

BDAN 250 Introduction to Analytics 3 Hours

An introduction to data analytics techniques and their application in business. Students will learn how data analytics can improve decision making. Real-world cases and examples are explored to place analytical methods in context.

Recent Term(s) Offered: fall 2022

BDAN 305 Principles of MIS with Spreadsheets 3 Hours

The basis of information systems and how data is used in a decision making environment. An introduction to data analysis in relation to managing information systems.

Recent Term(s) Offered: fall 2022

BDAN 310 Business Data Analytics 3 Hours

An introduction to the application of data analytics methods to business issues. Topics include business case studies, data analytic, model building techniques, and communication of results.

Prerequisite(s): BDAN 250

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Course Fee: \$40

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

BDAN 320 Web Analytics 3 Hours

An introduction to measuring, collecting, analyzing and reporting on online digital Web data using digital analytics and business intelligence.

Prerequisite(s): BDAN 250

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Course Fee: \$40

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022

BDAN 330 Structured Data Analysis 3 Hours

An introduction to the practical analysis and interpretation of different forms of data, emphasizing how and when to use particular tools, techniques, and metrics to maximize decision-making.

Prerequisite(s): BDAN 250

Course Fee: \$40

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

BDAN 350 Data Management 3 Hours

An introduction to managing the data used in business data analytics. Topics include data sources, acquisition, conditioning, storage, and security.

Prerequisite(s): BDAN 250

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Course Fee: \$40

Recent Term(s) Offered: fall 2022

BDAN 399 Career Readiness in Business Data Analytics 1 Hour

Introduction to preparation for a career in Business Data Analytics, including exposure to careers in data analytics; certifications in the profession; development of professional writing skills, professional resumes and cover letters; oral communications; interviewing skills; goalsetting; ethical standards; and professional networking. This course is limited to juniors and seniors in the Business Data Analytics program.

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Enrollment is limited to students in Business Data Analytics (504)

Recent Term(s) Offered: fall 2022

BDAN 410 DSS Analysis and Design 3 Hours

An exploration of the analysis and design processes used to develop and deploy decision support systems (DSS) in businesses, which are technology based tools that support decision-making activities.

Prerequisite(s): BDAN 250

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Course Fee: \$40

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

BDAN 420 Predictive Modeling 3 Hours

An introduction to predictive modeling and the demonstration of extraction principles from data stored in large heterogeneous volumes and how organizations can analyze data from multiple perspectives.

Prerequisite(s): BDAN 310

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may not enroll.

Course Fee: \$40

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

BDAN 430 Data Visualization 3 Hours

An introduction to the accumulation, analysis, and visualization of complex data sets for businesses, including the analysis of complex data sets and developing digital dashboards and score cards.

Prerequisite(s): BDAN 310

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Course Fee: \$40

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

BDAN 440 Special Topics - Analytics & Information Systems 3 Hours

(repeatable max of 6 hrs)

Study of an advanced topic not normally covered in other Business Data Analytics courses. (Some topics may require additional prerequisites).

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Recent Term(s) Offered: None

BDAN 490 Practicum in Analytics and Information Systems 1-3 Hours

(repeatable max of 3 hrs)

Internships, independent studies, and special projects of interest to students and faculty in Analytics, Cybersecurity, and Information Systems. These may include individual research projects, meaningful internships in profit or not-for-profit organizations with duties relating to Analytics, Cybersecurity, Information Systems, or other special projects approved by the Information Systems Chair and the Information Systems faculty. Note: A 2.5 cumulative GPA and 6 additional hours of Business Data Analytics courses are required; in addition, permission of the Information Systems Chair and the instructor is required.

Prerequisite(s): BDAN 250 with a minimum grade of C

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Enrollment is limited to students in Business Data Analytics (504)

Recent Term(s) Offered: fall 2022

BDAN 499 Senior Assessment in Business Data Analytics 1 Hour

Preparation for and administration of the senior assessment exam.

Discussion of educational and career opportunities beyond the baccalaureate degree. Discussion of the transition from college to workplace, including final preparation of career-related materials. Note: Required of all Business Data Analytics majors in the last semester.

Prerequisite(s): (MGT 498 (may be taken concurrently) or ENT 496 (may be taken concurrently))

Restriction(s): Enrollment limited to students with a semester level of Senior.

Enrollment is limited to students in Business Data Analytics (504)

Recent Term(s) Offered: None

Business Education (BE)

BE 210 Computer Applications for Business Educators 3 Hours

Fundamentals of integrated desktop computer applications utilized by Business and Marketing educators. For future Business and Marketing educators with no computer applications experience.

Recent Term(s) Offered: fall 2020

BE 350 Business Communication 3 Hours

A study of the communication process in business as related to managerial and professional communication. Emphasis on the principles of functional communication; correct, forceful language use; and sound management policies and practices which lead to effective communication.

Recent Term(s) Offered: fall 2020

BE 362 Introduction to Office Systems 3 Hours

This course emphasizes the interaction of people, processes, and technologies that form office information systems within contemporary organizations. The integrated office systems concept; major office systems technologies; management decisions and personnel considerations necessitated by office automation; human factors currently at the forefront of office systems planning; and emerging trends in society, organizations, and technology will be discussed.

Recent Term(s) Offered: None

BE 400 Advanced Computer Applications for Business Educators 3 Hours

Fundamentals of advanced integrated desktop computer applications utilized by Business and Marketing educators. For future Business and Marketing educators or students who wish to expand their current skills from the intermediate level to the advanced level.

Prerequisite(s): BE 210

Recent Term(s) Offered: spring 2020

BE 410 Digital Media for Business Educators 3 Hours

Fundamentals of creating documents and web pages via computer media. Emphasis will be placed on computer desktop publishing. For future Business and Marketing educators.

Prerequisite(s): BE 210

Recent Term(s) Offered: spring 2020

BE 463 Information Resources Management 3 Hours

No course description is available

Recent Term(s) Offered: None

BE 471 Office Internship 3 Hours

Office Internship in a business work experience program requiring employment in a business, government, or institutional office environment during the term in which the student is enrolled. This course requires periodic seminars and permission of the employer to declare the work experience as an internship experience.

Recent Term(s) Offered: None

BE 485 Office Employee Training 3 Hours

Theories of learning applied to the adult learner in training and development situations; developing, managing, staffing training and development programs; training materials creation and evaluation, facilities and media, applications for administrative, professional support, and office systems employees.

Recent Term(s) Offered: None

BE 486 Business and Marketing Education Seminar 3 Hours

A capstone course focusing on current trends, problems, and issues in the business world and their effect on Business and Marketing education.

Corequisite(s): SEC 473

Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2020

Chemistry (CHEM)

CHEM 101 Introduction to Chemistry 3 Hours

A one semester terminal general education course for non-science majors covering chemistry in everyday life. In-class laboratory constitutes 20 percent of class. **Colonnade/Statewide General Education Code E-SL, E-NS | NS, SL**

Course Fee: \$15

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

CHEM 105 Fundamentals of General Chemistry 3 Hours

The first half of a one-year course predominantly for majors in agriculture and consumer and family sciences, and for non-science majors desiring a full year sequence in chemistry. It does not count toward a major or a minor in chemistry. Note: Two years of high school algebra required.

Colonnade/Statewide General Education Code E-NS | NS

Corequisite(s): CHEM 106

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

CHEM 106 Fundamentals of General Chemistry Laboratory 1 Hour

Laboratory to accompany CHEM 105. Pre-lab lecture and laboratory meet two and one-half hours per week. **Colonnade/Statewide General Education Code E-SL | SL**

Corequisite(s): CHEM 105

Course Fee: \$30

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

CHEM 107 Fundamentals of Organic Chemistry 3 Hours

A continuation of CHEM 105 with a major portion of the course devoted to organic chemistry which ends the one-year course for non-science majors. It does not count toward a major or minor in chemistry.

Prerequisite(s): CHEM 105 and CHEM 106

Corequisite(s): CHEM 108

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CHEM 108 Fundamentals of Organic Chemistry Laboratory 1 Hour

The laboratory to accompany CHEM 107. A major portion of the course deals with experiments in organic and biochemistry. Pre-lab lecture and laboratory meet two and one-half hours per week.

Prerequisite(s): CHEM 105 and CHEM 106

Corequisite(s): CHEM 107

Course Fee: \$30

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CHEM 109 Chemistry for the Health Sciences 4 Hours

A course designed to emphasize the practical aspects on inorganic, organic and biochemistry as related to human health. The course is offered specifically for students in the allied health programs, but is also recommended for students in physical education, recreation, health and safety and other disciplines dealing with human health. It does not count toward a major or minor in chemistry, but does satisfy general education requirement. **Colonnade/Statewide General Education Code E-NS | NS**

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CHEM 111 Introduction to Forensic Chemistry 3 Hours

A combination of lecture and in-class laboratory activities designed to introduce the fundamentals of forensic chemistry in a criminalistics context. Topics discussed may include evidence collection and preservation, patterns (especially fingerprints and blood spatter), fire and arson, drugs and poisons, firearms and explosives, trace evidence analysis, and DNA. In-class laboratory constitutes 20% of the class.

Colonnade/Statewide General Education Code E-SL, E-NS | SL, NS
Recent Term(s) Offered: spring 2020; spring 2022

CHEM 116 Introduction to College Chemistry 3 Hours

A one-semester course for students desiring a general survey of chemistry with a mathematical emphasis. An introductory course for College Chemistry students whose ACT score in mathematics would indicate marginal success in CHEM 120. Does not count toward a major/minor in chemistry nor does it satisfy the requirements for certain consumer and family science or agriculture majors. CHEM 106 laboratory is optional. **Colonnade/Statewide General Education Code E-NS | NS**

Prerequisite(s): (MATH 116 (may be taken concurrently) or MATH 117 (may be taken concurrently) or MATH 118 (may be taken concurrently) or MATH 119 (may be taken concurrently) or MATH 136 (may be taken concurrently) or MA 116C (may be taken concurrently))

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CHEM 120 College Chemistry I 3 Hours

The first half of the standard year-long general chemistry course sequence for science majors and minors. **Colonnade/Statewide General Education Code E-NS | NS**

Prerequisite(s): ((ACT Math with a score of 26 or SAT Math Score with a score of 630) or (ACT Math with a score of 22 and MPE - Algebra with a score of 18) or (SAT Math Score with a score of 560 and MPE - Algebra with a score of 18) or (MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C))

Corequisite(s): CHEM 121

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CHEM 121 College Chemistry I Laboratory 2 Hours

Laboratory to accompany CHEM 120. One third of each meeting is spent reviewing material from the lecture and the remaining time is used to carry out laboratory investigations. Pre-lab lecture and laboratory meet once each week for three hours per week. **Colonnade/Statewide General Education Code E-SL | SL**

Corequisite(s): CHEM 120

Course Fee: \$45

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CHEM 222 College Chemistry II 3 Hours

A continuation of the standard year long general chemistry course sequence for science majors and minors.

Prerequisite(s): CHEM 120 with a minimum grade of C and CHEM 121 with a minimum grade of C

Corequisite(s): CHEM 223

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

CHEM 223 College Chemistry II Laboratory 2 Hours

Laboratory to accompany CHEM 222. Pre-lab lecture and laboratory meet for four hours per week.

Corequisite(s): CHEM 222

Course Fee: \$45

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CHEM 295 Introduction to Research Methodology 1 Hour

To familiarize Ogden Research Scholars and other research oriented students with the fundamentals of choosing a research topic, performing a bibliographical search on a subject, classification or instruments, data taking, data reduction, professional ethics and other research oriented topics. The common points of research methodology in the different scientific areas will be accentuated. Examples will be drawn from the various disciplines. Use of computers will be emphasized. (Course does not count toward any major or minor). Note: Ogden Research Scholar, or 3.2 grade point average at the end of freshman year; or Ogden College faculty member recommendation required.

Equivalent(s): MATH 295, GEOL 295, ENGR 295, CS 295, PHYS 295, BIOL 295

Recent Term(s) Offered: None

CHEM 299 Introduction to Chemical Research 3 Hours

Course designed to introduce the student to independent chemical research. Each credit hour requires 2 1/2 hours laboratory work per week with written and oral reports of laboratory work suggested. Note: Consent of a faculty research advisor.

Prerequisite(s): permission of instructor

Course Fee: \$25

Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

CHEM 304 Biochemistry for the Health Sciences 3 Hours (repeatable max of 4 hrs)

A brief treatment of organic chemistry is used as an introduction to carbohydrates, lipids, proteins and nucleic acids emphasizing their functional roles in the biological system. Specific topics will include bioenergetics, enzymes, acid-based balance. This course does not count toward a major or minor in biology or chemistry.

Prerequisite(s): (CHEM 109 or CHEM 107)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CHEM 306 Food Chemistry 3 Hours

An understanding of the fundamental building blocks in foods (proteins, lipids, carbohydrates, and minerals) and chemical, physical, and biological phenomena that affect food quality, texture, flavor and safety.

Prerequisite(s): (CHEM 107 and CHEM 108 or CHEM 109)

Recent Term(s) Offered: None

CHEM 320 Inorganic Chemistry I 3 Hours

Introduction to the foundational principles of inorganic chemistry: atomic and molecular structure, periodicity, bonding, ionic substances, main group and transition metal chemistry.

Prerequisite(s): CHEM 222 with a minimum grade of C and CHEM 223 with a minimum grade of C

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CHEM 330 Quantitative Analysis 5 Hours (repeatable max of 5 hrs)

A study of the common techniques and theory of gravimetric, volumetric, electrochemical, and optical methods of analysis. Lecture, 3 hours; laboratory, 2 hours. Laboratory meets four and one-half hours per week.

Prerequisite(s): CHEM 222 with a minimum grade of C and CHEM 223 with a minimum grade of C

Course Fee: \$50

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CHEM 340 Organic Chemistry I 3 Hours

The first half of the standard one-year course for chemistry majors.

Discussion includes structure of organic molecules, mechanisms, and preparations.

Prerequisite(s): CHEM 222 with a minimum grade of C and CHEM 223 with a minimum grade of C

Corequisite(s): CHEM 341

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CHEM 341 Organic Chemistry Laboratory I 2 Hours

Laboratory work includes purification and characterization of organic compounds.

Prerequisite(s): CHEM 222 with a minimum grade of C and CHEM 223 with a minimum grade of C

Corequisite(s): CHEM 340

Course Fee: \$50

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CHEM 342 Organic Chemistry II 3 Hours

A continuation of CHEM 340.

Prerequisite(s): CHEM 340 with a minimum grade of C and CHEM 341 with a minimum grade of C

Corequisite(s): CHEM 343

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CHEM 343 Organic Chemistry II Laboratory 2 Hours

Includes studies of typical organic reactions and an introduction to qualitative organic analysis.

Prerequisite(s): CHEM 340 with a minimum grade of C and CHEM 341 with a minimum grade of C

Corequisite(s): CHEM 342

Course Fee: \$50

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CHEM 369 Cooperative Education in Chemistry I 3-6 Hours (repeatable max of 6 hrs)

Practical out-of-the classroom experience in a supervised work situation with a cooperating business, industry, or governmental agency, emphasizing laboratory skills in chemistry.

Restriction(s): Students with a semester level of Freshman may **not** enroll.

Recent Term(s) Offered: fall 2022

CHEM 389 Cooperative Education in Chemistry II 3-6 Hours (repeatable max of 6 hrs)

Practical out-of-the classroom experience in a supervised work situation with a cooperating business, industry, or governmental agency, emphasizing laboratory skills in chemistry.

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

CHEM 398 Undergraduate Seminar 1 Hour

A formal introduction to the chemical literature culminating in a student presentation on a selected topic. A treatment pertaining to career opportunities for chemists, resume writing, interview techniques and outside speakers from industry and academics will be included.

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CHEM 399 Research Problems in Chemistry 3 Hours

Special research assignments in accord with the interest of the student.

Requires a minimum of (3) hours laboratory work per week for each hour of credit. A written report of the work is required. Note: Consent of faculty research advisor required.

Course Fee: \$25

Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

CHEM 420 Inorganic Chemistry II 3 Hours

Advanced study of inorganic chemistry: molecular symmetry and applications, covalent bonding and molecular orbital, ionic bonding and solid state chemistry, acid-base theory, coordination chemistry, and organometallic chemistry.

Prerequisite(s): CHEM 450 with a minimum grade of C and CHEM 451 with a minimum grade of C and CHEM 320 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CHEM 421 Inorganic Chemistry Laboratory 1 Hour

A laboratory course emphasizing the synthesis and characterization of inorganic compounds of the main group and transition metals.

Laboratory meetings once a week for three hours.

Corequisite(s): CHEM 420

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CHEM 425 Polymer Chemistry 4 Hours

The principles of polymer chemistry; synthesis of polymers, reactions of synthetic and biological polymers, thermodynamics and kinetics of polymerization, characterization of polymers such as molecular weights and morphology and fabrication and application of polymeric materials.

Prerequisite(s): CHEM 342 with a minimum grade of C and CHEM 343 with a minimum grade of C and CHEM 330 with a minimum grade of C

Course Fee: \$35

Recent Term(s) Offered: None

CHEM 430 Forensic Chemistry 3 Hours

A study of the methods and instrumentation used in the crime laboratory. Topics discussed may include metrology, drug analysis, toxicology, firearms and explosives, trace evidence analysis, and fingerprints.

Laboratory work is a significant portion of the course. Course Fee.

Prerequisite(s): CHEM 340 with a minimum grade of C and CHEM 330 with a minimum grade of C

Course Fee: \$35

Recent Term(s) Offered: spring 2021

CHEM 435 Instrumental Analysis 3 Hours

An in-depth course in modern instrumental methods of analysis including spectroscopic, chromatographic and electroanalytical techniques.

Prerequisite(s): CHEM 330 with a minimum grade of C and CHEM 340 with a minimum grade of C

Corequisite(s): CHEM 436

Course Fee: \$35

Recent Term(s) Offered: fall 2020; fall 2021

CHEM 436 Instrumental Analysis Laboratory 2 Hours

A laboratory to accompany CHEM 435, focusing on techniques involving modern instrumental methods of analysis. Pre-lab and laboratory meets 4.5 hours per week.

Corequisite(s): CHEM 435

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CHEM 440 Introduction to Synthetic Organic Methodology 3 Hours

An advanced course designed to address a broad spectrum of topics including an overview of the year-long organic chemistry sequence and a systematic treatment of modern synthetic organic chemistry focusing on basic reactions and methodologies.

Prerequisite(s): CHEM 342 with a minimum grade of C

Recent Term(s) Offered: None

CHEM 446 Biochemistry I 3 Hours

A study of biochemical compounds and their role in intermediary metabolism. Special topics include biochemical energetics and coenzyme mechanisms.

Prerequisite(s): CHEM 340 with a minimum grade of C

Equivalent(s): BIOL 446

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

CHEM 447 Biochemistry Laboratory 2 Hours

A basic laboratory study involving selected experiments which illustrate biochemical principles including separation, identification and chemical properties of carbohydrates, lipids, proteins and enzymes.

Prerequisite(s): (BIOL 446 (may be taken concurrently) with a minimum grade of C or CHEM 446 (may be taken concurrently) with a minimum grade of C)

Equivalent(s): BIOL 447

Course Fee: \$50

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; fall 2022

CHEM 450 Physical Chemistry I 3 Hours

A detailed study of the fundamental principles and models describing the physical and chemical properties of matter at both the microscopic and macroscopic levels. Selected topics may include thermodynamics and equilibria, the kinetic theory of gases, transport properties, chemical kinetics, and interdisciplinary applications.

Prerequisite(s): CHEM 340 with a minimum grade of C and CHEM 330 with a minimum grade of C and (PHYS 231 with a minimum grade of C or PHYS 255 with a minimum grade of C) and MATH 136 with a minimum grade of C

Corequisite(s): CHEM 451

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

CHEM 451 Physical Chemistry I Laboratory 2 Hours

A laboratory to accompany CHEM 450 that emphasizes the treatment and analysis of scientific data as well as formal scientific communication. Pre-lab lecture and laboratory meets 4.5 hours per week.

Corequisite(s): CHEM 450

Course Fee: \$50

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

CHEM 452 Physical Chemistry II 3 Hours

A continuation of CHEM 450. Selected topics include introductory quantum mechanics, spectroscopy, statistical thermodynamics, and interdisciplinary applications.

Prerequisite(s): CHEM 450 with a minimum grade of C and CHEM 320 with a minimum grade of C and MATH 137 with a minimum grade of C and (PHYS 265 with a minimum grade of C or PHYS 332 with a minimum grade of C)

Corequisite(s): CHEM 453

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CHEM 453 Physical Chemistry II Laboratory 2 Hours

A laboratory to accompany CHEM 452 that emphasizes the treatment and analysis of scientific data as well as formal scientific communication. Pre-lab lecture and laboratory meets 4.5 hours per week.

Corequisite(s): CHEM 452

Course Fee: \$50

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CHEM 462 Bioinorganic Chemistry 3 Hours

This course is a study of the coordinating properties and reactivity of metal ions in living organisms. Metal ion toxicity and detoxification systems and functions of various metalloenzymes will be discussed.

Prerequisite(s): CHEM 340 with a minimum grade of C

Recent Term(s) Offered: None

CHEM 467 Biochemistry II 3 Hours

A study of the reactions of living systems and an introduction to the mechanisms and energetics of metabolism.

Prerequisite(s): (BIOL 446 or CHEM 446)

Equivalent(s): BIOL 467

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CHEM 470 Chemistry / Middle School 3 Hours

A study of the atomic and electronic structure of atoms, bonding theories, types of chemical reactions, intermolecular forces and the structure of solids as related to the middle school science curriculum. The course may not be used to fulfill the requirements for a chemistry major or minor.

Prerequisite(s): (CHEM 105 or CHEM 120)

Recent Term(s) Offered: spring 2021

CHEM 475 Selected Topics in Chemistry 1-3 Hours

Special topics are presented to acquaint advanced students with significant problems and developments of current interest in the field of chemistry. The course may be repeated for credit provided topics differ.

Recent Term(s) Offered: summer 2022

CHEM 476 Selected Topics in Chemistry Laboratory 1-3 Hours

(repeatable max of 6 hrs)

Special laboratory techniques are presented to acquaint advanced students with significant problems and developments of current interest in the field of chemistry. Note: Permission of instructor required.

Prerequisite(s): permission of instructor

Course Fee: \$50

Recent Term(s) Offered: None

CHEM 489 Cooperative Education in Chemistry III 3-6 Hours

(repeatable max of 6 hrs)

Practical out-of-the classroom experience in a supervised work situation with a cooperating business, industry, or governmental agency, emphasizing laboratory skills in chemistry.

Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: None

CHEM 490 Materials Chemistry 3 Hours

A study of the three major classes of materials: metals, polymers, and ceramics. Topics discussed will include chemical composition, bonding, common chemical and physical properties, microstructures, and how processing and uses are affected by chemical and physical properties.

Prerequisite(s): CHEM 320 with a minimum grade of C and CHEM 330 with a minimum grade of C and CHEM 342 with a minimum grade of C

Recent Term(s) Offered: fall 2021

CHEM 491 Materials Chemistry Laboratory 1-3 Hours (repeatable max of 6 hrs)

A laboratory course in materials that includes experiments on liquid flow, solid deformation, thermal properties, electrical conductivity of materials, microscopy, diffraction techniques, processing and testing of shaped articles. Note: Permission of department may be required.

Prerequisite(s): CHEM 320 with a minimum grade of C and CHEM 330 with a minimum grade of C and CHEM 342 with a minimum grade of C

Recent Term(s) Offered: None

Chinese (CHIN)

CHIN 100 Chinese Language and Culture On-Site 1-3 Hours

(repeatable max of 3 hrs)

An introduction to Chinese and Chinese-speaking culture in conjunction with study abroad for students with little or no previous language study. May be repeated for a total of three credits. Note: Permission of instructor is required.

Recent Term(s) Offered: None

CHIN 101 Elementary Chinese I 3 Hours

Conversational Mandarin with basic grammar and basic functional vocabulary of the Chinese language. Includes aspects of contemporary Chinese culture.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CHIN 102 Elementary Chinese II 3 Hours

Continuation of development of basic grammar and functional language skills of Mandarin. Includes aspects of contemporary Chinese culture. Fulfills World Language with a grade of C or better.

Prerequisite(s): (CHIN 101 or LPROF: CHINESE Composite with a score of 2 or High School 2 years Chinese)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CHIN 105 Introduction to Chinese Cultures 3 Hours

Survey of the contemporary culture of Chinese-speaking peoples, with emphasis on values, behavioral characteristics, social and political structures, and their achievements. Taught in English; only taught abroad.

Recent Term(s) Offered: None

CHIN 201 Intermediate Chinese I 3 Hours

Expansion of communication skills in increasingly complex and varied situations. Emphasis on conversational speaking, presentational writing and speaking, and understanding culturally specific texts and media.

Fulfills World Language with a grade of C or better.

Prerequisite(s): CHIN 102

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CHIN 202 Intermediate Chinese II 3 Hours

Continued expansion of interpersonal communication skills at the intermediate level. Emphasis on increasing comprehension, the building of vocabulary, and on presentational modes of speaking and writing.

Fulfills World Language with a grade of C or better.

Prerequisite(s): CHIN 201

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CHIN 208 Chinese Calligraphy 3 Hours

This skill-oriented course involves hands-on activities to familiarize students with the key techniques for traditional Chinese calligraphy.

Taught in English. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CHIN 209 Chinese Learning Lab & Exploratorium I 1-3 Hours

(repeatable max of 9 hrs)

Guided project-based individualized Chinese language and cultural studies at the novice and intermediate level. Number of credit hours will be determined in consultation with instructor.

Prerequisite(s): CHIN 102

Recent Term(s) Offered: spring 2020

CHIN 301 Advanced Intermediate Chinese I 3 Hours

Continued expansion of interpersonal communication skills at the advanced intermediate level. Focus on control of more complex linguistic forms to achieve increasing comprehension and presentation of Chinese language and culture on familiar topics. Fulfills World Language with a grade of C or better.

Prerequisite(s): CHIN 202

Recent Term(s) Offered: fall 2020; fall 2022

CHIN 302 Advanced Intermediate Chinese II 3 Hours

Continued expansion of interpersonal communication skills at the advanced intermediate level. Focus on control of more complex linguistic forms to achieve increasing comprehension and presentation of Chinese language and culture on both familiar and unfamiliar topics. Fulfills World Language with a grade of C or better.

Prerequisite(s): CHIN 301

Recent Term(s) Offered: spring 2020; spring 2021

CHIN 306 Experiencing Chinese Abroad 1-3 Hours (repeatable max of 6 hrs)

Supervised language and cultural studies accomplished during a study abroad program. Students will receive transferable credit for language study done during the study abroad program with the approval of instructor. Fulfills World Language with a grade of C or better.

Prerequisite(s): CHIN 102

Recent Term(s) Offered: spring 2020

CHIN 318 Business Chinese 3 Hours

This intermediate-level course aims to enhance students' daily communicative skills and cultural understanding in a business context in contemporary Chinese-speaking regions. Fulfills World Language with a grade of C or better.

Prerequisite(s): CHIN 202

Recent Term(s) Offered: fall 2020

CHIN 320 Chinese Conversation and Composition 3 Hours

This intermediate course advances students' interpersonal and presentational communication skills with intensive practice in all language skills and a focus on speaking and writing. Fulfills World Language with a grade of C or better.

Prerequisite(s): CHIN 202

Recent Term(s) Offered: fall 2021

CHIN 333 Chinese Culture and Civilization 3 Hours

This intermediate course introduces students to Chinese history, society, culture, and contemporary issues. It is taught in the target language. Fulfills World Language with a grade of C or better.

Prerequisite(s): CHIN 202

Recent Term(s) Offered: fall 2021

CHIN 370 Introduction to Modern Chinese Literature and Film 3 Hours

Students will learn about modern China and Chinese people through contemporary literature and film in this course. Fulfills World Language with a grade of C or better. Note: Completion of one CHIN 300-level course is required.

Recent Term(s) Offered: spring 2020; spring 2022

CHIN 389 Internship in Chinese 1-3 Hours (repeatable max of 6 hrs)

Supervised work using Chinese in a professional setting. Only open to Chinese majors or minors. Can be repeated for up to six credit hours. Fulfills World Language with a grade of C or better. Note: Permission of the program instructor is required.

Recent Term(s) Offered: None

CHIN 401 Advanced Chinese I 3 Hours

This interactive advanced course continues to expand students' language skills at the advanced level and enables students to communicate with native Chinese speakers on practical and factual matters. Fulfills World Language with a grade of C or better.

Prerequisite(s): CHIN 302

Recent Term(s) Offered: fall 2020; fall 2022

CHIN 402 Advanced Chinese II 3 Hours

This interactive course builds on language skills acquired in previous study of Chinese and trains learners to handle routine communication effortlessly among native speakers of Chinese. Fulfills World Language with a grade of C or better.

Prerequisite(s): CHIN 401

Recent Term(s) Offered: spring 2020; spring 2021

CHIN 409 Chinese Learning Lab & Exploratorium II 1-3 Hours (repeatable max of 9 hrs)

Guided project-based individualized Chinese language and cultural studies at the advanced level. Number of credit hours will be determined in consultation with instructor.

Prerequisite(s): CHIN 302

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CHIN 418 Business Chinese II 3 Hours

This advanced level course fosters continued development of students' language skills and cultural understanding about the business environment in contemporary Chinese-speaking regions. Fulfills World Language with a grade of C or better.

Prerequisite(s): CHIN 318

Recent Term(s) Offered: spring 2021

CHIN 420 Advanced Chinese Stylistics 3 Hours

This advanced course provides intensive practice in formal Chinese language. It aims to train students to be effective in narration, description, persuasion, exposition, and lyrical expression. Fulfills World Language with a grade of C or better.

Prerequisite(s): CHIN 320

Recent Term(s) Offered: spring 2020; spring 2022

CHIN 450 Reading Chinese Classics 3 Hours

Students will read excerpts of Chinese Classics to develop in-depth understanding of Chinese values and traditions in cultural context. Fulfills World Language with a grade of C or better. Note: Completion of two CHIN 300-level courses is required.

Recent Term(s) Offered: None

Chinese Flagship (CHNF)

CHNF 101 Intensive Elementary Chinese I 4 Hours

Intensive instruction to Chinese reading, writing, and conversational skills through exposure to daily life topics; designed for students with no previous study of Chinese. Fulfills World Language with a grade of C or better. Note: Enrollment in the Chinese Flagship Program or instructor permission required.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CHNF 102 Intensive Elementary Chinese II 4 Hours

Continued introductory intensive instruction in Chinese; designed to further build students' communication skills to an intermediate level. Fulfills World Language with a grade of C or better.

Prerequisite(s): CHNF 101

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CHNF 201 Intensive Intermediate Chinese I 4 Hours

Intensive instruction in Chinese; designed to further develop students' language skills and all around communicative competence to a novice-high to intermediate low level.

Prerequisite(s): CHNF 102

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CHNF 202 Intensive Intermediate Chinese II 4 Hours

Intensive instruction in Chinese; designed to further develop students' language skills and all around communicative competence to an intermediate-low to intermediate-mid level.

Prerequisite(s): CHNF 201

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CHNF 301 Intensive Advanced Chinese I 4 Hours

Continued intensive instruction in Chinese; designed to further develop students' language skills and all-round communicative competence to intermediate-mid to intermediate-high level.

Prerequisite(s): CHNF 202

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CHNF 302 Intensive Advanced Chinese II 4 Hours

Continued intensive instruction in Chinese; designed to further develop students' language skills and all around communicative competence to intermediate-high to advance-low level.

Prerequisite(s): CHNF 202

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; spring 2022

CHNF 399 Personalized Learning 3 Hours (repeatable max of 12 hrs)

Guided project-based individualized study for Chinese Flagship students in culture, language, or a research project of the Chinese world at the intermediate or advanced proficiency level. May be used with prior consent of full-time program faculty for directed tutoring or work conducted during study abroad. Fulfills World Language, with a grade of C or better. Note: Permission of instructor is required.

Prerequisite(s): CHNF 202 and permission of instructor

Recent Term(s) Offered: spring 2021; fall 2021; fall 2022

CHNF 420 Media Chinese 3 Hours

An advanced-level Chinese Flagship course designed to enhance students' immersion learning of Mandarin Chinese by introducing them to advanced level grammar, vocabulary, and formal writing seen in Chinese language media such as newspapers, television, and the internet. Note: Admission to the Chinese Flagship Program and instructor permission required.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CHNF 430 Chinese Culture 3 Hours

An advanced Chinese Flagship course designed to enhance students' immersion in Mandarin Chinese by introducing them to the language's cultural background; Taught entirely in Chinese, students learn both Chinese language and Chinese culture through such topics as history, traditional philosophy, political thoughts, religion, arts and literature, medicine and science.

Prerequisite(s): CHNF 420

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CHNF 440 Chinese Tradition 3 Hours

An advanced Chinese Flagship course designed to further deepen students' immersion learning of Mandarin Chinese vocabulary, grammar, and formal expression through introduction to China's cultural and historical traditions. Taught entirely in Chinese, the course interweaves the learning of both Chinese language and Chinese traditions. Note: Admission to the Chinese Flagship Program and instructor permission required.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CHNF 450 Classical Chinese 3 Hours

This is an advanced Chinese Flagship course designed to enhance students' knowledge of Mandarin Chinese by introducing classical Chinese. Taught entirely in Chinese, this course introduces classical Chinese vocabulary, and grammar by reading pre-modern literary, historical and philosophical texts.

Prerequisite(s): CHNF 420

Recent Term(s) Offered: spring 2020; spring 2022

CHNF 499 Domain Training in Chinese 3 Hours (repeatable max of 12 hrs)

Guided project-based learning for Chinese Flagship students in a domain specific area. Fulfills World Language, with a grade of C or better. Note: Permission of instructor is required.

Prerequisite(s): CHNF 302 and permission of instructor

Recent Term(s) Offered: spring 2022

Citizenship & Social Justice (CSJ)

CSJ 200 Introduction to Social Justice 3 Hours

An introductory study of theories, concepts and strategies of social justice, including individual action, policy, advocacy, and collective action.

Colonnade/Statewide General Education Code E-SB | SB

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; fall 2022

CSJ 301 Seminar in Social Justice 1-3 Hours (repeatable max of 6 hrs)

An examination of current social problems or issues and a consideration of possible courses of action to address the problems or issues. Selected courses also may include direct action or organizing for direct action.

Repeatable up to six hours.

Recent Term(s) Offered: spring 2020; spring 2021; summer 2022

CSJ 380 Our Future: Local and Global 3 Hours

An interdisciplinary examination of significant environmental, demographic, political, technological, and economic trends that will shape the world over the next several decades. Issues are examined on both a local and global scale. Note: Good standing in the Mauhrin Honors College, or 3.2 GPA, or permission of instructor required. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: None

CSJ 435 Reimagining Citizenship 3 Hours

An analysis of the contestations, inclusions and exclusions produced through multiple deployments of the concept, citizenship. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020

CSJ 499 Capstone in Citizenship & Social Justice 1-3 Hours (repeatable max of 6 hrs)

A capstone experience in which students engage in and reflect upon public work. Note: Permission of instructor may be required.

Prerequisite(s): (ICSR 200 or CSJ 200) and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Civil Engineering (CE)

CE 160 Principles of Surveying 3 Hours

A study of the basic principles of surveying. Topics include: field note-taking, taping distances, differential leveling, profile leveling, angular measurements, bearings & azimuths, EDM, traversing, topographic mapping, and construction stakeout. The use and care of surveying equipment includes: automatic levels, theodolites, pocket transits, total stations and data collectors.

Prerequisite(s): (MATH 117 or MATH 118 or MATH 136 (may be taken concurrently) or MATH 137 (may be taken concurrently))

Corequisite(s): CE 161

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; fall 2022

CE 161 Principles of Surveying Lab 1 Hour

Field and office procedures in support of material studied in CE 160.

Corequisite(s): CE 160

Course Fee: \$100

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; fall 2022

CE 176 Civil Engineering Freshman Design 1 Hour

An introduction to civil engineering and its specialties. Topics include a brief overview of: surveying, water resources, transportation, and construction, geotechnical, and structural engineering. The design process and the importance of public safety are emphasized. Students will complete a simple design project. Note: For transfer or change of major students who have earned at least 24 semester hours of credit or have completed a course equivalent in content to the generic WKU University Experience course, or permission of instructor.

Prerequisite(s): (MATH 136 (may be taken concurrently) or MATH 137 (may be taken concurrently) or MATH 237 (may be taken concurrently) or MATH 331 (may be taken concurrently))

Course Fee: \$50

Recent Term(s) Offered: fall 2020; spring 2021; spring 2022

CE 300 Floodplain Management 3 Hours

Introduction to federal and local regulations governing floodplain management, the National Flood Insurance Program, and flood maps. Successful completion of the class requires passing the Certified Floodplain Manager (CFM) Exam, within a maximum of two attempts. Students will be required to pay the exam fee(s) to the Association of State Floodplain Managers.

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Course Fee: \$50

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CE 303 Construction Management 3 Hours

The study of planning, administration, and management of construction projects and an introduction to the methodology utilized in executing specific designs. Emphasis is placed on the organization of construction firms, development of construction documents, theory of estimating and quantity take-offs, contractual and management systems, scheduling, project administration and inspection of construction operations.

Prerequisite(s): (MATH 117 (may be taken concurrently) or MATH 118 (may be taken concurrently) or MATH 119 (may be taken concurrently) or MATH 121 (may be taken concurrently) or MATH 127 (may be taken concurrently) or MATH 136 (may be taken concurrently) or MATH 137 (may be taken concurrently) or MATH 142 (may be taken concurrently) or MATH 183 (may be taken concurrently) or MATH 206 (may be taken concurrently) or MATH 302 (may be taken concurrently) or MATH 237 (may be taken concurrently) or MATH 240 (may be taken concurrently))

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CE 305 Risk Analysis 3 Hours

Uncertainty and methods for risk analysis for engineering systems including engineering economics, probabilistic and statistical methods, and Monte Carlo simulation with applications to civil, electrical, and mechanical engineering.

Prerequisite(s): MATH 137

Recent Term(s) Offered: spring 2020

CE 310 Strength of Materials Laboratory 1 Hour

Implementation of fundamental principles and physical laws governing the response of structural components to external forces. Students will plan, conduct and report on experiments to measure the performance characteristics of materials and structural systems.

Prerequisite(s): (MATH 227 (may be taken concurrently) or MATH 137) and (EM 221 (may be taken concurrently) or EM 222 (may be taken concurrently))

Corequisite(s): EM 303

Course Fee: \$100

Recent Term(s) Offered: None

CE 316 Equipment & Methods 3 Hours

Study of construction operations as a dynamic process. Primary topics include earthmoving, optimizing equipment for best production, foundation construction, concrete, masonry and steel construction methods, concrete formwork design, construction safety, and construction productivity. Field trips will be incorporated.

Prerequisite(s): (MATH 117 or MATH 118 or MATH 119 or MATH 121 or MATH 127 or MATH 136 or MATH 137 or MATH 142 or MATH 183 or MATH 205 or MATH 206 or MATH 225 or MATH 305 or MATH 237 or MATH 240 or MATH 275 or MATH 295)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Course Fee: \$75

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; winter 2021; spring 2021; spring 2022

CE 332 Transportation Engineering 3 Hours

An introduction to transportation engineering. Development of transportation systems in the United States. Route geometrics and design. Traffic flow characteristics and control. Planning, financing and economic analysis of transport facilities.

Prerequisite(s): CE 160 and CE 161 and EM 222 and PHYS 255

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CE 342 Fluid Thermal Science 3 Hours

Conservation of fluid mass and momentum, forces in fluids, pipe flow, fluid measurements, pump systems, hydrodynamic drag, open channel flow, and introduction to thermodynamics. Students may not earn credit for both CE 341 and CE 342.

Prerequisite(s): MATH 237 and (EM 221 or EM 222)

Restriction(s): Enrollment is limited to students in Civil Engineering (534) or Civil Engineering-Prep (534P)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CE 352 Introduction to Environmental Engineering 3 Hours

Introduction to the fundamental principles of environmental engineering. Topics in water quality, water and wastewater treatment, air quality, and solid waste and landfills are discussed.

Prerequisite(s): MATH 331 and CHEM 120

Recent Term(s) Offered: fall 2020

CE 370 Materials of Construction 2 Hours

An introduction to construction materials focusing on aggregate, concrete, masonry, asphalt, timber, and construction materials inspections. Topics will include material properties, applications, production and physical characteristics. Students will have the opportunity to become Level I certified through the American Concrete Institute.

Prerequisite(s): EM 222 with a minimum grade of C and EM 303 (may be taken concurrently)

Corequisite(s): CE 371

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CE 371 Construction Materials Laboratory 1 Hour

The laboratory component of CE 370 - Construction Materials. Projects include aggregate sieve analysis and specific gravity, asphalt sample preparation and strength testing using Superpave, and concrete strength, slump, and air content.

Prerequisite(s): EM 222 with a minimum grade of C and EM 303 (may be taken concurrently)

Corequisite(s): CE 370

Course Fee: \$125

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CE 378 Route Surveying 3 Hours

Horizontal alignment of simple curves, compound curves, and spirals; vertical alignment using equal and unequal tangent parabolic curves in conjunction with road gradients; superelevations; slope stakes; earthwork calculations including volumes and mass diagrams.

Prerequisite(s): CE 160 and CE 161 and AMS 163

Corequisite(s): CE 379

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CE 379 Route Surveying Lab 1 Hour

Field and office procedures in support of content in CE 378.

Prerequisite(s): CE 160 and CE 161

Corequisite(s): CE 378

Course Fee: \$100

Recent Term(s) Offered: fall 2020; fall 2021

CE 380 Boundary Surveying 3 Hours

A study of the principles of land surveying. Topics include: boundary descriptions, deeds, horizontal and vertical control, traverse computations, US Public Land Surveys, metes and bounds, property law, partitioning of land, restoring lost corners, right of ways, easements, and minimum standards for boundary surveys.

Prerequisite(s): CE 160 and CE 161 and AMS 163

Corequisite(s): CE 381

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CE 381 Boundary Surveying Lab 1 Hour

Field and Office procedures in support of material covered in CE 380.

Corequisite(s): CE 380

Course Fee: \$100

Recent Term(s) Offered: spring 2020; spring 2021

CE 382 Structural Analysis 3 Hours

Modeling of real structural systems; loads and building codes; analysis of statically determinate and indeterminate planar structures including displacements, internal forces, and influence lines; exact and approximate techniques.

Prerequisite(s): (MATH 237 (may be taken concurrently) or MATH 327) and (EM 302 or EM 303)

Course Fee: \$50

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CE 383 Structural Steel Design 3 Hours

Principles of the design of steel structures using the LRFD method. Design topics include axial tension and compression members, flexural members, beam-columns, connections, framing systems, and design codes. Additional topics include influence of non-technical factors such as availability, economy, and constructability.

Prerequisite(s): (CE 382 or CE 373)

Course Fee: \$50

Recent Term(s) Offered: spring 2021; spring 2022

CE 384 Reinforced Concrete Design 3 Hours

Design of reinforced concrete structures using the ACI Building Code. Design includes compression members, flexural members, foundations and one-way slabs.

Prerequisite(s): (CE 382 or CE 373)

Course Fee: \$50

Recent Term(s) Offered: spring 2020; fall 2021; fall 2022

CE 410 Soil Mechanics 3 Hours

A study of soils and their properties. Stress-strain analysis, horizontal and vertical stress distribution, consolidation and settlement, soil classification, compaction, static lateral earth pressure, permeability and flow nets, bearing capacity and slope stability, and foundation construction.

Prerequisite(s): (EM 302 or EM 303) and GEOL 111 and GEOL 113

Corequisite(s): CE 411

Restriction(s): Enrollment is limited to students in Civil Engineering (534)

Recent Term(s) Offered: summer 2020; fall 2020; fall 2021; fall 2022

CE 411 Soil Mechanics Lab 1 Hour

The laboratory component of CE 410 - Soil Mechanics. Projects include collection of soil samples in the field, observation of soil drilling and field testing equipment, classification of soils, plasticity testing, liquid limit, plastic limit, standard and modified proctor compaction test, nuclear density testing, and soil strength testing.

Corequisite(s): CE 410

Course Fee: \$125

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CE 412 Foundation Engineering 3 Hours

Continuation of the material in CE 410 - Soil Mechanics focusing on the design and construction of shallow and deep foundations. Additional topics will include slope stability analysis and advanced discussions of retaining wall design and subsurface investigations.

Prerequisite(s): CE 410 and CE 411

Restriction(s): Enrollment is limited to students in Civil Engineering (534)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CE 426 Advanced Construction Materials 3 Hours

Continuation of CE 370. Topics focus on highway construction and include soil stabilization, bituminous materials and mixtures, general highway materials and construction of rigid and flexible pavements.

Prerequisite(s): CE 370

Recent Term(s) Offered: spring 2020; spring 2022

CE 432 Traffic Engineering 3 Hours

Students will work on an in-class project, where they will conduct a field data collection at a specific signalized intersection (e.g., doing traffic counts), plus data analysis and report write-up. Appropriate WKU paperwork/approvals might be needed to send students to the field and ensure their safety.

Prerequisite(s): CE 332 with a minimum grade of C

Recent Term(s) Offered: None

CE 440 Masonry Design and Construction 3 Hours

Principles in the design and construction of masonry structures in accordance with the American Concrete Institute. Current and historical properties of brick, natural block, natural stone, mortar, grout, and reinforcement. Design and constructability of masonry columns, shear walls, and unreinforced and reinforced masonry structures. Note: Consent of instructor may be required.

Prerequisite(s): (CE 382 or CE 370) and CE 371

Recent Term(s) Offered: None

CE 444 Bridge Engineering 3 Hours

A practice-based introduction to bridge engineering, exploring the design, behavior, maintenance and rehabilitation of bridges. Bridge loads, reinforced and prestressed concrete slab and T-beam bridges, steel beam bridges, composite beam bridges, bridge evaluations and ratings, and upgrade methodologies are covered based on AASHTO code requirements using the LRFD design methodology. Abutments, piers, joints, bearings, and connections are also included. Nontechnical topics such as public perception of the nation's infrastructure with respect to bridges will be discussed.

Prerequisite(s): (CE 384 or CE 482 or CE 483)

Recent Term(s) Offered: None

CE 461 Hydrology 3 Hours

A study of the physical laws affecting the occurrence, distribution, movement, storage, and contamination of water in watersheds. Qualitative analysis and quantitative modeling of precipitation, evapotranspiration, infiltration, groundwater, and stream flow. Models of contamination of rivers, lakes, soils, and groundwater. Applications to engineering design under extreme events, and environmental engineering.

Prerequisite(s): MATH 331 and CE 160 and (CE 341 or CE 342) and (CE 305 (may be taken concurrently) with a minimum grade of or STAT 301 (may be taken concurrently) with a minimum grade of)

Recent Term(s) Offered: spring 2020; spring 2021

CE 462 Hydraulic Engineering Systems 3 Hours

This class deals with the application of hydraulics in Civil Engineering design. The topics include flow in pipelines and open channels, design of culvert systems, flow measurement, hydraulic structures, and computational methods and models.

Prerequisite(s): MATH 331 and CE 342 and (CE 305 (may be taken concurrently) or STAT 301 (may be taken concurrently))

Recent Term(s) Offered: spring 2022

CE 474 Civil Engineering Design Project 1-3 Hours (repeatable max of 3 hrs)

An independent study course in which students complete an engineering design project of their choice under the guidance of a faculty advisor.

Note: Permission of instructor required.

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021

CE 475 Selected Topics in Civil Engineering 3 Hours (repeatable max of 9 hrs)

Advanced special topics delivered by WKU faculty to acquaint undergraduate students with significant problems and developments of current interest in civil engineering. Note: Permission of instructor required.

Recent Term(s) Offered: None

College: Health & Human Serv (CHHS)

CHHS 100 Introduction to Child Welfare 3 Hours

This course introduces concepts of child welfare and child protection using an interdisciplinary lens. It encourages collaboration with a variety of professionals across disciplines, including criminal justice, psychology, sociology, social work, education, and health sciences. **Colonnade/**

Statewide General Education Code E-SB | SB

Recent Term(s) Offered: fall 2022

CHHS 175 University Experience – Health and Human Services 3 Hours

Transition to university experience. Topics include study skills, critical thinking skills, library education, campus resources, and personal development. Special emphasis on careers and degree programs related to the fields of health and human services. Field trips may be required; students responsible for own transportation. Note: For beginning college freshman or transfer students with fewer than 24 hours of degree credit.

Recent Term(s) Offered: None

Communication (COMM)

COMM 142 Forensic Practicum I 1 Hour

Individualized coaching and intercollegiate competitive experience in debate and individual events. Note: Active participation on the forensic team required.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

COMM 144 Forensic Practicum II 1 Hour

Individualized coaching and intercollegiate competitive experience in debate and individual events. Note: Active participation on the forensic team required.

Prerequisite(s): COMM 142

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

COMM 145 Fundamentals of Public Speaking and Communication 3 Hours

Focuses on the preparation and delivery of public speeches (informative and persuasive), with skills development in listening, teamwork, and interpersonal communication contexts. **Colonnade/Statewide General Education Code F-OC | OC**

Course Fee: \$5

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

COMM 154 New Media Literacy 3 Hours

Develops a framework to access, analyze, evaluate, create and interact with messages in a variety of digital forms, including social media.

Colonnade/Statewide General Education Code E-SB | SB

Recent Term(s) Offered: fall 2020; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

COMM 200 Communication Foundations 3 Hours

Introduces foundational communication contexts, theories, and processes. Note: Permission of instructor may be required. **Colonnade/Statewide General Education Code F-W2 | WC**

Prerequisite(s): (COMM 145 or COMM 161 or COMM 145C or COMM 161C or SCOM 145 or SCOM 161 or SPCH 145C or SPCH 161C or TRAN A3-L or KGET C-A3 or COMM A3-L or SCOM A3-L or COMM FOC-L or TRAN FOC-L or KGET F-OC) and (ENG 100 or ENGL 100C or KGET F-W1 or KGET C-A1 or ENG A1-L or ENG FW1-L or TRAN A1-L or TRAN FW1-L or TRAN A3-L or KGET CA3 or COMM A3-L or COMM FOC-L or TRAN FOC-L or KGET F-OC or ENG 100E)

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

COMM 212 Intro Digital Texts and Media 3 Hours

Students will study the rhetorical, critical, and ethical dimensions of digital composing, producing genres such as web-based videos, podcasts, blogs, websites, and video essays.

Prerequisite(s): ENG 100

Equivalent(s): ENG 212

Recent Term(s) Offered: None

COMM 240 Effective Listening 3 Hours

Studies contextual, psychological and logical bases of listening and training in listening for comprehension, analysis, synthesis, and evaluation. Focuses on critical listening skills in face-to-face, mediated, interactive and public settings.

Recent Term(s) Offered: fall 2020; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

COMM 242 Forensic Practicum III 1 Hour

Individualized coaching and intercollegiate competitive experience in debate and individual events. Note: Active participation on the forensic team required.

Prerequisite(s): COMM 144

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

COMM 244 Forensic Practicum IV 1 Hour

Individualized coaching and intercollegiate competitive experience in debate and individual events. Note: Active participation on the forensic team required.

Prerequisite(s): COMM 242

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

COMM 245 Argumentation and Debate 3 Hours

Introduces argumentation and debate, emphasizing construction, analysis, and refutation of arguments. Classroom experience is provided in academic debating.

Recent Term(s) Offered: spring 2021

COMM 247 Voice and Diction 3 Hours

Develops pleasing voice quality, correct articulation, distinct enunciation and diction free from substandard pronunciation.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; spring 2022

COMM 260 Organizational Interviewing 3 Hours

Offers fundamental principles and practices of interviewing from both interviewer and interviewee perspectives. Requires application of course content to interview process. Note: Permission of instructor.

Restriction(s): Students with a semester level of Freshman may **not** enroll.

Recent Term(s) Offered: None

COMM 300 Introduction to Communication Research Methods 3 Hours

Introduces rhetorical, qualitative, and quantitative methods of inquiry used in Communication research. Note: Permission of instructor may be required.

Prerequisite(s): COMM 200 (may be taken concurrently) with a minimum grade of C and (MATH 109 or MATH 115 or MA 109C or MA 115C or MATH 116 or MATH 116E or MATH 117)

Recent Term(s) Offered: fall 2020; fall 2021

COMM 315 Sport Communication 3 Hours

Introduces students to the management of communication and public relations within sport.

Equivalent(s): SPM 315

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

COMM 321 Communications Analytics in Public Relations and Advertising 3 Hours

Introduction to practical application of the platforms, tools, data sources, and distribution channels of communications analytics in public relations and advertising.

Prerequisite(s): PR 255 or AD 240 or COMM 212 or permission of instructor

Equivalent(s): AD 321, PR 321

Recent Term(s) Offered: None

COMM 330 Leadership Communication 3 Hours

Studies the role that communication plays in various leadership contexts and situations. Note: Permission of instructor may be required.

Restriction(s): Students with a semester level of Freshman may **not** enroll.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

COMM 342 Forensic Practicum V 1 Hour

Individualized coaching and intercollegiate competitive experience in debate and individual events. Note: Active participation on the forensic team required.

Prerequisite(s): COMM 244

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

COMM 344 Forensic Practicum VI 1 Hour

Individualized coaching and intercollegiate competitive experience in debate and individual events. Note: Active participation on the forensic team is required.

Prerequisite(s): COMM 342

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

COMM 345 Advanced Public Speaking 3 Hours

Advances the preparation and delivery of public speeches including speeches to explain a concept, technical speeches, speeches to convince, speeches to actuate, speeches to entertain, and speeches for special occasions. Note: Permission of instructor may be required.

Prerequisite(s): (COMM 145 with a minimum grade of C or COMM 161 with a minimum grade of C or COMM 145C with a minimum grade of C or COMM 161C with a minimum grade of C or SCOM 145 with a minimum grade of C or SCOM 161 with a minimum grade of C or SPCH 145C with a minimum grade of C or SPCH 161C with a minimum grade of C)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

COMM 346 Persuasion 3 Hours

Introduces basic theories of persuasion and attitude change. The course emphasizes communication theory and rhetorical perspectives of persuasion. Note: Permission of instructor may be required.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

COMM 348 Interpersonal Communication 3 Hours

Introduces students to the fundamentals of interpersonal communication, including interpersonal skills, theory, and research. Note: Permission of instructor may be required.

Prerequisite(s): COMM 145 with a minimum grade of C

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

COMM 349 Small Group Communication 3 Hours

Studies group dynamics, interaction and communication in group situations. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

COMM 362 Organizational Communication 3 Hours

Introduces theoretical approaches to human communication in organizations. Note: Permission of instructor may be required.

Prerequisite(s): (COMM 200 (may be taken concurrently) with a minimum grade of C or ENG 300 (may be taken concurrently) with a minimum grade of C)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

COMM 363 Interracial Communication 3 Hours

Prerequisite(s): COMM 263. Examines the role of race as a social construct in communication within and between identified racial groups. Race is studied as a significant factor in cultural identity, communication practices, and as central to perceptions and attributions made intra- and interracially.

Recent Term(s) Offered: None

COMM 364 Crisis Communication 3 Hours

Examines communicative pre-crisis preparation and post-crisis response strategies. Note: Permission of instructor may be required.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

COMM 365 Intercultural Communication 3 Hours

Introduces concepts and principles from the communication discipline for examining, analyzing, and evaluating challenges and opportunities of engaging cultural differences in peoples' face-to-face and mediated communication interactions in today's increasingly interdependent and interconnected world. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

COMM 374 Gender Communication 3 Hours

Examines communication behaviors as affected by gender, including assessment of communication differences reflected in organizational, interpersonal, and mass communication modes.

Restriction(s): Students with a semester level of Freshman may **not** enroll.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

COMM 388 Seminar in Political Communication 3 Hours

Focuses on the roles, processes, and effects of communication within the context of politics. This course is required of all Political Communication Certificate students. Note: Permission of instructor may be required.

Restriction(s): Students with a semester level of Freshman may **not** enroll.

Recent Term(s) Offered: fall 2020

COMM 400 Special Topics in Communication 3 Hours (repeatable max of 6 hrs)

Offers students courses on various communication topics not covered specifically in the curriculum. Note: Permission of instructor may be required.

Prerequisite(s): (COMM 200 with a minimum grade of C or ENG 300 (may be taken concurrently) with a minimum grade of C)

Restriction(s): Students with a semester level of Freshman may **not** enroll.

Recent Term(s) Offered: winter 2021; spring 2021; spring 2022

COMM 415 Study Abroad in Communication 1-3 Hours (repeatable max of 6 hrs)

Study of communication interactions, processes, and culture in international and cross-cultural locations. Repeatable up to six hours.

Recent Term(s) Offered: winter 2020; winter 2022

COMM 440 Health Communication 3 Hours

Examines and analyzes the critical role communication plays in health campaigns, health care delivery, health care contexts, and in health behavior change. Note: Permission of instructor.

Prerequisite(s): (COMM 200 with a minimum grade of C or ENG 300 with a minimum grade of C)

Restriction(s): Students with a semester level of Freshman may **not** enroll.

Recent Term(s) Offered: None

COMM 442 Forensic Practicum VII 1 Hour

Individualized coaching and intercollegiate competitive experience in debate and individual events. Note: Active participation on the forensic team required.

Prerequisite(s): COMM 344

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

COMM 444 Forensic Practicum VIII 1 Hour

Individualized coaching and intercollegiate competitive experience in debate and individual events. Note: Active participation on the forensic team required.

Prerequisite(s): COMM 442

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

COMM 448 Advanced Interpersonal Communication 3 Hours

Designed as a survey of research and theory in interpersonal communication. Note: Permission of instructor.

Prerequisite(s): COMM 348 with a minimum grade of C

Recent Term(s) Offered: winter 2020

COMM 450 Family Communication 3 Hours

Designed as a survey of research and theory in family communication. Note: Permission of instructor may be required.

Prerequisite(s): COMM 348 with a minimum grade of C

Recent Term(s) Offered: None

COMM 451 Communication in the Digital Age 3 Hours

Examines various types of computer-mediated communication available in contemporary organizations. Note: Permission of instructor may be required.

Prerequisite(s): (COMM 200 with a minimum grade of C or ENG 300 (may be taken concurrently) with a minimum grade of C)

Restriction(s): Students with a semester level of Freshman may **not** enroll.

Recent Term(s) Offered: spring 2020; spring 2022

COMM 462 Advanced Organizational Communication 3 Hours

Integrates and applies studies of organizational communication theory and research. Note: Permission of instructor may be required.

Prerequisite(s): COMM 362 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

COMM 463 Advanced Intercultural Communication 3 Hours

Advances understanding and application of intercultural communication theory and research for examining, analyzing, and evaluating challenges of engaging cultural difference in today's interconnected world. Note: Permission of instructor may be required.

Prerequisite(s): (Social Cultural- C or Higher or Local to Global - C or Higher)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

COMM 470 Organizational Relationships 3 Hours

Examines the positive and negative elements of workplace relationships and their importance to organizational and personal well-being. Note: Permission of instructor may be required.

Prerequisite(s): COMM 200 with a minimum grade of C and (COMM 348 with a minimum grade of C or COMM 362 (may be taken concurrently) with a minimum grade of C)

Recent Term(s) Offered: spring 2022

COMM 471 Communication in Multinational Organizations 3 Hours

Overview of the significant roles of communication in multinational organizations (MNOs). Analysis and application of theories and principles for effective communication among a diverse group of employees in various MNO contexts. Note: Permission of instructor.

Prerequisite(s): COMM 362 with a minimum grade of C

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

COMM 489 Internship in Communication 3 Hours (repeatable max of 6 hrs)

Structures appropriate supervised work with a cooperating organization. Open only to Communication Studies and Corporate and Organizational Communication majors. Note: Course will be repeatable once for credit (only 3 hours will count for credit toward major).

Prerequisite(s): COMM 200 with a minimum grade of C and COMM 362 with a minimum grade of C

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Enrollment is limited to students in Corp. Organ. Communication (522), Corp. Organ. Comm-Prep (522P), Advertising (727), Advertising (Seeking Adm) (727P), Popular Culture Studies (758), Public Relations (763), Public Relations (Seeking Adm) (763P), Communication Studies (792) or Communication Studies-Prep (792P)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

COMM 494 Capstone in Communication 1 Hour

Enables students to demonstrate knowledge of the discipline by applying Communication theories to analyze relevant/professional work experience, and illustrate career preparation/readiness.

Prerequisite(s): COMM 200 and COMM 300 (may be taken concurrently)

Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021

COMM 495 Independent Study in Communication 1-6 Hours

(repeatable max of 6 hrs)

Develops directed research in communication. Students are to submit written petitions for faculty approval of the study during the previous semester. Note: Permission of instructor may be required.

Prerequisite(s): COMM 200 with a minimum grade of C

Recent Term(s) Offered: spring 2020; summer 2020

Communication Disorders (CD)

CD 200 Cross Cultural Health Care Encounters 1 Hour

Provides the opportunity to understand and analyze cross-cultural issues related to communication that emerge in health care settings, particularly during a patient-provider encounter.

Recent Term(s) Offered: None

CD 210 Communication Disorders in Linguistically Diverse Populations 3 Hours

Foundation for the identification, evaluation, and treatment of communication disorders in clients from diverse cultural and linguistic backgrounds.

Recent Term(s) Offered: None

CD 220 Implementing and Managing a Language Access Service 3 Hours

Implementation and maintenance of successful language access services in health care facilities. Addresses the legal and administrative aspects of language access programs and services.

Recent Term(s) Offered: None

CD 230 Medical Interpreting Skills 3 Hours

Introduces and builds the skills necessary for a bilingual student to become a professional medical interpreter. It also examines the various roles of the professional medical interpreter. Note: Score of "intermediate-high or above on American Council on Teaching Foreign Language (ACTFL) is required; Information regarding this test and fees can be found at www.actfl.org.

Prerequisite(s): AH 290

Recent Term(s) Offered: None

CD 280 Introduction to Communication Sciences and Disorders 3 Hours

Orientation course to the profession introduces prospective students of speech pathology and audiology to the general areas of prevention, identification, diagnosis, evaluation, and treatment as related to the management of communication disorders. Includes a basic introduction to the anatomy, physiology, and etiologies of the ear.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CD 290 Guided Clinical Observations 1 Hour

Provides speech pathology/audiology students with opportunities to observe a minimum of 25 hours of treatment for communication disorders in children and adults.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CD 347 Science of Speech and Hearing 3 Hours

Overview of the linguistic, psycholinguistic, and sociolinguistic variables of speech and hearing. Basic orientation to instruments for measuring acoustic parameters.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CD 348 Introduction to Clinical Research and Writing in Communication Sciences and Disorders 3 Hours

Introduction to clinical research methods and writing for professional reports and publication in speech language pathology and audiology. The course provides an overview of discipline specific research strategies, methods, and goals of clinical research. A primer in scientific and professional writing for speech language pathology specific clinical settings and journals is also covered.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CD 405 Applied Phonetics 3 Hours

Study of distinctive feature systems that classify consonants and vowels, the definitions of phonological process terminology, and practice in broad and narrow transcription of words and connected speech.

Prerequisite(s): CD 280 and CD 290

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Enrollment is limited to students in Communication Disorders (595) or Communication Disorders- Prep (595P)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CD 433 Communication Evaluation in Autism Spectrum Disorders 3 Hours

Communication diagnostic considerations employed when assessing language in individuals with diagnoses along the Autism Spectrum Disorder (ASD) continuum; formal and descriptive assessment is presented with case study methodology.

Prerequisite(s): CD 485

Recent Term(s) Offered: None

CD 434 Communication Intervention in Autism Spectrum Disorders 3 Hours

Communication intervention considerations and evidence-based strategies are presented for individuals diagnosed within the Autism Spectrum Disorder (ASD) continuum; use of evidence-based strategies and case study methodology.

Prerequisite(s): CD 433

Recent Term(s) Offered: None

CD 472 Special Topics in Communication Disorders 1-3 Hours

(repeatable max of 6 hrs)

An in-depth examination of a topic of current interest and relevance to students majoring in Communication Disorders or minoring in ASL.

Recent Term(s) Offered: spring 2020; summer 2022

CD 478 Clinical Issues and Treatment in Speech Language Pathology 3 Hours

Overview of specified speech and language disorders that may be encountered in a clinical setting. Outcomes based treatment will be discussed.

Restriction(s): Enrollment is limited to students in Communication Disorders (595)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CD 481 Speech and Language Development 3 Hours

Introduction to development of speech and language across the lifespan with emphasis on comprehensive child development. Topics include development of speech and language, play, cognition, socialization, and emerging literacy.

Recent Term(s) Offered: summer 2020; fall 2020; summer 2021; fall 2021; summer 2022; fall 2022

CD 482 Audiology 3 Hours

Review basic speech science, ear anatomy, physiology and pathology. Training in auditory testing by speech, pure tone, and bone conduction. Testing techniques for pediatric populations.

Restriction(s): Enrollment is limited to students in Communication Disorders (595) or Communication Disorders- Prep (595P)

Recent Term(s) Offered: summer 2020; fall 2020; summer 2021; fall 2021; summer 2022; fall 2022

CD 483 Introduction to Disorders of Articulation and Phonology 3 Hours

Study of the etiology, evaluation, and management of phonological process proficiency in children. Includes dialectal and bilingual differences. Stresses proficiency in administering protocols and planning therapy using several approaches.

Prerequisite(s): CD 405

Restriction(s): Enrollment is limited to students in Communication Disorders (595) or Communication Disorders- Prep (595P)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CD 484 Speech Anatomy and Physiology 3 Hours

Designed to help students identify the structures and functions which comprise the speech and hearing mechanism. The relation of this mechanism to the production and development of speech and language will be addressed.

Restriction(s): Enrollment is limited to students in Communication Disorders (595) or Communication Disorders- Prep (595P)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CD 485 Introduction to Assessment in Communication Disorders 3 Hours

Focus on assessment using standardized and nonstandardized screening and diagnostic instruments. Development of formal and informal evaluation techniques common to speech pathology/audiology. Overview of data gathering and interpretation regarding communication functions in persons of all ages. Includes multi-cultural assessment tools and methods.

Prerequisite(s): CD 405 and CD 481 and CD 484

Restriction(s): Enrollment is limited to students in Communication Disorders (595) or Communication Disorders- Prep (595P)

Recent Term(s) Offered: spring 2020; summer 2020; spring 2021; summer 2021; spring 2022; summer 2022

CD 486 Language Disorders 3 Hours

Identification, diagnosis, and treatment approaches used with language delayed children. Covers current state and federal legislation as related to service delivery models. Evaluation strategies include language sampling and report writing. Treatment approaches based on medical and educational models with emphasis on functional language therapy.

Prerequisite(s): CD 405 and CD 481 and CD 484

Restriction(s): Enrollment is limited to students in Communication Disorders (595) or Communication Disorders- Prep (595P)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CD 487 Aural Rehabilitation 3 Hours

Includes terminology, diagnostic procedures (with emphasis on early identification) and habilitation/rehabilitation programs such as manual and total communication for pediatric through geriatric populations.

Prerequisite(s): CD 482

Restriction(s): Enrollment is limited to students in Communication Disorders (595)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CD 488 Augmentative Communication Systems 3 Hours

Focus on terminology and issues in alternative/augmentative communication. Teaches about low-, mid-, and high-tech devices to meet client needs. Strategies for assessment and treatment will be addressed.

Prerequisite(s): CD 405 and CD 481 and CD 483 and CD 485 and CD 486

Restriction(s): Enrollment is limited to students in Communication Disorders (595)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CD 489 Communication Disorders in Aging 3 Hours

Teaches about symptoms, causes, and treatment of speech, language, and hearing disorders in the geriatric population.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CD 490 Connecting with Nonverbal Communicators 3 Hours

Overview of preverbal communication development, nonverbal expression, and disorders associated with complex syndromes. Focus is on language intervention strategies used with individuals who have complex syndromes and/or medical conditions.

Prerequisite(s): CD 481 and CD 486

Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in Communication Disorders (595)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CD 491 Management of Communication Disorders in the School 3 Hours

Focus on assessment techniques; therapy approaches; case selection; scheduling; program planning; program evaluation; and federal, state and local legislation for school support services. Also addresses service delivery to culturally diverse populations.

Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in Communication Disorders (595)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CD 492 Neuroanatomy in Communication Sciences and Disorders 3 Hours

Introduction to the study of brain, central nervous system, and peripheral nervous system and its relation to the field of communication sciences and disorders. Normal and abnormal development will be addressed. Diagnostic procedures and intervention techniques are discussed.

Prerequisite(s): CD 482 and CD 484

Restriction(s): Enrollment is limited to students in Communication Disorders (595)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CD 495 Clinical Internship 2,3 Hours (repeatable max of 9 hrs)

Introduction to therapeutic process by beginning the transition from theory to practice. Clinical documentation; therapeutic planning and implementation; and case study analysis are addressed.

Prerequisite(s): CD 478 and CD 483 and CD 485 and CD 486 and CD 487

Restriction(s): Enrollment is limited to students in Communication Disorders (595)

Course Fee: \$50

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CD 496 International Speech Pathology 3 Hours

A study abroad course that provides students with an opportunity to acquire knowledge and understanding of speech pathology services in other countries. Emphasis on the identification of different methodologies employed by clinicians in other countries for treating communication disorders in adults and children.

Restriction(s): Enrollment is limited to students in Communication Disorders (595) or Communication Disorders- Prep (595P)

Recent Term(s) Offered: None

Computer Info Technology (CIT)

CIT 300 Computer Information Technology Foundations 3 Hours

Introduces students to educational technology and the distance education process necessary for the CIT Program.

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CIT 302 Web Development 3 Hours

Introductory course in web design and development. Provides students with strategies and skills to plan and develop commercial web sites.

Prerequisite(s): CIT 300 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CIT 310 Systems Architecture I 3 Hours

Introduction to applied technology and computer architecture. Emphasis will be on hardware specification and selection, troubleshooting, maintenance, and optimizing system performance.

Prerequisite(s): CIT 300 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CIT 312 Systems Architecture II 3 Hours

Introduction to software elements of the computer, including operating systems, programming tools, and system utilities. Course will emphasize these elements in an applied, organizational context.

Prerequisite(s): CIT 310 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CIT 330 Systems Development I 3 Hours

Emphasis on developing structured system applications and program logic. Assumes no prior experience with system development and does not focus on any particular language.

Prerequisite(s): CIT 300 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: summer 2020; fall 2020; summer 2021; fall 2021; summer 2022; fall 2022

CIT 332 Systems Development II 3 Hours

Practical study of system-development tools commonly used in business and organizations. This course will include advanced topics such as interfacing systems with databases and web applications.

Prerequisite(s): CIT 330 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022; summer 2022

CIT 350 Database Administration I 3 Hours

Introduction to database applications and related fundamentals including database models, normalization, and principles of effective database design.

Prerequisite(s): CIT 300 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

CIT 352 Database Administration II 3 Hours

A continuation of CIT 350 with emphasis on developing distributed database solutions, client-server models for business use and advanced SQL.

Prerequisite(s): CIT 350 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CIT 370 Telecommunications I 3 Hours

Overview of modern networking systems, including networking fundamentals, local area networks, routing, addressing, wide area networks, remote access, and security. Emphasis on applied technology used in organizational settings.

Prerequisite(s): CIT 300 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CIT 372 Telecommunications II 3 Hours

Introduction to the TCP/IP protocol, its use in an organizational environment, and the different sub-protocols that underlie popular business applications.

Prerequisite(s): CIT 370 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CIT 412 Advanced Systems Architecture I 3 Hours

A continuation of CIT 312 with a focus on enterprise architecture and how to design computer system solutions using industry-standard operating systems and tools.

Prerequisite(s): CIT 312 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CIT 414 Advanced Systems Architecture II 3 Hours

Examines both the managerial aspects of system design—build vs. buy, labor, and related strategic decisions—and administration of corporate networks, and related systems.

Prerequisite(s): CIT 412 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CIT 416 Systems Administration I 3 Hours

Strategies and techniques to prepare students for enterprise server design, implementation, and maintenance, including advanced networking hardware and software tools.

Prerequisite(s): CIT 312 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CIT 418 Systems Administration II 3 Hours

A continuation of CIT 416 that provides more in-depth analysis of system architecture and administration, developing strategic advantage through appropriate investments in technology and contemporary issues in enterprise computing and management.

Prerequisite(s): CIT 416 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; spring 2022

CIT 432 Advanced Systems Development I 3 Hours

Focuses on advanced system-development approaches. Students will utilize modern development tools to build business systems and applications.

Prerequisite(s): CIT 332 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CIT 434 Advanced Systems Development II 3 Hours

Focuses on the managerial aspects of systems development. Analyzes the various stakeholders of enterprise software architectures, including software architects, designers, analysts, developers, members of IT strategy departments, and project managers.

Prerequisite(s): CIT 432 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: fall 2020; fall 2022

CIT 436 Web Systems Development I 3 Hours

Emerging trends in web-based applications and how they are developed. Emphasis on building business-oriented solutions using web technology and the Internet.

Prerequisite(s): CIT 302 with a minimum grade of C and CIT 332 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CIT 438 Web Systems Development II 3 Hours

A continuation of CIT 436 providing additional coverage of web service and application topics. Also emphasizes integration with existing database systems and legacy applications.

Prerequisite(s): CIT 436 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: None

CIT 452 Advanced Database Administration I 3 Hours

Focuses on administering the enterprise database system. Emphasizes implementation and administration issues associated with large-scale database systems.

Prerequisite(s): CIT 352 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CIT 454 Advanced Database Administration II 3 Hours

A continuation of CIT 452. Related managerial issues are emphasized in this course. Topics include data warehousing, data mining, and distributed database systems administration.

Prerequisite(s): CIT 452 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CIT 456 Systems Analysis & Design I 3 Hours

Modern analysis and design techniques with an emphasis on developing organizational systems.

Prerequisite(s): CIT 352 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CIT 458 Systems Analysis & Design II 3 Hours

Analysis and design of object-oriented systems.

Prerequisite(s): CIT 456 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CIT 472 Advanced Telecommunications I 3 Hours

Strategies for planning, designing, and implementing wireless networks including Wi-Fi adhoc networks, hybrid wireless, etc. as part of an overall organizational network strategy.

Prerequisite(s): CIT 372 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CIT 474 Advanced Telecommunications II 3 Hours

Emerging networking technologies that create value and strategic advantage for business users. Emphasis on integrating networking technologies with existing systems and infrastructure.

Prerequisite(s): CIT 472 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020

CIT 476 Network Administration I 3 Hours

Network administration and management with an emphasis on technologies and tools for supporting large-scale business networks.

Prerequisite(s): CIT 372 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CIT 478 Network Administration II 3 Hours

The latest Microsoft technologies and tools for supporting network administration in organizational environments.

Prerequisite(s): CIT 476 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; spring 2022

CIT 482 Systems Security I 3 Hours

An examination of computer and corporate security in business settings, emphasizing security implementation within organizations using commercial tools and technologies.

Prerequisite(s): CIT 300 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CIT 484 Systems Security II 3 Hours

A continuation of CIT 482 that provides additional study and experience with managerial/operational issues affecting the security of enterprise computers and networks; examines available tools and opportunities in the field.

Prerequisite(s): CIT 482 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; spring 2022

CIT 486 Knowledge Management 3 Hours

Examines computer-based knowledge-how organizations can capture, store, share, and effectively manage their intellectual resources.

Prerequisite(s): CIT 300 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CIT 490 Senior Research 3 Hours

Students work on a capstone research project utilizing skills and knowledge from prior courses in their degree program. Projects performed, when possible, for a specific client or local industry. Lecture and Laboratory. Note: Consent of instructor required.

Course Fee: \$50

Recent Term(s) Offered: fall 2021; spring 2022; fall 2022

CIT 492 Technology Management I 3 Hours

Examines the management of technological projects including planning, implementation, control, quality, time, and budget.

Prerequisite(s): CIT 300 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022

CIT 494 Technology Management II 3 Hours

A practical examination of information technology with emphasis on the tactical and operational role of IT in an organization.

Prerequisite(s): CIT 492 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022

CIT 496 Technology Support Administration 3 Hours

Explores the challenge of supporting technology resources within an organizational setting and presents current strategies and tools employed by managers to support users and technologies across the firm.

Prerequisite(s): CIT 300 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Tech (555)

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; spring 2022; fall 2022

Computer Information Sys (CIS)

CIS 141 Analytics and Technology 3 Hours

An introduction to the breadth of information technology and the role of computer based devices for everyday problem solving in life, work and research. Practical experience with current as well as emerging technologies is provided. Students who have earned credit in CSCI 145C may not enroll in CIS 141. **Colonnade/Statewide General Education Code E-SB | SB**

Course Fee: \$40

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CIS 205 Technology in Society and Business 3 Hours

Examination of the impact of digital information technology on domestic and international businesses and societies, along with ethical and social impacts on professional and personal decision-making. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CIS 226 Introduction to Visual Programming 3 Hours

A study in the algorithmic approach of the analysis of problems and their solutions. A visual programming language will be introduced and used in solving assigned problems. Laboratory work will be required outside of class meetings.

Recent Term(s) Offered: None

CIS 248 Systems Integration 3 Hours

Continuing coverage of programming with emphasis on integrating and designing useful graphical user interfaces to enter, edit and retrieve information from existing databases. Secondary emphasis will be on generating complicated detailed reports.

Prerequisite(s): CIS 246 with a minimum grade of C or CS 226 with a minimum grade of C or CIS 226 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Computer Information Systems (706)

Recent Term(s) Offered: None

CIS 320 Personal Information Technologies 3 Hours

The management and deployment of personal productivity technologies, including management of facilities, workstations and support services.

Particular emphasis is placed on using technology tools to increase productivity and quality.

Prerequisite(s): (CIS 141 or CSCI 145C)

Course Fee: \$40

Recent Term(s) Offered: summer 2020; fall 2020; summer 2021; fall 2021; fall 2022

CIS 321 Emerging Information Technologies 3 Hours

Overview of the most recent tools and techniques in information technology and their utilization in the business environment.

Prerequisite(s): (CIS 141 or CSCI 145C)

Course Fee: \$40

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022; fall 2022

CIS 449 Independent Study in Computer Information Systems 3 Hours

Directed study and research in one area of computer information systems.

Prerequisite(s): BDAN 305

Recent Term(s) Offered: None

Computer Science (So Campus) (CSCI)

CSCI 145C Introduction to Computing 3 Hours

An introduction to the use of the computer that explores what a computer is, what it can do, and how it does it. The following topics are surveyed: hardware, software, telecommunications, programming languages, software development, a short history of computing, and the computer's impact on society. Projects in word processing, spreadsheets, file management, and BASIC are assigned. Not acceptable for credit in computer science major or minor. Note: Completion of PCC curriculum in algebra is required.

Recent Term(s) Offered: fall 2020; spring 2021; spring 2022

Computer Science (Univ) (CS)

CS 121 Computational Problem Solving 4 Hours

Students will tackle problems ranging from elementary to advanced, using mathematical methods, algorithmic techniques, and computational methods. This course is taught jointly by mathematics and computer science faculty.

Restriction(s): Enrollment limited to students with a semester level of Academy Junior or Academy Senior.

Equivalent(s): MATH 121

Recent Term(s) Offered: None

CS 146 Introduction to Programming 3 Hours

A study of the algorithmic approach in the analysis of problems and their computational solutions. A structured language will be introduced and used in solving assigned problems. Lab sessions may be held in addition to lecture sessions. Not acceptable for credit in computer science major or minor. Note: Two years of high school algebra or concurrent enrollment in a college algebra course required. **Colonnade/Statewide General Education Code F-QR | QR**

Course Fee: \$45

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CS 157 Information Security I 3 Hours

An introduction to the concepts, issues, and essential skills of computer security. Topics include computer-based systems, internet communications, networking, and security. Laboratory sessions will be held as needed. May not be counted toward a computer science major or minor.

Recent Term(s) Offered: spring 2021; spring 2022

CS 170 Problem Solving and Programming 3 Hours

The fundamentals of problem solving, program design, and program development techniques. A high-level programming language is used and lab experiences are included. The course may not be counted toward a computer science major or minor.

Prerequisite(s): (MPE - Algebra with a score of 14 or SAT Mathematics Score with a score of 560 or ACT Math with a score of 22 or KYOTE College Algebra with a score of 14) or MATH 115 (may be taken concurrently) or MATH 116 (may be taken concurrently)

Course Fee: \$45

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CS 175 University Experience – Computer Science 3 Hours

Transition to university experience. Topics include study skills, critical thinking skills, library education, exploration of majors and careers degree programs, campus resources, and personal development. Special attention is given to educational requirements, careers, and resources in the field of computer science.

Recent Term(s) Offered: None

CS 180 Computer Science I 4 Hours

A study of the algorithmic approach to the analysis of problems and their computational solutions, using a high-level structured language. Labs are included in the course.

Prerequisite(s): (CS 170 with a minimum grade of C or (ACT Math with a score of 22 and MPE - Algebra with a score of 18) or ACT Math with a score of 27 or MATH 116 with a minimum grade of C or MATH 116E with a minimum grade of C or MA 116C with a minimum grade of C or MATH 123 (may be taken concurrently) with a minimum grade of C)

Course Fee: \$45

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

CS 221 Computer Science II 4 Hours

Continued study of algorithmic problem solving techniques using software engineering and a high-level programming language. Introduction to data structures and their applications. Labs are included in this course. Note: Eligibility to enroll in a calculus course based on criteria developed by the Department of Mathematics.

Prerequisite(s): ((ACT Math with a score of 27 or SAT Mathematics Score with a score of 650) or (ACT Math with a score of 22 and MPE - Algebra with a score of 20 and MPTE - Trigonometry with a score of 10) or (MATH 117 with a minimum grade of C or MA 117C with a minimum grade of C or MATH 118 with a minimum grade of C or MATH 136 with a minimum grade of C or MATH 137 with a minimum grade of C)) and CS 180 with a minimum grade of C

Course Fee: \$45

Recent Term(s) Offered: spring 2020; fall 2020

CS 239 Problem Solving with Computational Techniques 3 Hours

Solving engineering problems using computational techniques. Topics include problem definition, algorithm development, flowcharting, input/output and structured programming. May count as 1.5 hours towards a major/minor in Computer Science. Note: Placement into a science calculus course may be required for course enrollment.

Prerequisite(s): (MATH 117 with a minimum grade of C or MATH 136 (may be taken concurrently) with a minimum grade of C or MATH 137 with a minimum grade of C or MATH 237 with a minimum grade of C or MATH 331 with a minimum grade of C)

Course Fee: \$45

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CS 245 Introduction to a Computer Programming Language 1.5 Hour (repeatable max of 3 hrs)

Designed to introduce the syntax, advantages, limitations, and selected applications of a particular programming language such as ADA, BASIC, C, FORTRAN, LISP, COBOL, PL/I, or assembly language. Will not count toward a computer science major or minor if credit is received for an introduction to the same language in another course.

Prerequisite(s): CS 146 with a minimum grade of C

Recent Term(s) Offered: None

CS 250 Social Implications of Computing 1.5 Hour

A survey course on the role of computing in society, designed primarily for computer science majors and minors. Discusses current topics related to the use of computing and associated trends.

Corequisite(s): CS 180

Recent Term(s) Offered: None

CS 257 Information Security II 3 Hours

An overview of information security technologies, management practices and current standards. Topics include security models and technologies, threat analysis and security implementation, risk and incident response management and security policy. Lab sessions will be held as needed. May not be counted toward a computer science major or minor.

Prerequisite(s): CS 157 with a minimum grade of C

Recent Term(s) Offered: None

CS 270 Introduction to Web Programming 3 Hours

Introductory course in web programming and web application development. Provides students with essential skills for developing basic client-side and server-side applications.

Prerequisite(s): CS 180 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CS 290 Computer Science II 4 Hours

A study of object-oriented software development and programming concepts including inheritance, polymorphism, stack, queue, list, and introduction to recursion and their applications, including user-interface design.

Prerequisite(s): CS 180 with a minimum grade of C and (MATH 117 with a minimum grade of C or MA 117C with a minimum grade of C or MATH 118 with a minimum grade of C or MATH 136 with a minimum grade of C or MATH 137 with a minimum grade of C)

Course Fee: \$45

Recent Term(s) Offered: spring 2021; fall 2021; spring 2022; fall 2022

CS 295 Introduction to Research Methodology 1 Hour

To familiarize Ogden Research Scholars and other research oriented students, with the fundamentals of choosing a research topic, performing a bibliographical search on a subject, topic, classification of instruments, data taking, data reduction, professional ethics and other research oriented topics. The common points of research methodology in the different scientific areas will be accentuated. Examples will be drawn from the various disciplines. Use of computers will be emphasized. (Course does not count towards any major or minor). Note: Ogden Research Scholar, or 3.2 grade point average at the end of freshman year, or Ogden College faculty member recommendation required.

Equivalent(s): ENGR 295, CHEM 295, GEOL 295, MATH 295, BIOL 295, PHYS 295

Recent Term(s) Offered: None

CS 299 Introduction to Research in Computer Science 1-3 Hours (repeatable max of 6 hrs)

Directed research in computer science through reading, programming and/or other problem solving activities under the guidance of a faculty member. Note: Permission of instructor may be required.

Prerequisite(s): CS 180 with a minimum grade of B and CS 221 with a minimum grade of B

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CS 301 Game Programming 3 Hours

An introductory study of game software development including game object creation, animation, audio, game logic, and game engines. Design, prototyping, and development of a playable game using modern techniques will be covered.

Prerequisite(s): CS 146 with a minimum grade of C or CS 170 with a minimum grade of C or CS 180 with a minimum grade of C or CS 239 with a minimum grade of C

Recent Term(s) Offered: spring 2021; fall 2021; spring 2022; fall 2022

CS 315 Introduction to Unix 3 Hours

Use of the UNIX operating system as a program development environment. Topics include programming tools like debuggers, make, advanced editing, shell programming, and use of the X Window system. Note: Permission of instructor may be required.

Prerequisite(s): CS 290 with a minimum grade of C

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CS 325 Computer Organization and Architecture 3 Hours

Advanced assembly programming, instruction sets, processor I/O and bus protocols, memory management, system performance, parallelism, and advanced systems.

Prerequisite(s): CS 290 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; fall 2022

CS 331 Data Structures 3 Hours

Analysis and efficient implementation of container types and applications such as priority queues, hash tables, search trees, and graphs; sorting algorithms.

Prerequisite(s): CS 290 with a minimum grade of C

Recent Term(s) Offered: fall 2021; spring 2022; fall 2022

CS 339 Discrete Structures 3 Hours

Finite and discrete structures, including basic proof techniques, algorithm analysis, graph concepts and algorithms, with their applications in computer science.

Prerequisite(s): CS 290 with a minimum grade of C and MATH 136 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CS 351 Database Management Systems I 3 Hours

An introduction to relational database management systems and their applications. Topics include relational model, relational algebra, SQL, indexes, security, integrity rules, effective database design methods, and database applications.

Prerequisite(s): CS 290 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022

CS 360 Software Engineering I 3 Hours

Modern development cycle examined via software engineering: needs assessment, requirements analysis, user interface, design, construction, test, maintenance/enhancement. Current methodologies and tools: data dictionary, data flow diagrams, structured walkthroughs, teams, program management.

Prerequisite(s): (CS 331 with a minimum grade of C and CS 351 with a minimum grade of C) or (CS 239 with a minimum grade of B or CS 180 with a minimum grade of B and EE 380 with a minimum grade of C) and COMM 145 with a minimum grade of C

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CS 369 Cooperative Education in Computer Science 1-3 Hours

(repeatable max of 3 hrs)

Practical experience in a supervised work situation with a cooperating business, industry, social or governmental agency. Note: Application for enrollment in cooperative education plan; approval of department head and co-op faculty advisor required.

Recent Term(s) Offered: summer 2022

CS 370 XML and Web Programming 3 Hours

A detailed study of tiered Web application development. Focus is on developing applications that process and transform XML data and integrate it with databases.

Prerequisite(s): CS 270 with a minimum grade of C and CS 331 with a minimum grade of C

Recent Term(s) Offered: None

CS 371 Advanced Computational Problem Solving 3 Hours

Problem-solving tools and techniques, with an emphasis on mathematical reasoning, algorithmic techniques, and computational methods. Techniques and tools are applied to (research) areas of interest to enrolled students, in the context of a project involving program design and implementation. The course is taught jointly by mathematics and computer science faculty. Note: Enrollment in the Gatton Academy of Mathematics and Science or Honors Program eligibility at WKU required.

Prerequisite(s): CS 180 with a minimum grade of C and MATH 136 (may be taken concurrently)

Equivalent(s): MATH 371

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CS 372 Mobile App Development 3 Hours

Introduces and explores mobile app programming, important environment features; and mobile app development frameworks, architecture, and design.

Prerequisite(s): CS 290 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2022

CS 381 Introduction to Computer Networks 3 Hours

An introduction to the design and analysis of computer networks and their applications, including the basics of data communication, network topologies, protocols, routing and switching, naming and addressing.

Prerequisite(s): CS 290 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CS 382 Programming Languages 3 Hours

A study of principles and common features of programming languages. Topics include syntax, semantics, binding, scope, overloading, finite automata, formal languages, etc.

Prerequisite(s): (CS 221 with a minimum grade of C or CS 290 with a minimum grade of C)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CS 389 Practicum in Computer Science 1-4 Hours (repeatable max of 4 hrs)

Intended primarily for upper level undergraduates who will undertake significant programming projects. Written reports and documentation are required. Note: Consent of computer science program coordinator may be required.

Prerequisite(s): CS 351 with a minimum grade of C

Recent Term(s) Offered: None

CS 396 Intermediate Software Project 3 Hours

The course enhances each student's abilities to craft software through the development of a significant group project which requires a variety of skills. Topics include simple data analysis and design, group problem solving, human-computer interface design, software project management, security, and quality control. The technical work will be complemented by written and oral technical presentations.

Prerequisite(s): CS 351 with a minimum grade of C and CS 331 with a minimum grade of C and COMM 145 with a minimum grade of C and (ENG 300 with a minimum grade of C or ENG 307 with a minimum grade of C)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CS 405 Numerical Analysis I 3 Hours

Roots of equations, linear operators, polynomial approximation and interpolation, numerical differentiation and integration. Computer solutions of problems will be required. Note: Consent of instructor may be required.

Prerequisite(s): MATH 137 with a minimum grade of C and (MATH 237 with a minimum grade of C or MATH 307 with a minimum grade of C or MATH 310 with a minimum grade of C) and (CS 180 with a minimum grade of C or CS 146 with a minimum grade of C)

Equivalent(s): MATH 405

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CS 406 Numerical Analysis II 3 Hours

The solution of linear system by direct and iterative methods, matrix inversion, the calculation of eigenvalues and eigenvectors or matrices. Initial and boundary value problems in ordinary differential equations. Computer solution of problems will be required.

Prerequisite(s): MATH 307 and MATH 327 and MATH 331 and (MATH 405 or CS 405)

Recent Term(s) Offered: None

CS 421 Data Structures and Algorithm Analysis 3 Hours

Important data structures, algorithms, and their applications, emphasizing algorithm analysis and general algorithmic strategies. Includes balanced search trees, hashing, priority queues, sorting, and graph algorithms.

Prerequisite(s): CS 339 with a minimum grade of C and CS 331 with a minimum grade of C and STAT 301 with a minimum grade of C

Recent Term(s) Offered: fall 2020; fall 2021; summer 2022; fall 2022

CS 425 Operating Systems I 3 Hours

Overview of the concepts/theory that underlay operating systems with emphasis on process management, memory management, scheduling, multiprocessing, etc.

Prerequisite(s): CS 325 with a minimum grade of C and CS 382 with a minimum grade of C

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CS 443 Database Management Systems II 3 Hours

Organization and management of large data files, various database paradigms, database design theory, query optimization, physical database design, database security, distributed databases. Note: Consent of instructor may be required.

Prerequisite(s): CS 331 with a minimum grade of C and CS 351 with a minimum grade of C

Recent Term(s) Offered: fall 2021; fall 2022

CS 445 Operating Systems II 3 Hours

Advanced study of modern operating system theory and practice. Topics include distributed system structures and coordination, distributed file systems, and protection and security.

Prerequisite(s): CS 425 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CS 446 Interactive Computer Graphics 3 Hours

Introduction to elementary topics in interactive computer graphics. Input devices, display devices, and techniques for 2-D and 3-D transformation will be explored as well as difficulties encountered in each of these areas. Assignments will be used to emphasize interaction, data structures, and applications to various disciplines.

Prerequisite(s): MATH 307 with a minimum grade of C and CS 331 with a minimum grade of C

Recent Term(s) Offered: None

CS 450 Computer Networks 3 Hours

An advanced study of the design and implementation of computer networks. Topics include network topologies, switching techniques, routing, end-to-end protocols, quality of service, and other advanced topics, e.g. wireless networks and multimedia networks. Note: Permission of instructor may be required.

Prerequisite(s): CS 325 with a minimum grade of C and CS 381 with a minimum grade of C

Recent Term(s) Offered: None

CS 456 Artificial Intelligence 3 Hours

Study of problems which have no plausible algorithmic solution. Their computer representations and solutions usually involve heuristics.

Prerequisite(s): CS 331 with a minimum grade of C and CS 339 with a minimum grade of C

Recent Term(s) Offered: fall 2020

CS 473 Introduction to Graph Theory 3 Hours

Fundamental concepts, key ideas and tools in graph theory, with an emphasis on proof methods, algorithms, and applications. Techniques and tools are applied to practical optimization problems and other areas of mathematics and computer science. Note: Permission of instructor may be required.

Prerequisite(s): MATH 307 with a minimum grade of C and MATH 310 with a minimum grade of C

Equivalent(s): MATH 473

Recent Term(s) Offered: None

CS 475 Selected Topics in Computer Science 1-3 Hours (repeatable max of 12 hrs)

A consideration of special topics which will acquaint the advanced student with significant problems and developments of current interest in computer science. Note: Permission of instructor is required.

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

CS 476 Research Methods and Projects in Computer Science 3 Hours
(repeatable max of 6 hrs)

The languages, programming techniques and skills acquired in the sequence of core courses in the undergraduate program are applied to the analysis and design of computer-based systems. Top-down design techniques are applied in one or more large-scale programs which require attention to the documentation, communication, and inter-facing or modules in a team project. These techniques are essential in most large-scale research applications of computers.

Prerequisite(s): CS 360 with a minimum grade of C

Recent Term(s) Offered: None

CS 496 CS Senior Project and Professional Practice 3 Hours

Student teams of qualifying seniors will design and implement complex capstone software projects. Topics include practical issues of software development, quality assurance and deployment, project management, computing ethics, and professional practice.

Prerequisite(s): CS 360 with a minimum grade of C and CS 396 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

Construction Management (CM)

CM 250 Contract Documents 3 Hours

Introduction to construction documents including drawings, specifications, contracts, requests for information, change orders, bid packages, addenda, and transmittals. In addition, techniques for reading engineering and shop drawings will be introduced.

Prerequisite(s): (MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C) or (MATH 117 or MA 117C) or MATH 118 or MATH 119 or MATH 127 or MATH 121 or MATH 136 or MATH 137 or MATH 142 or MATH 206 or MATH 237 or MATH 240 or MATH 275 or MATH 304 or MATH 305 or MATH 306

Recent Term(s) Offered: summer 2020; fall 2020; summer 2021; fall 2021

CM 261 Construction Methods and Materials 3 Hours

Survey of the basic methods and materials used for light commercial and residential construction applications. Addresses general requirements and site work, along with primary materials and techniques of regional construction practices.

Course Fee: \$10

Recent Term(s) Offered: fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

CM 262 Construction Laboratory 1 Hour

The laboratory to accompany CM 261. Hands-on experience with basic construction methods and materials used in light commercial and residential construction, including framing, concrete, masonry, and miscellaneous metals.

Prerequisite(s): MATH 117 or MATH 136 or MATH 137

Course Fee: \$30

Recent Term(s) Offered: fall 2021; spring 2022; fall 2022

CM 282 Building Structures 3 Hours

Survey of concepts, knowledge, and methods of statics and strength of materials with emphasis on factors that influence the development of architectural space and form. Includes qualitative and quantitative solution methods, focusing on application versus theoretical principles.

Prerequisite(s): MATH 117 or MA 117C or MATH 118

Course Fee: \$10

Recent Term(s) Offered: fall 2021; spring 2022; fall 2022

CM 346 Applied Soil Mechanics and Foundations 3 Hours

An applied course in soil mechanics and foundations, including soil composition and classification, soil compaction and site work, lateral earth pressures and retaining walls, and an introduction to foundation design and construction including both deep and shallow foundations. Demonstrations of commonly used laboratory tests are also included.

Note: Permission of instructor may be required.

Prerequisite(s): CM 337

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Course Fee: \$25

Recent Term(s) Offered: None

CM 363 Construction Estimating and Bidding 3 Hours

Methods and procedures for estimating and bidding construction projects, including extracting quality take-offs from drawings, classifying work in accordance with specifications, compiling and pricing estimates, preparing bids, and computer applications. Note: Permission of instructor may be required.

Prerequisite(s): (CM 250 or CE 303)

Recent Term(s) Offered: winter 2020; fall 2020; winter 2021; fall 2021; winter 2022; summer 2022; fall 2022

CM 462 Construction Scheduling 3 Hours

Various components of construction project scheduling including work breakdown structures, activity duration estimates, scheduling logic, precedence networking, Gantt charts, CPM and PERT techniques, resource scheduling, schedule updating and reduction, and computer applications. Note: Permission of instructor may be required.

Prerequisite(s): (CE 303 or CM 250)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CM 490 Senior Research for Construction Management 3 Hours

Students work on capstone research projects utilizing skills and knowledge from prior courses in the Construction Management program. Projects in this course will simulate real life projects encountered in industry.

Prerequisite(s): CM 250 with a minimum grade of C and CM 363 with a minimum grade of C and SEAS 390 with a minimum grade of C and CM 462 (may be taken concurrently)

Course Fee: \$50

Recent Term(s) Offered: spring 2022

Counseling & Student Affairs (CNS)

CNS 110 Human Relations 3 Hours

Theory, concepts and skills necessary to increase self-awareness and improve relationships in social and academic settings. Processes of managing the problems of everyday life including conflict and social demands. **Colonnade/Statewide General Education Code E-SB | SB**

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CNS 269 Special Topics in Counseling / Guidance 1-3 Hours

(repeatable max of 3 hrs)

Selected topics of significance in counseling and helping relationships. Classroom activities and assignments are variable with credit.

Recent Term(s) Offered: None

CNS 432 Helping Skills 3 Hours

Overview of helping in counseling and human relations, investigates the person and role of the helper, development of helping skills appropriate for lay helpers, and approaches to crisis intervention.

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Criminology (CRIM)

CRIM 101 Introduction to Criminal Justice 3 Hours

Survey of criminal justice systems, including police, courts and corrections. **Colonnade/Statewide General Education Code E-SB | SB**

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CRIM 222 Introduction to Crime Mapping 3 Hours

This course introduces theoretical and methodological content related to the study of spatial crime concentration in urban environments. Note: Students will need to have consistent access to a computer with a Windows operating system.

Prerequisite(s): CRIM 101 (may be taken concurrently)

Recent Term(s) Offered: spring 2020

CRIM 232 Introduction to Law Enforcement 3 Hours

An introduction to policing-including the history of law enforcement, the police and the criminal justice system, principles of law enforcement, and professional issues in law enforcement.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CRIM 233 Alternatives to Confinement 3 Hours

An examination of community treatment options in the correctional process with emphasis on contemporary probation and parole practices for adult offenders. Diversion, halfway houses, drug and alcohol treatment, restitution, house arrest, community service, and new community-based programs for women will be discussed.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

CRIM 234 Crime and Popular Culture 3 Hours

Course examines depictions of crime and justice in popular culture and its influence on public perceptions of crime and the criminal justice system.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CRIM 238 Victimology & Victim Advocacy 3 Hours

Survey of the major theories and research in victimology. Topics include violent victimization, sexual assault, child abuse, and response of criminal justice system to victims—including the unique occupational field of victim advocacy.

Recent Term(s) Offered: spring 2022; fall 2022

CRIM 330 Criminology 3 Hours

Survey of crime in the United States, focusing on theoretical explanations of crime causation, crime classification, and measurement.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CRIM 332 Juvenile Delinquency 3 Hours

An examination of the socio-legal aspects of delinquency, including a critical analysis of trends and contemporary treatment modes. Field trips required.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

CRIM 340 Criminal Courts and Sentencing 3 Hours

This course is intended to provide students with an introduction to American criminal courts and sentencing, including how criminal courts operate, who the important actors are, and how theory and empirical research inform sentencing approaches.

Prerequisite(s): CRIM 101

Recent Term(s) Offered: None

CRIM 346 Special Topics in Criminology 3 Hours (repeatable max of 6 hrs)

Survey of topics, issues, and developments in the discipline of criminology and criminal justice. Course may be repeated with a different topic.

Prerequisite(s): CRIM 101

Recent Term(s) Offered: fall 2020; spring 2021; spring 2022; fall 2022

CRIM 361 Race, Class, and Crime 3 Hours

Course examines how race, ethnicity, and social class pose differential risks for offending, victimization, and disparate processing by the criminal justice system. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): (SOCL 100 or CRIM 101) and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CRIM 380 Penology 3 Hours

Survey of theories and forms of punishment, community-based corrections and prisons. Field trips to prisons required. Note: Undergraduate course in criminology or juvenile delinquency required for this course.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CRIM 430 Comparative Systems of Juvenile Justice 3 Hours

The comparative study of juvenile justice systems, focusing on the varying local, state, regional, or societal structures which influence these systems. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

CRIM 432 Sociology of Criminal Law 3 Hours

An examination of the sociological research and theory focusing on social structural factors affecting the creation of criminal codes, the enforcement of criminal law and the imposition of penal sanctions. Note: 6 hours of CRIM are required prior to enrollment in course.

Recent Term(s) Offered: spring 2020; spring 2022; summer 2022

CRIM 434 Organized Crime 3 Hours

The study of both traditional and nontraditional organized crime from a sociological perspective. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: summer 2020; fall 2020; summer 2021; fall 2021; summer 2022; fall 2022

CRIM 437 The Death Penalty in America 3 Hours

Course examines the death penalty in relation to public policy, legal, historical, and ethical issues, as well as arguments for and against its use. Note: 6 hours of CRIM or 6 hours of SOCL courses are required prior to enrollment in course.

Recent Term(s) Offered: None

CRIM 439 Internship in Criminology 1-6 Hours (repeatable max of 6 hrs)

Internships are unique experiential learning opportunities. Once placed with a community partner, the student works toward an enhanced understanding of prior coursework through practical experience in a supervised work situation. Note: Course pass required.

Prerequisite(s): (SOCL 300 or SOCL 302)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

CRIM 440 Police Interrogations and False Confessions 3 Hours

Overview of police interrogations and factors contributing to false confessions. Topics include how false confessions can occur, the factors that contribute to them, and both the potential long term consequences of a false confession and policies to prevent or remediate them.

Prerequisite(s): CRIM 101 with a minimum grade of C

Recent Term(s) Offered: fall 2022

CRIM 446 Gender, Crime, and Justice 3 Hours

Explores how gender shapes reactions toward victims, offenders, and professionals working in the juvenile and criminal justice systems.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2020; spring 2022

CRIM 447 Life-Course Criminology 3 Hours

Survey of the theoretical and empirical research examining the onset, escalation, persistence, and desistance of crime and offending patterns over the human life-course.

Prerequisite(s): CRIM 330

Recent Term(s) Offered: None

CRIM 448 International Justice and Crime 3 Hours

Comparative survey of crime, national criminal justice systems, and international and transnational criminal justice.

Prerequisite(s): CRIM 330

Recent Term(s) Offered: spring 2021

CRIM 451 White-Collar Crime 3 Hours

An overview of the definitions, history, nature and extent of white-collar crime as well as theories and explanations that address its causes, correlates, and efforts at control.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CRIM 456 Homicide and Serial Homicide 3 Hours

Examination of empirical research pertaining to single and multiple victim homicide, including subtypes, theoretical explanations, victimology, and offender behavior.

Prerequisite(s): (CRIM 101 or CRIM 231 or SOCL 231) and CRIM 330

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

CRIM 489 Criminology Study Abroad 1-6 Hours (repeatable max of 6 hrs)

Study of comparative criminology, criminal justice systems and topics in international locations.

Prerequisite(s): permission of instructor

Recent Term(s) Offered: winter 2022; summer 2022

CRIM 495 Directed Study in Criminology 1-3 Hours (repeatable max of 3 hrs)

Individual and intensive reading and research in a specific area of criminology in close cooperation with supervising faculty. Course pass required.

Prerequisite(s): permission of instructor

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; winter 2021; fall 2022

CRIM 496 Directed Study in Criminology 1-3 Hours (repeatable max of 3 hrs)

Individual and intensive reading and research in a specific area of criminology in close cooperation with supervising faculty. Course pass required.

Prerequisite(s): permission of instructor

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2021

CRIM 499 Senior Seminar 1 Hour

This course integrates fundamental concepts, theories, research methods, and substantive subject areas learned during the study of criminology. This course serves as the capstone course for the criminology major.

Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Dance (DANC)

DANC 103 Foundations of Dance Technique 2 Hours (repeatable max of 8 hrs)

Introduction to dance course designed for students with no dance experience or very limited exposure. Focuses on the fundamentals of dance technique from a ballet perspective.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

DANC 108 Beginning Men's Ballet Technique 2 Hours (repeatable max of 8 hrs)

Beginning men's ballet technique. Repeatable up to three times for credit.

Course Fee: \$50

Recent Term(s) Offered: None

DANC 110 Dance Appreciation 3 Hours

A general study of the various forms of dance with emphasis on the contributions each has made to the performing arts and the development of our culture. **Colonnade/Statewide General Education Code E-AH | AH**
Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

DANC 111 Ballet I 2 Hours (repeatable max of 8 hrs)

Beginning level of ballet with focus on the basic principles of ballet technique. Includes introduction to the history, theory, terminology, and technique of classical ballet. Repeatable up to four times for credit.

Course Fee: \$50

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; spring 2022; fall 2022

DANC 112 Dance Flexibility / Strength Technique 1 Hour

A study of principals of movement involved in the efficient development of the dancer's body with emphasis on a careful approach that will prevent or minimize common dance injuries.

Recent Term(s) Offered: None

DANC 113 Jazz I 2 Hours (repeatable max of 8 hrs)

An introduction to the basic techniques of jazz dance designed for the student with previous dance experience; Emphasis on terminology, body awareness, mechanics, and rhythmical development. Repeatable up to four times for credit.

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

DANC 115 Tap I 2 Hours (repeatable max of 8 hrs)

An introduction to the foundational technique of tap with emphasis on terminology and mechanics, historical influences, and basic musical terms and concepts. Repeatable up to four times for credit.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

DANC 117 Modern I 2 Hours (repeatable max of 8 hrs)

An introduction to the basic techniques of modern dance with emphasis on body awareness through an integrated somatics-based approach. Repeatable up to four times for credit.

Course Fee: \$50

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

DANC 211 Ballet II 2 Hours (repeatable max of 8 hrs)

A study of intermediate level ballet. Explores the principles of ballet technique, basic dance anatomy, ballet theory, history, and artistic self-expression. Repeatable up to four times for credit.

Prerequisite(s): DANC 111

Course Fee: \$50

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

DANC 212 Partnering I 2 Hours

A study in the basic techniques of partnering with emphasis on the techniques and mechanics that apply to support, timing, and concepts of classical partnering.

Prerequisite(s): DANC 211

Recent Term(s) Offered: None

DANC 213 Jazz II 2 Hours (repeatable max of 8 hrs)

A study of beginning/intermediate level jazz dance technique with emphasis on vocabulary, effective body isolation, rhythmic accuracy, performance, and awareness of historical influences. Repeatable up to four times for credit.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

DANC 215 Tap II 2 Hours (repeatable max of 8 hrs)

A study of beginning/ intermediate level tap technique with emphasis on terminology, rhythmical development of styles, historical influences, and basic musical terms and concepts. Repeatable up to four times for credit.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

DANC 217 Modern II 2 Hours (repeatable max of 8 hrs)

A study of modern dance technique at the beginning/intermediate level with emphasis on action efforts through performance, historical components, and mind-body awareness. Repeatable up to four times for credit.

Course Fee: \$50

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

DANC 235 Dance Improvisation 2 Hours

A guided exploration of solo and group improvisation technique through structured, free, and contact improv contexts including sensory experiences and choreographic tools.

Course Fee: \$50

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

DANC 300 Dance Company 1 Hour (repeatable max of 10 hrs)

Dance performance ensemble. NOTE: Requires audition, and concurrent enrollment in two appropriate dance technique courses.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

DANC 301 Dance Pedagogy 3 Hours

Study and practice of teaching methods and skills applicable to the teaching of dance technique.

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

DANC 310 Choreography I 3 Hours

An introduction to the elements that go into the creative development of dance with emphasis on the isolation of various elements for the purpose of detailed study.

Prerequisite(s): DANC 235

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

DANC 311 Ballet III 2 Hours (repeatable max of 8 hrs)

A study of intermediate level ballet. Explores the principles of ballet technique, basic dance anatomy, ballet theory, history, and artistic self-expression. Repeatable up to four times for credit.

Course Fee: \$50

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

DANC 312 Partnering II 2 Hours

A continuation of DANC 212.

Prerequisite(s): DANC 212

Recent Term(s) Offered: None

DANC 313 Jazz III 2 Hours (repeatable max of 8 hrs)

A study of intermediate level jazz dance technique with focus on technical execution, movement style, musicality, and performance. Includes study of historical influences. Repeatable up to four times for credit.

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

DANC 314 Styles of Musical Theatre Dance I 2 Hours (repeatable max of 8 hrs)

Development of basic practical knowledge of choreographed movement in the musical theatre dance idiom; includes study of fundamentals of ballet for the actor, derivative musical/rhythmic forms, and elementary Broadway dance vocabulary and styles.

Prerequisite(s): (DANC 111 and DANC 115) and DANC 213

Recent Term(s) Offered: spring 2020

DANC 315 Tap III 2 Hours (repeatable max of 8 hrs)

A study of intermediate level tap technique designed to develop speed, control, dynamic shading, and rhythmic accuracy. Includes study of historical influences and musical and compositional structures through a variety of tap styles. Repeatable up to four times for credit.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

DANC 317 Modern III 2 Hours (repeatable max of 8 hrs)

An expansion of modern dance technique and theory at the intermediate/advanced level with emphasis on movement analysis, technical vocabulary, style, presentation, and historical explorations. Repeatable up to four times for credit.

Course Fee: \$50

Recent Term(s) Offered: fall 2020; spring 2021; spring 2022

DANC 320 Choreography Production 2 Hours

Application of compositional elements toward a completed choreography project. Includes work on production in progress.

Prerequisite(s): DANC 310

Recent Term(s) Offered: None

DANC 334 Pointe I 1 Hour (repeatable max of 8 hrs)

Preparation for and study of techniques applicable to pointe work as a specialized form of classical ballet.

Prerequisite(s): DANC 318

Course Fee: \$50

Recent Term(s) Offered: spring 2021; fall 2021; fall 2022

DANC 336 Point II 1 Hour (repeatable max of 8 hrs)

Second level in the study of technique applicable to pointe work. This course is designed to develop the accuracy and precision for dancing more complicated pointe variations.

Prerequisite(s): DANC 334

Recent Term(s) Offered: spring 2022

DANC 350 Dance History 3 Hours

A survey of the historical and aesthetic development of dance as an art form in Europe and America from ancient Greece to contemporary periods.

Recent Term(s) Offered: fall 2020; fall 2022

DANC 360 Dance in Culture: Moving History 3 Hours

Survey of world dance forms, emphasizing social, cultural and aesthetic principles defining these forms. Gender, racial, political and religious orientations shaping dance history are examined. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

DANC 400 Visual Media for Dance 3 Hours

This course will explore a variety of digital techniques for dance films, screen dance, choreographic documentation, as well as projection integration for choreographic purposes. Students will participate in discussions, observations, collaborative projects, hands on training, and dance film/media analysis. Students will explore the technical, practical, and artistic challenges involved in producing dance media work.

Prerequisite(s): DANC 420 with a minimum grade of C

Recent Term(s) Offered: spring 2021

DANC 410 Dance Practicum 3 Hours (repeatable max of 12 hrs)

An independent study project that enables the student to do research and special projects in unique areas where the usual course-work does not fulfill the need of the student.

Recent Term(s) Offered: spring 2021; spring 2022

DANC 411 Ballet IV 2 Hours (repeatable max of 8 hrs)

A study of advanced level ballet. Includes study of principles of ballet technique, with special emphasis on anatomical principles and artistic expression. Repeatable up to four times for credit.

Course Fee: \$50

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

DANC 413 Jazz IV 2 Hours (repeatable max of 8 hrs)

A study of advanced level jazz dance technique with emphasis on artistic quality, musicality, style, and performance. Includes study of historical influences. Repeatable up to four times for credit.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

DANC 414 Special Topics in Dance 2 Hours (repeatable max of 8 hrs)

A special-topics course for advanced study in a particular area of dance. May be repeated four times for credit.

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022

DANC 415 Tap IV 2 Hours (repeatable max of 8 hrs)

A study of advanced level tap technique designed to enhance ability in improvisation, style, composition, and performance. Repeatable up to four times for credit.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

DANC 417 Modern IV 2 Hours (repeatable max of 8 hrs)

Advanced study of modern technique with increased difficulty and style variety in combinations, emphasis on performance and artistry, somatic approach and understanding, and creative components. Repeatable up to four times for credit.

Course Fee: \$50

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

DANC 420 Choreography II 3 Hours (repeatable max of 9 hrs)

Examines the analytical facet of making and viewing choreography, focusing on theme, meaning and the artist's creative voice.

Prerequisite(s): DANC 310

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

DANC 445 Dance Anatomy and Kinesiology 3 Hours

An analysis of the principles of anatomy and kinesiology for dancers. Note: Restricted to students who have successfully completed a 300-level dance technique course.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

Data (DATA)

DATA 301 Big Data with its Applications 3 Hours

The course examines how an individual, company, or organization interacts with a system of big data including i) data collection (policy and mechanisms), ii) data protection, iii) data analytics, iv) inference and decision making. Case studies of big data are drawn from areas such as politics, social network, humanities, and healthcare. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2021; spring 2022; fall 2022

Dental Hygiene (DH)

DH 100 Introduction to Dental Hygiene 1 Hour

Exploratory course for pre-dental hygiene majors. This course will expose students interested in dental hygiene to the field and introduce them to the professional role of a dental hygienist. Communication and personal interaction skills will play a significant role during the course. During the course, students will be introduced to the clinic setting and will conduct a personal plaque control program.

Restriction(s): Enrollment is limited to students in Dental Hygiene-Prep (Assoc) (226P) or Dental Hygiene-Prep (Bac) (524P)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

DH 115 Independent Clinical Study 0.5-3 Hours (repeatable max of 9 hrs)

Designed to allow students to complete clinical requirements remaining from the previous semester. Note: Permission of instructor required.

Recent Term(s) Offered: summer 2021

DH 201 Dental Radiology I 2 Hours (repeatable max of 2 hrs)

The concepts of radiation physics and production are presented as a basis for understanding dental radiology and radiography. Receptor properties and processing are detailed and supplemented with clinical practice sessions. Lecture and laboratory sessions provide the student the opportunity to understand, produce, and evaluate radiographs. Radiographic techniques including panoramic radiographs and computer technology are also introduced. Infection control for the patient and the operator are emphasized along with current exposure limits and recommendations.

Restriction(s): Enrollment is limited to students in Dental Hygiene (226) or Dental Hygiene (524)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

DH 204 Periodontics 3 Hours

The role of the dental hygienist in the prevention and treatment of periodontal disease is stressed in this course. A study of the macroscopic and microscopic characteristics of the normal periodontium is presented to facilitate the recognition of changes in the gingiva and supporting tissues produced by periodontal pathology. The epidemiology, classification, etiology and prevention of periodontal disease will be covered. Clinical determinations in patient examination and the objectives and techniques in periodontal therapy will be emphasized.

Restriction(s): Enrollment is limited to students in Dental Hygiene (226) or Dental Hygiene (524)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

DH 206 Dental Pharmacology 3 Hours

A course that acquaints students with the origin of drugs and their physical and chemical properties, modes of administration and effects upon the body systems. Drug classes, actions, interactions and adverse effects are discussed. Emphasis in this course is given to drugs that the dental professional actively prescribes in the practice of dentistry. All major drug groups, management of dental and medical emergencies from a pharmacological standpoint and pain control are included.

Prerequisite(s): CHEM 109 and BIOL 131

Restriction(s): Enrollment is limited to students in Dental Hygiene (226) or Dental Hygiene (524)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

DH 210 Dental Materials and Expanded Functions in Restorative Dentistry I 2 Hours

The first of two courses designed to introduce the student to dental materials and to the basic concepts of operative dentistry and the dental specialties, including the implementation of expanded functions. The course will include a study of the characteristics, physical and chemical properties, manipulation, uses and care of dental materials used in the practice of dentistry. Topics include rubber dam placement and removal, direct and indirect restoration placement and finishing, provisional restorations, cements and other expanded functions. A proficiency level will be acquired through laboratory and clinical experiences.

Restriction(s): Enrollment is limited to students in Dental Hygiene (226) or Dental Hygiene (524)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

DH 212 Oral Anatomy 3 Hours

A study of the visible anatomy of the oral cavity and the underlying structures. The basic concepts of the anatomy of cranial and facial bones, muscles, nerve supply, blood supply and lymphatic drainage of the head and neck is covered. A study of the eruption, arrangement, function and morphological characteristics of both the permanent and deciduous dentition is presented.

Restriction(s): Enrollment is limited to students in Dental Hygiene (226) or Dental Hygiene (524)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

DH 222 Preventive Dental Hygiene Care 2 Hours

Basic concepts of health promotion and oral disease prevention. Communication and behavior modification skills are presented to facilitate the role of the dental hygienist as an educator.

Corequisite(s): DH 270

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

DH 226 Dental Materials and Expanded Functions in Restorative Dentistry II 2 Hours (repeatable max of 2 hrs)

The second of two courses covering the utilization of the dental hygienist in expanded functions in operative dentistry. The more advanced concepts and procedures in restorative dentistry implemented to reinforce and expand the previously learned skills. The course will include the study of the characteristics, physical, and chemical properties, manipulation, uses and care of dental materials used in the practice of dentistry. Topics to be covered will include dental impressions, manipulation of gypsum materials, sealant placement, oral appliances, whitening and custom tray fabrication as well as discussion of dental specialties. A proficiency level will be acquired through laboratory and clinical experiences.

Prerequisite(s): DH 210

Restriction(s): Enrollment is limited to students in Dental Hygiene (226) or Dental Hygiene (524)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

DH 230 Oral Histology and Embryology 3 Hours (repeatable max of 3 hrs)

This course covers the development and growth of the face and oral cavity, including a detailed study in the development of the teeth and their supporting structures. An abbreviated study of General Histology and Embryology and a microscopic study of the primary human tissues precedes the study of Oral Histology, including a detailed study of the tissues of the teeth and surrounding structures.

Prerequisite(s): DH 212

Restriction(s): Enrollment is limited to students in Dental Hygiene (226) or Dental Hygiene (524)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

DH 270 Pre-Clinical Dental Hygiene 3 Hours

This course will introduce students to the field of dentistry and prepare them for the clinical aspects of dental hygiene practice. This course is designed to develop knowledge of theoretical principles associated with oral prophylaxis and patient education, to develop proficiency in the performance of specific oral prophylaxis procedures, and to further develop awareness of ethical and professional responsibilities in preventive service. Ethics are emphasized in relation to patients, peers and the profession.

Restriction(s): Enrollment is limited to students in Dental Hygiene (226) or Dental Hygiene (524)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

DH 271 Clinical Dental Hygiene I 4 Hours

This course is designed to further develop clinical skills and techniques. The student is introduced to instrument sharpening, maintenance of dental appliances, and pedodontic and adolescent patient management. Reviews of selected topics from pre-clinical content are also included with major emphasis on patient education, patient evaluation, treatment planning and maintenance. The clinical sessions will apply techniques learned in pre-clinical courses and dental radiology and dental materials courses.

Prerequisite(s): DH 270 and DH 212 and DH 201

Restriction(s): Enrollment is limited to students in Dental Hygiene (226) or Dental Hygiene (524)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

DH 302 Dental Radiology II 2 Hours

This second course in radiology is designed to discuss advanced techniques in radiography including extraoral techniques and continue to develop technical skills that result in radiographs of interpretive quality. Emphasis is placed on identification of normal anatomy and abnormal findings. Radiographic manifestations of dental diseases are taught.

Prerequisite(s): DH 201

Restriction(s): Enrollment is limited to students in Dental Hygiene (226) or Dental Hygiene (524)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

DH 303 Community Dental Health 4 Hours

Community dental health is that portion of the dental hygiene curriculum that prepares students to promote oral health and prevent oral disease in a community. The approach taken within the course provides students with the knowledge and skills necessary to meet specific oral health needs of community groups as distinct from the traditional clinical approach that is designed to meet the needs of individual patients. Instructional methods for individual and group presentations are developed and implemented through extramural experiences.

Prerequisite(s): DH 271

Restriction(s): Enrollment is limited to students in Dental Hygiene (226) or Dental Hygiene (524)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

DH 304 Advanced Periodontology 4 Hours (repeatable max of 4 hrs)

This course is designed to provide the dental hygiene student or dental hygienist with advanced knowledge in periodontics. It will provide students with the conceptual framework and clinical skills to treat periodontal infections. Note: Open only to matriculated dental hygiene students or registered dental hygienists who have completed all attempted dental hygiene program courses with a grade of "C" or better.

Restriction(s): Enrollment is limited to students in Dental Hygiene (226) or Dental Hygiene (524)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; spring 2022

DH 307 General and Oral Pathology 3 Hours

This course will be devoted to oral and general pathological conditions of the head and neck. This course encompasses an abbreviated coverage of general pathology to prepare the student for clinical diagnostic procedures in oral pathology, oral medicine, and radiology. The biology of the basic pathologic processes and how these processes produce diseases will be presented. Diseases that require special attention or require alterations in normal dental treatment planning will be emphasized.

Restriction(s): Enrollment is limited to students in Dental Hygiene (226) or Dental Hygiene (524)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

DH 309 Pain Control in Dentistry 4 Hours

This course is designed to prepare the dental hygiene student to administer local anesthesia and nitrous oxide/oxygen sedation at a clinical level of competency. Students will study and perform various local anesthetic injection techniques and will administer nitrous oxide and oxygen to achieve conscious sedation. Students will also study the pharmacology of nitrous oxide and local anesthetic agents.

Prerequisite(s): DH 206 and DH 271

Restriction(s): Enrollment is limited to students in Dental Hygiene (226), Dental Hygiene-Prep (Assoc) (226P) or Dental Hygiene (524)

Recent Term(s) Offered: winter 2021; summer 2021; summer 2022

DH 323 Research Methods 3 Hours

This course involves study of the research process and its application to dental hygiene education and practice. Emphasis is placed on critical analysis of selected research in dental hygiene and dentistry, including theory of research design, bibliographical and data gathering technique, and interpretation of results. Note: Permission of instructor.

Prerequisite(s): DH 303

Restriction(s): Enrollment is limited to students in Dental Hygiene (226) or Dental Hygiene (524)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; spring 2022

DH 324 Practice Management and Ethics 3 Hours

A course that emphasizes present day concerns of the oral health provider and career management for dental hygienists. Foundations and application of ethical and legal concepts, cultural competence and dental office management are presented in the course.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

DH 330 Clinical Teaching I 4 Hours

Integration of previous knowledge and concepts in the supervision of first year dental hygiene students in the pre-clinical and laboratory setting.

Note: Current Kentucky Dental Hygiene License required.

Prerequisite(s): DH 371 and FACS 381

Recent Term(s) Offered: None

DH 340 Clinical Teaching II 4 Hours

Integration of previous knowledge and concepts in the supervision of first year dental hygiene students in the laboratory and clinical setting. Note: Current Kentucky Dental Hygiene License required.

Prerequisite(s): DH 330

Corequisite(s): DH 350

Recent Term(s) Offered: None

DH 350 Clinical Teaching III 4 Hours

Clinical teaching experience in classroom areas as selected by the student under the direction of a supervising professor. The student develops behavioral course objectives, test and examination items, classroom teaching areas. The student may select teaching assignments in one of the developed externship student teaching programs. Conferences will be held in conjunction with the course. Note: Current Kentucky Dental Hygiene License required.

Prerequisite(s): DH 330

Corequisite(s): DH 340

Recent Term(s) Offered: None

DH 360 International Health and Human Services Learning Program 3 Hours (repeatable max of 6 hrs)

The purpose of this study abroad/service-learning course is to enhance student learning through the integration of academic and co-curricular experiences. This will be accomplished with active service to community partners, while encouraging civic engagement, community awareness, interdisciplinary teamwork and personal leadership development. Note: Permission of instructor.

Prerequisite(s): DH 270 and DH 210

Restriction(s): Enrollment is limited to students in Dental Hygiene (226) or Dental Hygiene (524)

Recent Term(s) Offered: None

DH 370 Clinical Dental Hygiene II 5 Hours

This course consists of fourteen (14) hours of clinical experience, one hour lecture, and one hour seminar each week. The course concentrates on the dental patients' conditions beyond the routine prophylaxis procedures. The student is introduced to dietary counseling and supplemental instrumentation skills. Course emphasis is also placed on patients with special needs; including the diabetic patient, the cardiovascular disease patient, the older adult patient, and the patient with mental and/or physical handicaps. This course also contains case study preparatory work, dietary counseling reviews, and poster presentation preparation.

Prerequisite(s): DH 271

Restriction(s): Enrollment is limited to students in Dental Hygiene (226) or Dental Hygiene (524)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

DH 371 Clinical Dental Hygiene III 5 Hours (repeatable max of 5 hrs)

Prerequisite(s): DH 370. Students are required to perform a specified number of oral prophylaxis, under supervision, on pediatric and adult patients, to administer a given number of topical fluoride treatments, take, process and review dental radiographs and overall accomplish every clinical procedure that a licensed dental hygienist is expected to provide.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

Diversity & Community Studies (DCS)

DCS 300 Public Problem Solving 3 Hours

Investigation of historical perspectives and theoretical dimensions of public problem solving with attention to the development of collective power, capacities, and responsibilities. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2021

DCS 360 Place, Community, and Resilience 3 Hours

Exploration of the multidisciplinary interconnections of place, identity, and sense of place within organizational and community structures, with attention to the ways systems bounce back under unexpected social and environmental crises. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: None

DCS 363 Narrative, Discourse, and Prison Systems 3 Hours

An examination of the ways that prison systems shape self and community through narrative and social theory. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2020

DCS 399 Special Topics in Diversity & Community Studies 1-3 Hours (repeatable max of 9 hrs)

A detailed study of a specialized topic, for students in the Diversity & Community Studies major.

Recent Term(s) Offered: None

DCS 400 Capstone in Diversity & Community Studies 3 Hours

A senior capstone experience synthesizing learning and assessing the field of study for diversity & community studies majors. Includes an exploration of career and graduate study opportunities as well as intensive research and analysis within a single area of diversity & community studies.

Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in Diversity Community Studies (631)

Recent Term(s) Offered: summer 2020

DCS 495 Directed Study in Diversity & Community Studies 1-3 Hours
(repeatable max of 6 hrs)

Supervised individual study and/or field-based experience in a topic of particular relevance to the major in Diversity & Community Studies. Note: Permission of instructor may be required.

Recent Term(s) Offered: spring 2020

Economics (So Campus) (ECO)

ECO 150C Introduction to Economics 3 Hours

A general introduction to economic concepts, ideas, institutions and methods of analysis with emphasis on the description of economic processes and the functioning of institutions in a market economy. This course carries no credit toward any major or minor offered in the Gordon Ford College of Business. Note: This course cannot be taken for credit after completing ECON 202 or 203. **Colonnade/Statewide General Education Code E-SB | SB**

Recent Term(s) Offered: spring 2020

ECO 202C Principles of Economics (Micro) 3 Hours

An introduction to basic descriptive, analytical and policy problems at the microeconomic level. The economic problems resulting from the disparity between human wants and the resources required to satisfy those wants will be studied with emphasis placed on the derivation and behavior of supply and demand functions and the role of prices in the allocation of scarce resources. **Colonnade/Statewide General Education Code E-SB | SB**

Recent Term(s) Offered: None

ECO 203C Principles of Economics (Macro) 3 Hours

An introduction to basic macroeconomics dealing with descriptive, analytical and policy problems involved in the determination of aggregate income, employment and the price level. Areas of emphasis include money and banking, national income accounting and income-expenditure models. **Colonnade/Statewide General Education Code E-SB | SB**

Recent Term(s) Offered: None

ECO 206C Statistics 3 Hours

Prerequisite(s): ECON 202 or ECON 203 and MATH 116. An introduction to basic probability and statistics for business and economics. Topics include the collection and presentation of data, descriptive statistics, an introduction to probability and probability distributions, statistical inference, and simple linear regression.

Recent Term(s) Offered: None

Economics (Univ) (ECON)

ECON 150 Introduction to Economics 3 Hours

A general introduction to economic concepts, ideas, institutions and methods of analysis with emphasis on the description of economic processes and the functioning of institutions in a market economy. This course carries no credit toward any major or minor offered in the Gordon Ford College of Business. Note: This course cannot be taken for credit after completing ECON 202 or 203. **Colonnade/Statewide General Education Code E-SB | SB**

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

ECON 202 Principles of Economics (Micro) 3 Hours

An introduction to basic descriptive, analytical and policy problems at the microeconomic level. The economic problems resulting from the disparity between human wants and the resources required to satisfy those wants will be studied with emphasis placed on the derivation and behavior of supply and demand functions and the role of prices in the allocation of scarce resources. **Colonnade/Statewide General Education Code E-SB | SB**

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

ECON 203 Principles of Economics (Macro) 3 Hours

An introduction to basic macroeconomics dealing with descriptive, analytical and policy problems involved in the determination of aggregate income, employment and the price level. Areas of emphasis include money and banking, national income accounting and income-expenditure models. **Colonnade/Statewide General Education Code E-SB | SB**

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

ECON 206 Statistics 3 Hours

An introduction to basic probability and statistics for business and economics. Topics include the collection and presentation of data, descriptive statistics, an introduction to probability and probability distributions, statistical inference, and simple linear regression.

Prerequisite(s): (ECON 202 or ECON 203) and (MATH 123 or ACT Math with a score of 25 or SAT Mathematics Score with a score of 610)

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

ECON 300 Money and Banking 3 Hours

An introduction to the functioning of depository institutions and the theory of money. Emphasis is placed on an analysis of the role of money in a global market economy, and the influence exerted by financial institutions and the Federal Reserve System.

Prerequisite(s): ECON 203

Recent Term(s) Offered: None

ECON 302 Microeconomic Theory 3 Hours

An intermediate theory course analyzing price determination, output distribution, and resource allocation in a market economy. Topics included are consumer behavior, production theory, market structures and their respective efficiency criteria.

Prerequisite(s): ECON 202 with a minimum grade of C and ECON 206 with a minimum grade of C

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ECON 303 Macroeconomic Theory 3 Hours

An intermediate theory course analyzing Neo-Classical, Keynesian and Post Keynesian theories of macroeconomic equilibria. The policy implications of these models with respect to income, output, employment and the price level will be emphasized.

Prerequisite(s): ECON 203 with a minimum grade of C and ECON 206 with a minimum grade of C

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ECON 305 Labor Economics 3 Hours

Study of modern labor theory and labor market behavior; public policy and implications of policy with topics such as migration, health, wage determination, education, unions, and discrimination.

Prerequisite(s): ECON 202 or ECON 203

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; spring 2022

ECON 306 Statistical Analysis 3 Hours

An introduction to, and, foundations for using techniques involved in estimating and testing relationships between variables. The course includes advanced topics in hypothesis testing, analysis of variance, multiple regression and correlation analysis and experimental design. Note: ECON 306 and ECON 307 may not both be taken for credit.

Prerequisite(s): ECON 206

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

ECON 307 Financial Data Modeling 3 Hours

Tools for modeling financial data for use in decision making. Using spreadsheet software for exploratory data analysis, financial analysis, multiple regression methods, introduction to forecasting time series. Note: ECON 306 and ECON 307 may not both be taken for credit.

Prerequisite(s): ECON 206

Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

ECON 323 Sports Economics 3 Hours

Applies basic economic principles to the analysis of professional and amateur sports. Topics covered include fan demand, public finance, team output decisions, league/conference organization, and government and sports. The course is designed to cater to Economics, Sport Management, and Business Administration.

Prerequisite(s): ECON 202

Recent Term(s) Offered: spring 2020; spring 2021; fall 2022

ECON 375 Moral Issues of Capitalism 3 Hours

Survey course designed to study the moral issues and consequences of current and changing government policies regarding the operation of markets. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): ECON 150 or ECON 202 or ECON 203 and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; winter 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

ECON 380 International Economics 3 Hours

Introduction to the theory of international trade and monetary relations with emphasis on the determinants of the direction, volume, terms and gains from international trade.

Prerequisite(s): ECON 202 or ECON 203

Recent Term(s) Offered: spring 2020

ECON 385 Economic Development 3 Hours

This is a survey course designed to appeal to students interested in interdisciplinary study. Market and non-market based strategies for economic development are studied with an emphasis on case studies of the experiences of countries in Europe, Asia, Africa, and the Americas.

Attention is given to the roles of domestic and international institutions, economic and political freedoms, culture, legal systems, tradition, and global issues of sustainable development. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): ECON 202 or ECON 203 and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2021; fall 2021; fall 2022

ECON 390 Economics, Law, and Public Choice 3 Hours

Presents basic economic issues and analysis related to topics such as property rights, contracts, torts, crime, voter/interest group activity, legislative output, and bureaucratic output. Note: Consent of instructor required.

Prerequisite(s): ECON 202

Recent Term(s) Offered: spring 2020; spring 2022

ECON 399 Career Readiness in Economics 1 Hour

Introduction to preparation for a career in Economics, including exposure to careers in economics; development of professional writing skills, professional resumes and cover letters; oral communications; interviewing skills; ethical standards; and professional networking. This course is limited to juniors and seniors in the Economics program.

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Enrollment is limited to students in Economics (638), Business Economics (724) or Mathematical Economics (731)

Recent Term(s) Offered: fall 2022

ECON 400 Issues in Capital Market Economics 3 Hours

Exposure to current economic theory and evidence related to capital markets with emphasis on public policy, the interplay with the macroeconomy, stock price variability, internationalization, and other related topics.

Prerequisite(s): ECON 203

Recent Term(s) Offered: spring 2022

ECON 410 Seminar in Economics 1-3 Hours (repeatable max of 18 hrs)

Special topics in economics of current interest. Class format varies with instructor.

Recent Term(s) Offered: fall 2021

ECON 414 Managerial Economics 3 Hours

The application of economic principles and tools of analysis to business management decision making in areas of demand, pricing, cost, production and investment. Problems in business decision making are treated in terms of short-run adjustment as well as long-run expansion.

Prerequisite(s): ECON 202 and ECON 206

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

ECON 420 Public Sector Economics 3 Hours

A study of the economics of public policies. The course will use economic tools to analyze the effects of policies, understand their complexities, and predict unintended consequences. Topics include public education, welfare reform, pollution, healthcare, and tax policy.

Prerequisite(s): ECON 202

Recent Term(s) Offered: spring 2022; summer 2022

ECON 430 Environmental and Resource Economics 3 Hours

A study of environmental issues and natural resource problems and alternative solutions to them. Topics include measurements of environmental benefits, property rights and externalities, environmental quality, pollution control and solid waste management, exhaustible and renewable resources, optimal environmental policy and regulation.

Colonnade/Statewide General Education Code K-LG

Prerequisite(s): ECON 150 or ECON 202 or ECON 203 and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: summer 2020; fall 2020; spring 2021; fall 2021; fall 2022

ECON 434 The Economics of Poverty and Discrimination 3 Hours

A study of the economic nature, origins, and public policy aimed at addressing poverty and discrimination in the economy. Topics include social security, food stamps, equal employment opportunity legislation, and other public policies designed to reduce poverty and discrimination.

Prerequisite(s): ECON 150 or ECON 202 or ECON 203

Restriction(s): Students with a semester level of Freshman may **not** enroll.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ECON 440 American Industry: Structure, Performance and Policy 3 Hours

A course in applied price theory in which the structure, behavior and performance of American industry is evaluated in the light of public and private social goals. Public policy toward the promotion of competition and the control of monopoly will be examined.

Prerequisite(s): ECON 202 and ECON 203 and ECON 206

Recent Term(s) Offered: summer 2022

ECON 445 Economics of Healthcare 3 Hours

Health economics studies the unique role that healthcare systems play in the broader area of microeconomics.

Prerequisite(s): ECON 202

Recent Term(s) Offered: spring 2020

ECON 451 Games and Strategy 3 Hours

An introduction to game theory analysis. The theoretical tools to analyze incentives and strategic behavior in individual and group decision making will develop. Emphasis will be placed on real-world applications and include, but is not limited to, bargaining under perfect and imperfect information, Nash equilibrium, pricing under oligopoly and auction theory.

Prerequisite(s): ECON 202 and ECON 206

Recent Term(s) Offered: None

ECON 464 Introduction to Mathematical Economics 3 Hours

The application of mathematics to economic analysis, covering algebraic and functional relationships, differential and integral calculus, differential and difference equations, matrix algebra, linear programming and game theory.

Prerequisite(s): ECON 302 and ECON 303

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ECON 465 Regression and Econometric Analysis 3 Hours

Presents the use of statistical methods in measuring and testing economic relationships. Emphasizes the use of ordinary least squares in estimating single equation models. Topics included are dummy variables, lagged variables and such problems as autocorrelation, heteroscedasticity, multicollinearity and identification.

Prerequisite(s): ECON 306 or ECON 307

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ECON 467 American Economic History 3 Hours

A study of America's economic history from Jamestown to the 21st Century. Topics include the economics of slavery, the Civil War, the Robber Barons, the Great Depression, and the growth of government intervention.

Prerequisite(s): ECON 202 and ECON 203

Recent Term(s) Offered: fall 2020

ECON 480 Economic Forecasting 3 Hours

A survey of forecasting methods, their characteristics, appropriate applications, and evaluation.

Prerequisite(s): ECON 202 and ECON 203 and ECON 465

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ECON 490 Practicum in Economics 1-3 Hours (repeatable max of 3 hrs)

Internships, independent studies, and special projects of interest to students and faculty in the economics discipline. These may include individual research projects approved by the department head and supervised by a member of the economics faculty, meaningful internships in profit or not-for-profit organizations, or other special projects approved by the economics department head, and the economics faculty. Note: 2.5 cumulative GPA, permission of the economic department head and the instructor and completion of at least 12 hours in economics required.

Recent Term(s) Offered: fall 2020; spring 2021; fall 2022

ECON 491 History of Economic Thought 3 Hours

The origin and development of economic thought with emphasis on the contribution of political economy to the behavioral sciences.

Prerequisite(s): ECON 202 and ECON 203

Recent Term(s) Offered: None

ECON 496 International Monetary Economics 3 Hours

Deals in a systematic fashion with the monetary aspects of international trade and finance. Topics covered include various models of the current account such as elasticities, and absorption. Models of the capital account include the monetary and asset approaches to the balance of payments and rational expectations models of exchange rate overshooting. Problems of international capital movements and policies to maintain internal and external balance are addressed.

Prerequisite(s): ECON 202 and ECON 203

Recent Term(s) Offered: None

ECON 497 Senior Seminar in Mathematical Economics 1 Hour

This course is designed to integrate the ideas and techniques students have encountered in their work in mathematics and economics. Students will study research articles and/or undertake independent investigations in mathematical economics.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in Mathematical Economics (731)

Equivalent(s): MATH 497

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ECON 499 Senior Assessment 1 Hour

A capstone course that provides an opportunity to demonstrate knowledge of economics and discuss educational and career opportunities beyond the baccalaureate degree.

Prerequisite(s): (ECON 302 or ECON 303) and (ECON 465 or ECON 480)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Education (EDU)

EDU 175 University Experience 3 Hours

Transition to university experience. Topics include study skills, critical thinking skills, library education, exploration of majors and careers, degree programs, campus resources, and personal development. Special attention is given to educational requirements, careers, and resources in the field of education. Field trips to local public schools and/or appropriate settings away from campus are required. Students are responsible for their own transportation to designated or assigned sites.

Restriction(s): Students with a semester level of Junior, Sophomore or Senior may **not** enroll.

Recent Term(s) Offered: None

EDU 200 Becoming an Effective Global Citizen 3 Hours

This course will help students learn highly effective skills across personal, social, and cultural perspectives. Students will examine how their own choices affect others. Note: 21 hours prior to enrollment required.

Recent Term(s) Offered: None

EDU 250 Discover Teaching: Introduction to Teacher Education 3 Hours

Introduction to teaching including knowledge of teaching, ethics, professionalism, dispositions, diversity, and curriculum. Clinical field experiences are required. Students must arrange transportation and meet P-12 eligibility requirements to fulfill required outside field experiences.

Equivalent(s): AGED 250

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

EDU 260 Classroom Assessment 3 Hours

An introduction to the integrated use of assessment in the classroom context for K-12 student learning, teacher planning, and school improvement.

Prerequisite(s): (EDU 250 or permission of instructor)

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

EDU 276 Displaced Persons & Civic Engagement 3 Hours

Analysis of individual and host country crises and concerns surrounding displaced persons (DPs). Examination of the integration process and exploration of careers associated with assistance agencies. Includes a service learning project with a displaced person(s) in the local community. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Equivalent(s): SUS 276

Recent Term(s) Offered: spring 2020; summer 2020; spring 2021; summer 2021

EDU 350 Student Diversity and Differentiation 3 Hours

This course provides students with education and training to address diverse student needs in the P-12 setting. Clinical field experience in public schools and/or other appropriate settings away from campus are required. Students are responsible for their own transportation to designated or assigned sites.

Prerequisite(s): (EDU 250 or permission of instructor)

Recent Term(s) Offered: spring 2021; fall 2021; spring 2022; fall 2022

EDU 360 Behavior and Classroom Management in Education 3 Hours

This course provides an introduction to the concepts, theories, and principles of student behavior and classroom management for professionals in P-12 settings.

Prerequisite(s): (EDU 250 and PSY 310) or permission of instructor

Recent Term(s) Offered: spring 2021; fall 2021; spring 2022; fall 2022

EDU 385 Climate, Resources, & Society 3 Hours

Discussion of global climate change from a societal and resources perspective; particularly how humans affect global climate change through population size, natural resource use, policy implementation, personal behavior, and societal norms, and vice versa. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status and (GEOG 103 or GEOG 110 or GEOG 280)

Equivalent(s): GEOG 385

Recent Term(s) Offered: None

EDU 400 Investigations in Education 1-3 Hours (repeatable max of 6 hrs)

Individual investigations of methods and materials, curriculum problems, or other topics related to professional education.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

EDU 403 Collaborative Planning and Curriculum Design 3 Hours

Prerequisite(s): EDU 250 and individual program certification area requirements. Emphasis designing an integrated curriculum approach as well as facilitating collaboration and planning for diverse populations in diverse setting. Field experience in public schools and/or other appropriate settings away from campus are required. Students are responsible for their own transportation to designated or assigned sites.

Prerequisite(s): EDU 250

Recent Term(s) Offered: None

EDU 489 Student Teaching Seminar 2,3 Hours (repeatable max of 3 hrs)

Analyzes the connection between teaching theory and actual practice. Portfolio refinement with the New Teacher Performance Standards will be emphasized. Field experiences in public schools and/or other appropriate settings away from campus are required. Pre-Service Teachers are responsible for their own transportation to designated or assigned sites. Note: ELED 490, MGE 490, SEC 490, or IECE 490 are corequisites. *Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022*

EDU 490 International Student Teaching 1 Hour

This course is part of the professional semester and is an elective taken during the senior year after successfully completing 12 weeks of stateside student teaching. Students will teach classes as assigned, serve as teacher assistants, observe, and teach English as appropriate in various international classrooms for (4) weeks. Note: All professional education courses must be completed including the 3 credit hour Student Teaching Seminar and 10 credit hours of student teaching; A minimum overall GPA of 3.0; A completed and submitted Study Abroad application with a letter of interest, two letters of recommendation from WKU faculty members to the Director of Teacher Services; and A completed successful interview with the faculty selection team is required. *Recent Term(s) Offered: spring 2020*

EDU 491 Practicum for Teacher Candidates 1 Hour

Development of knowledge and skills required of teacher candidates. Grading is pass/fail. Identified students must take EDU 491 in the term (Winter or May) immediately following the student teaching semester and EDU 489.

Course Fee: \$100

Recent Term(s) Offered: None

Electrical Engineering (EE)

EE 101 Electrical Engineering Design I 1 Hour

The introduction of the design process to electrical engineering students. Includes discussion of problem-solving techniques and teaming skills, an introduction to circuit fabrication techniques, and oral and written communication skills. Multiple hands-on projects.

Prerequisite(s): (MATH 117 (may be taken concurrently) or MA 117C (may be taken concurrently) or MATH 136 (may be taken concurrently) or MATH 137 (may be taken concurrently) or MATH 237 (may be taken concurrently) or MATH 331 (may be taken concurrently))

Course Fee: \$50

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

EE 130 Our Electrical World 3 Hours

An overview of the generation and utilization of electricity in modern society, with emphasis on infrastructure, critical technologies, alternative energy sources, and sustainability.

Recent Term(s) Offered: None

EE 180 Digital Circuits 3 Hours

An introductory course in digital circuit fundamentals. Topics include number systems, Boolean algebra, binary codes, logic gates, flip-flops, counters, and registers.

Prerequisite(s): (MATH 117 (may be taken concurrently) or MA 117C (may be taken concurrently) or MATH 136 (may be taken concurrently) or MATH 137 (may be taken concurrently) or MATH 331 (may be taken concurrently) or MATH 237 (may be taken concurrently))

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

EE 200 Electrical Engineering Design II 2 Hours

A continuation of the engineering design process including an introduction to circuit and math simulation software tools, printed circuit board software and fabrication techniques. Ethics and professionalism will be addressed.

Prerequisite(s): EE 210 (may be taken concurrently)

Course Fee: \$50

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

EE 210 Circuits & Networks I 3.5 Hours

An introductory course in circuit analysis including Kirchhoff's Laws, independent and dependent sources, power and energy, lumped linear fixed networks, power factor, phasors, and three phase networks. Laboratory included.

Prerequisite(s): MATH 137 with a minimum grade of C and PHYS 265 (may be taken concurrently)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

EE 211 Circuits & Networks II 3.5 Hours

A second course in circuit analysis with an emphasis on frequency response techniques. Topics include impedance, transformed networks, Laplace transforms, resonance, two-port parameters, mutual inductance, forced and natural responses, transformers, transient response, and sinusoidal steady-state response. Laboratory included.

Prerequisite(s): EE 210 with a minimum grade of C and MATH 331 (may be taken concurrently)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

EE 300 Electrical Engineering Design III 1 Hour

Application of numerical methods, statistics, economics, and production techniques to the engineering design process. Individualized writing and oral presentation tasks and ethical issues. Design project required. Circuit schematic software. Note: Completion of Electrical Engineering pre-major or consent of instructor required.

Prerequisite(s): (EE 101 and EE 180 and EE 200 and CS 239 or CS 180)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Enrollment is limited to students in Electrical Engineering (537) or Electrical Engineering-Prep (537P)

Course Fee: \$25

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

EE 345 Electronics 4 Hours

A first course in electronics. Topics include semiconductor concepts, operational amplifiers, diodes, transistors, biasing, large and small signal analysis. Laboratory included.

Prerequisite(s): EE 211

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

EE 350 Fundamentals of Electrical Engineering 4 Hours

An introductory course in electrical engineering. Topics include circuit analysis, digital electronics, and energy conversion devices such as magnetic circuits and rotating machinery. Not acceptable as a credit for EE majors.

Prerequisite(s): PHYS 265 and MATH 331 (may be taken concurrently)

Recent Term(s) Offered: None

EE 380 Microprocessors 4 Hours

An introductory course in microprocessors. Topics include assembly language, stack operation, vectored interrupts, memory organization, input/output peripheral devices, and hardware design of a computer system. Laboratory included.

Prerequisite(s): (EE 180 with a minimum grade of C and EE 210 and CS 239 with a minimum grade of C or CS 180 with a minimum grade of C)
Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

EE 405 EE Senior Research Seminar 1 Hour

Contemporary topics in electrical and computer engineering, literature surveys, scientific reporting, peer reviews and intellectual property. Note: Permission of instructor may be required.

Prerequisite(s): EE 400 (may be taken concurrently)
Recent Term(s) Offered: None

EE 410 Computer Design 3 Hours

Topics include a review of logic design and elementary computer organization. Asynchronous and synchronous logic design using VHDL and programmable logic. Design of the central processing unit, memory, control, and input-output portions of a computer. The VHDL hardware design language will be used.

Prerequisite(s): EE 380
Corequisite(s): EE 411
Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

EE 411 Computer Design Lab 1 Hour

This course is a laboratory which illustrates analysis and design principles of EE 410. It includes experiments in the design of the central processing unit, memory, control, and input-output portions of a computer using VHDL and PC based for software simulation.

Prerequisite(s): EE 380
Corequisite(s): EE 410
Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

EE 420 Signals and Linear Systems 3 Hours

Topics include analysis of continuous-time and discrete-time, discrete-parameter, time-invariant, linear systems based upon the convolution integral, Fourier series and transform, Laplace transform, Z-transform, and state-space methods. Topics include impulse response, transfer function, energy spectra, filtering, sampling, and applications to networks, communications, and controls.

Prerequisite(s): EE 211 with a minimum grade of C and MATH 331 and (MATH 307 (may be taken concurrently) or MATH 350 (may be taken concurrently))
Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

EE 431 Introduction to Power Systems 3.5 Hours

Introduction to the principles and concepts of electrical power and analysis of major components of an electric power system. Topics include basic electromechanics, transformers, ac and dc machines, transmission lines, and system analysis. Laboratory included.

Prerequisite(s): EE 211 and (EE 473 or PHYS 440)
Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

EE 432 Power Systems II 3 Hours

Analysis of power systems in the steady state. Includes the development of models and analysis procedures from major power system components and for power networks.

Prerequisite(s): EE 431
Recent Term(s) Offered: None

EE 436 Electric Machines and Drives 3 Hours

Introduction to principles and contemporary applications of electric machines and drive systems as they pertain to electric vehicles, wind turbines, residential appliances, etc. Topics include the principles of electromechanical energy conversion, switch mode power converters, DC and AC machines, designing feedback controller for motor drives, and speed or torque control of both DC and AC motor drives.

Prerequisite(s): EE 473 and EE 345
Recent Term(s) Offered: spring 2022

EE 443 Microfabrication and MEMS 3 Hours

Microfabrication techniques including cleanroom technology, lithography, thermal oxidation, diffusion, ion implantation, film deposition, etching, micromachining, wafer-level bonding/polishing, and packaging yield. Microtechnology measurement and analysis techniques. Process simulation. CAD device-layout. MEMS (Microelectromechanical systems) and microelectric technology and applications. Material issues for MEMS/microelectronics.

Prerequisite(s): EE 420 and (CHEM 116 or CHEM 120)
Recent Term(s) Offered: fall 2020

EE 445 Advanced Electronics 3 Hours

Advanced topics in electronics including: power semiconductor devices; converter topologies and their applications; switch-mode dc and uninterruptible power supplies; motor drives; EMI concerns and remedies for interfacing to electric utilities.

Prerequisite(s): EE 345
Recent Term(s) Offered: spring 2020; spring 2021

EE 450 Digital Signal Processing 3 Hours

Topics include discrete time signals and systems, discrete Fourier transforms, FFT algorithms, flow graph and the matrix representation of digital filters, FIR and IIR filter design techniques, quantization effects, spectral estimation, current applications of digital signal processing.

Prerequisite(s): EE 420
Corequisite(s): EE 451
Recent Term(s) Offered: spring 2021; spring 2022

EE 451 Digital Signal Processing Lab 1 Hour

This course focuses on the implementation of common digital signal processing function using state-of-the-art DSP devices and software. The fundamentals of discrete-time signal processing and digital signal processor architectures and applications are introduced. Emphasis is on laboratory experience involving generation of deterministic and random signals; digital filter design; quantization effects; FFT computation; linear system analysis; speech processing.

Prerequisite(s): EE 420
Corequisite(s): EE 450
Recent Term(s) Offered: spring 2021; spring 2022

EE 460 Continuous Control Systems 3.5 Hours

A study of continuous control systems that will address the following topics: system modeling, feedback systems, systems stability, root locus plots, Bode plot, state space analysis, and design of controllers. Laboratory included.

Prerequisite(s): (EE 420 with a minimum grade of C or ME 310 with a minimum grade of C) and (MATH 307 or MATH 350 or MATH 370)
Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

EE 461 Discrete Control Systems 3 Hours

An applied state of discrete control systems. Topics include: modeling of discrete-time systems, applications of z-transforms, difference equations, stability analysis, root-locus analysis, and design of discrete controllers.

Prerequisite(s): (EE 420 with a minimum grade of C or ME 310 with a minimum grade of C) and (MATH 307 or MATH 350 or MATH 370)

Recent Term(s) Offered: spring 2022

EE 462 Special Topics in Control Systems 3 Hours

A presentation of current topics of control systems theory that builds on the contents of EE 460.

Prerequisite(s): EE 460

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

EE 470 Communications and Modulation 3 Hours

Topics include modulations such as AM, FM, PAM, PPM, PDM, single sideband, vestigial sideband. Coherent and non-coherent detection, heterodyne action, performance and distortion, circuits for modulation and demodulation.

Prerequisite(s): EE 420 and STAT 301

Corequisite(s): EE 475

Recent Term(s) Offered: spring 2020

EE 473 Electromagnetics I 3 Hours

Topics include electrostatic and magnetostatic fields; Faraday's laws, Maxwell's equations, electromagnetic properties of matter, uniform plane waves, and transmission lines.

Prerequisite(s): MATH 331 and MATH 237 with a minimum grade of C and PHYS 265 with a minimum grade of C

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

EE 475 Communication Systems Lab 1 Hour

Topics include laboratory exercises involving the design and analysis of electronic communication systems for the transmission of analog and digital data at radio frequencies.

Prerequisite(s): EE 420

Corequisite(s): EE 470

Recent Term(s) Offered: None

EE 477 Numerical Techniques in Electromagnetics 3 Hours

Topics include finite difference and finite element solutions to problems in electromagnetics; absorbing boundaries for wave propagation; convergence and stability; validation with empirical and analytical approaches.

Prerequisite(s): (EE 473 or PHYS 440)

Recent Term(s) Offered: spring 2020

EE 479 Optoelectronics 3 Hours

Topics include basic wave optics, Snell's Law, optical storage, LED's, micro-opto-electromechanical systems, optical sensors, fiber optics, solar cells, and fundamentals of lasers.

Prerequisite(s): EE 345 and (EE 473 or PHYS 440)

Recent Term(s) Offered: spring 2020; summer 2022

EE 480 Embedded Systems 3 Hours

A continuation of the study of digital systems and microprocessors focusing on the principles and applications of embedded systems.

Prerequisite(s): EE 380

Recent Term(s) Offered: summer 2020; winter 2021

EE 490 Introduction to Robotics 3 Hours

History and application of robots. Robot configurations including mobile robots. Spatial descriptions and transformations of objects in three-dimensional space. Forward and inverse manipulator kinematics. Task and trajectory planning.

Prerequisite(s): EE 420

Recent Term(s) Offered: None

Elementary Education (ELED)

ELED 345 Foundations of Elementary Teaching 3 Hours

Integrates planning and evaluative techniques with appropriate learning theories. Learning activities for the full range of ability/development levels of students are prescribed. Note: A passing score on specified standardized instrument; overall GPA of 2.75 or higher, admission to Teacher Education pending is required.

Prerequisite(s): EDU 250 with a minimum grade of C and PSY 310 with a minimum grade of C and SPED 330 (may be taken concurrently)

Recent Term(s) Offered: spring 2020; fall 2020; winter 2021; spring 2021; fall 2021; spring 2022; fall 2022

ELED 355 Student Diversity in the Classroom 3 Hours

Focus will be on the range of student diversity and identification of characteristics of children in an integrated elementary classroom. Field experiences in public schools and/or other appropriate settings away from campus are required. Students are responsible for their own transportation to designated or assigned sites. Note: Admission to Teacher Education is required.

Prerequisite(s): EDU 250 with a minimum grade of C and PSY 310 with a minimum grade of C and SPED 330 with a minimum grade of C and ELED 345 with a minimum grade of C

Corequisite(s): ELED 407, ELED 365

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022

ELED 365 Teaching Methods for Elementary Teachers 3 Hours

The second course in a two course series dedicated to teaching strategies. Focuses on strategies unique to teaching in an integrated elementary classroom. Field experiences in public schools and/or other appropriate settings away from campus are required. Students are responsible for their own transportation to designated or assigned sites. Note: Admission into Teacher Education is required.

Prerequisite(s): ELED 345 with a minimum grade of C and SPED 330 with a minimum grade of C

Corequisite(s): ELED 407, ELED 355

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ELED 405 Teaching Mathematics in the Elementary School 3 Hours

Materials and methods of instruction in mathematics for grades P-5 with emphasis upon creative utilization of available materials and techniques. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites. Note: Completion of General Education Category - D1 Science courses, and admitted to Teacher Education is required.

Prerequisite(s): MATH 308 with a minimum grade of C and MATH 206 with a minimum grade of C and (ELED 365 with a minimum grade of C or SPED 340 with a minimum grade of C) and ELED 407 with a minimum grade of C and LTCY 420 with a minimum grade of C

Corequisite(s): ELED 465, ELED 406

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ELED 406 Teaching Science in the Elementary School 3 Hours

A study of the objectives and place of science in grades P-5. The course includes planning units of work, organizing and using materials and resources, and developing ability in the techniques of elementary school science teaching. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites. Notes: Completion of General Education Category-D1 Science courses; and admitted to Teacher Education is required.

Prerequisite(s): MATH 308 with a minimum grade of C and ELED 355 with a minimum grade of C and ELED 365 with a minimum grade of C and ELED 407 with a minimum grade of C

Corequisite(s): ELED 405, ELED 465

Course Fee: \$20

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ELED 407 Materials and Methods in Social Studies 3 Hours

A study of the objectives, materials, organization, and instructional techniques in the social studies appropriate to grades P-5. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites. Note: Admission to Teacher Education and completion of General Education Category "C" Social and Behavioral Science courses is required.

Prerequisite(s): ELED 345 with a minimum grade of C and SPED 330 with a minimum grade of C

Corequisite(s): ELED 355, ELED 365

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ELED 465 Data-Driven Decision-Making in Elementary Education 3 Hours

Part of the professional block semester, which is the culminating experience for elementary teacher candidates prior to the student teaching semester. Projects related to the corequisite courses will be completed. Field experience in public school and/or other appropriate settings away from campus will be required. Students are responsible for their own transportation to designated or assigned sites. Note: Completion of General Education Category-D1 science courses; and admitted to Teacher Education is required.

Prerequisite(s): MATH 308 with a minimum grade of C and ELED 355 with a minimum grade of C and ELED 365 with a minimum grade of C and ELED 407 with a minimum grade of C

Corequisite(s): ELED 406, ELED 405

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ELED 490 Student Teaching 5-10 Hours (repeatable max of 10 hrs)

Supervised assignment in approved school setting. Must complete a minimum of 70 days in one or two placements depending on certification requirements. Students follow the academic calendar of the school district in which they are placed and are responsible for providing their own transportation to assigned site(s). Note: Admission to Teacher Education and admission to student teaching is required.

Prerequisite(s): MATH 205 with a minimum grade of C and MATH 206 with a minimum grade of C and MATH 308 with a minimum grade of C

Corequisite(s): EDU 489

Course Fee: \$25

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ELED 491 Lecture in Lieu of Student Teaching 5 Hours

Seminar in current issues in teaching for certified teachers seeking additional endorsement. Director of Student Teaching approval required.

Recent Term(s) Offered: None

Engineering (ENGR)

ENGR 175 University Experience-- Engineering 1 Hour

For beginning college freshmen or transfer students with fewer than 24 semester hours of credit. Transition to university experience for engineers students. Topics include study skills, critical thinking, information literacy, exploration of engineering majors and careers, campus resources, effective teamwork skills, and basic computer tools regularly used by engineering students. Engineering design processes and practices are introduced.

Prerequisite(s): MATH 116E (may be taken concurrently) (MATH 116 (may be taken concurrently) or MATH 117 (may be taken concurrently) or MATH 118 (may be taken concurrently) or MATH 136 (may be taken concurrently) or MATH 137 (may be taken concurrently) or MATH 237 (may be taken concurrently) or MATH 116E (may be taken concurrently))

Restriction(s): Students with a semester level of Junior, Sophomore or Senior may **not** enroll.

Recent Term(s) Offered: fall 2020

ENGR 295 Introduction to Research Methodology 1 Hour

To familiarize Ogden Research Scholars and other research oriented students with the fundamentals of choosing a research topic, performing a bibliographical search on a subject, topic, classification of instruments, data taking, data reduction, professional ethics and other research oriented topics. The common points of research methodology in the different scientific areas will be accentuated. Examples will be drawn from the various disciplines. Use of computers will be emphasized.

(Course does not count toward any major or minor.) Note: Ogden Research Scholar, or 3.2 grade point average at the end of the freshman year, or Ogden College faculty member recommendation is required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Enrollment is limited to students in Civil Engineering (534), Civil Engineering-Prep (534P), Electrical Engineering (537), Electrical Engineering-Prep (537P), Mechanical Engineering (543) or Mechanical Engineering-Prep (543P)

Equivalent(s): PHYS 295, CS 295, GEOL 295, CHEM 295, MATH 295, BIOL 295

Recent Term(s) Offered: None

ENGR 360 System Dynamics and Modeling 3 Hours

This course presents an introduction to mathematical modeling of dynamic systems. It takes a unified approach to linear system modeling with lumped parameters for various physical systems including electrical, electro-mechanical, and mechanical systems in both time and frequency domains. An introduction to system identification will be also presented.

Prerequisite(s): EE 210 and MATH 331

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ENGR 400 Principles of Systems Engineering 3 Hours

An overview of the field and relevant principles of systems engineering. Topics will prepare students to apply systems engineering theory to the solution of complex system-based engineering problems.

Prerequisite(s): (EE 210 or EM 221 or EM 222) and (STAT 301 or CE 305)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Enrollment is limited to students in Civil Engineering (534), Civil Engineering-Prep (534P), Electrical Engineering (537), Electrical Engineering-Prep (537P), Mechanical Engineering (543) or Mechanical Engineering-Prep (543P)

Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; spring 2021; fall 2021; fall 2022

ENGR 490 Senior Project 1 2 Hours

Seminar course focused on professional topics including project management and the proposal for a multidisciplinary engineering capstone project. Note: Permission of instructor may be required.

Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in Civil Engineering (534), Electrical Engineering (537) or Mechanical Engineering (543)

Course Fee: \$120

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ENGR 491 Senior Project II 3 Hours

Work in multidisciplinary student teams to execute project designed during ENGR 490. Must be taken in the semester immediately following ENGR 490.

Prerequisite(s): ENGR 490

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

Engineering Mechanics (EM)

EM 222 Statics 3 Hours

A study of forces on bodies at rest. Vector algebra: study of force systems, equivalent force systems, distributed forces, internal forces, principles of equilibrium, application to trusses, frames and beams, friction. This course is delivered by Western Kentucky University.

Prerequisite(s): MATH 137 (may be taken concurrently) and PHYS 255 (may be taken concurrently)

Equivalent(s): EM 221

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; fall 2021; winter 2022; spring 2022; fall 2022

EM 303 Mechanics of Deformable Solids 3 Hours

Study of fundamental principles and physical laws governing the response of mechanical components to external forces. Concepts of stress, equivalent systems, rigid body equilibrium, stress-strain and deformation, torsion, internal forces and bending moments, shear and bending moment diagrams, flexural loading, Mohr's circle and pressure vessels are presented. This course is delivered by Western Kentucky University.

Prerequisite(s): (MATH 137 with a minimum grade of C or MATH 227 with a minimum grade of C) and EM 222 with a minimum grade of C and PHYS 255 with a minimum grade of C

Equivalent(s): EM 302

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

EM 313 Dynamics 3 Hours

Study of the motion of bodies. Kinematics: Cartesian and polar coordinate systems; normal and tangential components; translating and rotating reference frames. Kinetics of particles and rigid bodies: laws of motion; work and energy; impulse and momentum.

Prerequisite(s): EM 222 with a minimum grade of C and MATH 331 (may be taken concurrently) and PHYS 255 with a minimum grade of C

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

English (ENG)

ENG 100 Introduction to College Writing 3 Hours

Emphasizes writing for a variety of rhetorical situations with attention to voice, audience, and purpose. Provides practice in development, organization, revision, and editing. Introduces research skills. Note: Students meeting the CPE's College Readiness Indicator in English (as outlined in the undergraduate catalog) or passing the Accuplacer Next generation Writing test with a score of 247 or higher may enroll in ENG 100. Students who do not meet the Readiness Indicator must enroll in a specially designated "E" section of ENG 100 and enroll in ENG 105 as a corequisite. Students who have unsuccessfully attempted ENG 100 (earned grade of W, F, or FN) may not retake ENG 100 as a web section except under extraordinary circumstances, and then only with the written permission of the Director of Composition. **Colonnade/Statewide General Education Code F-W1 | WC**

Prerequisite(s): ENG 100 No Supl Course Needed or HS GPA Transcript with a score of 3.5

Equivalent(s): ENG 100E, ENG 101

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

ENG 100E Introduction to College Writing 3 Hours

Emphasizes writing for a variety of rhetorical situations with attention to voice, audience, and purpose. Provides practice in development, organization, revision, and editing. Introduces research skills. Note: Students meeting the CPE's College Readiness Indicator in English (as outlined in the undergraduate catalog) or passing the Accuplacer Next generation Writing test with a score of 247 or higher may enroll in ENG 100. Students who do not meet the Readiness Indicator must enroll in a specially designated "E" section of ENG 100 and enroll in ENG 105 as a corequisite. Students who have unsuccessfully attempted ENG 100 (earned grade of W, F, or FN) may not retake ENG 100 as a web section except under extraordinary circumstances, and then only with the written permission of the Director of Composition. **Colonnade/Statewide General Education Code F-W1 | WC**

Prerequisite(s): ENG 100 Enhanced Extr Instruc or HS GPA Transcript with a score of 2.0

Corequisite(s): ENG 105

Equivalent(s): ENG 101, ENG 100

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ENG 104 Introduction to Linguistics 3 Hours

A general introduction to language study with emphasis on units of sound, units of meaning, sentence structure, dialects, and other cultural aspects of language. Focus is on the English language.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; fall 2022

ENG 105 Supplemental Writing Lab 2 Hours

A corequisite support course for designated students in ENG 100E. A passing grade in this course is required in order to receive a passing grade in the corequisite ENG 100E.

Prerequisite(s): ENG 100 Enhanced Extr Instruc

Corequisite(s): ENG 100E

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ENG 200 Introduction to Literature 3 Hours

Introductory study of fiction, poetry, and drama demonstrating techniques by which literary artists reflect human experience. Substantial student writing about literature will be required. **Colonnade/Statewide General Education Code F-AH | AH**

Prerequisite(s): (ENG 100 or ENGL 100C or ENG 101 or ACT English with a score of 29 or SAT Verbal / Critical Reading with a score of 650 or ENG 100E or ENG FW1-L)

Equivalent(s): ENG 283, ENG 183

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

ENG 202 Honors Forum 1 Hour (repeatable max of 4 hrs)

An informal introduction to English honors. Topics vary by term.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ENG 203 Creative Writing 3 Hours

An introduction to the writing of various genres including poetry, fiction, creative nonfiction, and/or drama.

Prerequisite(s): Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ENG 204 English Language 3 Hours

Study of the structure of the English words and sentence patterns including review of the historical conditions leading to the development of the Modern English grammar.

Prerequisite(s): (ENG 100 or ENGL 100C or ENG 101 or ACT English with a score of 29 or SAT Verbal / Critical Reading with a score of 620 or ENG 100E or ENG FW1-L)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ENG 212 Introduction to Digital Texts and Media 3 Hours

Students will study the rhetorical, critical, and ethical dimensions of digital composing, producing genres such as web-based videos, podcasts, blogs, websites, and video essays.

Prerequisite(s): (ENG 100 or ENG 100E or ENG FW1-L)

Equivalent(s): COMM 212

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022; fall 2022

ENG 290 English Topics Abroad 1-3 Hours (repeatable max of 9 hrs)

This course focuses on special topics in English that are appropriate to study abroad sites, such as comparative literature or travel writing. Only taught in study abroad programs. Will not count for the English major.

Note: Permission of instructor required.

Recent Term(s) Offered: winter 2020; summer 2022

ENG 295 Popular Culture and Gender: Signs & Narratives 3 Hours

Through the study of signs and narrative structures, this course investigates contemporary Western popular culture's concepts of gender.

Colonnade/Statewide General Education Code K-SC

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2021; spring 2022

ENG 299 Introduction to English Studies 3 Hours

Introduction to the discipline of English studies for literature and writing majors, including exploration of issues and conflicts within the discipline, strategies for reading and researching literary texts, overview of requirements and opportunities within the major, and introduction to career and graduate study options.

Prerequisite(s): Foundations Literary Studies or ENG 200 or RELS 200 or MLNG 200

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ENG 300 Writing in the Disciplines 3 Hours

Interdisciplinary writing course to be taken in the junior year. Students will read and write about challenging texts from a number of fields. Each student will produce a substantial research project appropriate to his or her chosen field. **Colonnade/Statewide General Education Code F-W2 | WC**

Prerequisite(s): (ENG 200 or MLNG 200 or RELS 200 or ENGL 200C or ENG FAH-L or ENG B1-L or Foundations Literary Studies)

Equivalent(s): ENG 102

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

ENG 301 Argument and Analysis in Written Discourse 3 Hours

A survey of major theories of argument and analysis with special attention to writing effective argumentative and analytical essays.

Prerequisite(s): (ENG 300 or ENG A1-L or ENG FW2-L or COMM 200 or GEOG 300 or PSYS 300)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

ENG 302 Language and Communication 3 Hours

A course in English grammar and usage designed primarily for elementary education majors. Emphasis is given to sentence structure. Attention is also given to the nature of language, historical backgrounds, dialects, and standards of correctness.

Prerequisite(s): (ENG 100 or ENGL 100C or ENG 101 or ACT English with a score of 29 or SAT Verbal / Critical Reading with a score of 650 or ENG 100E or ENG FW1-L)

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

ENG 303 Intermediate Fiction Writing 3 Hours

A concentrated study of the techniques of writing fiction, emphasizing contemporary theory and practice.

Prerequisite(s): (ENG 203 or ENGL 203C)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ENG 305 Intermediate Poetry Writing 3 Hours

An intensive course in the writing of poetry. Some attention to the practice and prevalent theories of contemporary poets. Notes: Permission of instructor may be required.

Prerequisite(s): (ENG 203 or ENGL 203C)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

ENG 306 Business Writing 3 Hours

Designed to meet the needs of students in business fields, this course teaches the preparation of written reports, case studies, and other forms of professional writing.

Prerequisite(s): (ENG 100 or ENGL 100C or ENG 101 or ENG 100E or ACT English with a score of 29 or SAT Verbal / Critical Reading with a score of 650 or ENG FW1-L)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

ENG 307 Technical Writing 3 Hours

Designed to meet the needs of students in engineering and other technical fields, this course teaches the preparation of written and oral reports. Emphasizes formal and informal reports, but also includes various kinds of business letters, memoranda, and other forms necessary in the students' future professional role.

Prerequisite(s): (ENG 100 or ENGL 100C or ENG 101 or ACT English with a score of 29 or SAT Verbal / Critical Reading with a score of 650 or ENG 100E or ENG FW1-L)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ENG 309 Documentary Film 3 Hours

Introductory study of documentary film and theory with special attention to the genre's complex reception as "non-fiction" in diverse social and cultural contexts. Among the forms to be studied are the essay-film, cinema verite, reportage, and mockumentary. Will include a film viewing lab.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or RELS 200 or MLNG 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: None

ENG 311 Creative Nonfiction Writing 3 Hours

An intensive study of the writing of creative nonfiction (literary nonfiction prose), with emphasis on contemporary theory and practice. Note: Permission of instructor.

Prerequisite(s): ENG 203

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ENG 312 Reading as a Writer 3 Hours

A close reading of literary works and craft essays as well as analysis and emulation of forms and techniques of published literary writers for creative writing students.

Prerequisite(s): ENG 203

Restriction(s): Enrollment is limited to students in Creative Writing (ENCW)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ENG 320 American Studies I 3 Hours

Designed to examine the diverse origins and the decisive elements in the development of American culture and to provide a wide cultural appreciation and a greater understanding of the mainstream of American thought. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L) and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2020; fall 2021

ENG 321 American Studies II 3 Hours

Designed to examine further the diverse origins and the decisive elements in the development of American culture and to provide a wide cultural appreciation and a greater understanding of the mainstream of American thought.

Prerequisite(s): (ENG 200 or ENG FAH-L or KGET F-AH or MLNG 200 or RELS 200 or ENG B1-L)

Recent Term(s) Offered: None

ENG 329 Special Topics in Creative Writing 3 Hours (repeatable max of 9 hrs)

A semester-long, detailed study of a specified topic in creative writing.

Prerequisite(s): ENG 203

Recent Term(s) Offered: None

ENG 333 Medieval Literature 3 Hours

Study of the literature of the Western Middle Ages from c. 500-1500. Non-English texts will be read in translation.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or RELS 200 or MLNG 200)

Recent Term(s) Offered: fall 2020; fall 2022

ENG 339 Special Topics in Literature 3 Hours (repeatable max of 9 hrs)

A semester-long, detailed study of a specified topic in literature.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or RELS 200 or MLNG 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: fall 2022

ENG 340 Speculative Fiction 3 Hours

A survey of the development of the genre, including science fiction, and its relationship to main literary currents.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: spring 2020

ENG 349 Special Topics in Professional Writing 3 Hours (repeatable max of 9 hrs)

A semester-long detailed study of a specified topic in professional writing.

Prerequisite(s): (ENG 306 or ENG 307)

Recent Term(s) Offered: winter 2020; fall 2020; fall 2021; summer 2022

ENG 354 History of Drama to 1640 3 Hours

A comprehensive course which traces the major developments in drama from the ancient Greeks to 1640. Emphasis on representative dramatists and plays.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Equivalent(s): THEA 354

Recent Term(s) Offered: None

ENG 355 History of Drama Since 1640 3 Hours

A continuation of ENG 354.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Equivalent(s): THEA 355

Recent Term(s) Offered: None

ENG 358 Drama Writing 3 Hours

A concentrated study of the techniques of drama writing emphasizing contemporary theory and practice. Note: Permission of instructor.

Prerequisite(s): (ENG 203 or ENGL 203C)

Equivalent(s): THEA 358

Recent Term(s) Offered: spring 2021; spring 2022

ENG 359 Topics in Scriptwriting 3 Hours (repeatable max of 6 hrs)

Focuses on topics in scriptwriting including, but not limited to, writing for television (narrative), writing the genre feature, and writing for the stage. Emphasizes the practices of contemporary scriptwriters in various genres.

Prerequisite(s): (FILM 250 or ENG 203)

Equivalent(s): FILM 359

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ENG 360 Queer Literature 3 Hours

Study of queer texts with emphasis on critical theory and the concepts of sex and gender in global, cultural, and historical contexts.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: spring 2020; spring 2022

ENG 361 Queer Cinema 3 Hours

Study of queer movies, both from the United States and abroad, from the earliest days of cinema to contemporary film, in a wide variety of genres, with interdisciplinary emphasis, and within historical, cultural, and global contexts.

Prerequisite(s): Foundations Literary Studies or ENG 200 or ENG FAH-L or FILM 201 or MLNG 200 or RELS 200 or ENG B1-L

Recent Term(s) Offered: None

ENG 365 Film Adaptation 3 Hours (repeatable max of 3 hrs)

Examines the adaptation of literary works into film not only as an intertextual product but as a process of creative transformation, with emphasis on film analysis and some attention to adaptation theory.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ENG 366 History of Narrative Film 3 Hours (repeatable max of 3 hrs)

Examines the history and development of narrative film from the silent era to the present. Emphasis on specific narrative conventions of Hollywood cinema.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: spring 2020; fall 2021

ENG 369 Internship I 3 Hours

Appropriate supervised work with a cooperating organization. Note: Admission to departmental internship program required.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ENG 370 U.S. Ethnic Literature 3 Hours

Study of literature by Latina/o, Native American, Asian American and/or U.S. writers from additional racial and ethnic groups.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: spring 2021

ENG 381 Survey of British Literature I 3 Hours

A study of selected works by representative authors reflecting the chronological development of British literature to 1798.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENGL 200C or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ENG 382 Survey of British Literature II 3 Hours

A study of selected works by representative authors reflecting the chronological development of British literature from 1789 to the present.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

ENG 385 Studies in World Literature 3 Hours

Study of global literatures with an emphasis on non-U.S. and non-British texts.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or RELS 200 or MLNG 200)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ENG 387 Studies in Autobiography 3 Hours

An examination of the literary components and cultural context of autobiographical works, with particular emphasis on under-represented groups, gender, race, and class.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: None

ENG 388 Postcolonial Studies 3 Hours

A survey of postcolonial literature and theory, including works from Australia, India, Africa, the Caribbean, and the Middle East. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L) and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2020; fall 2021

ENG 389 Internship II 3 Hours

Appropriate supervised work with a cooperating organization. Note: Admission to departmental cooperative program required.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022

ENG 391 Survey of American Literature I 3 Hours

A study of selected texts reflecting the chronological development of American literature to 1865.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

ENG 392 Survey of American Literature II 3 Hours

A study of selected texts reflecting the chronological development of American literature from 1865 to the present.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ENG 393 African American Literature 3 Hours

Study of literature by African American writers.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or RELS 200 or MLNG 200 or ENG FAH-L or ENG B1-L)

Equivalent(s): AFAM 393

Recent Term(s) Offered: spring 2020; fall 2021; spring 2022

ENG 394 Kentucky Literature 3 Hours

Selected texts by writers from and about the state of Kentucky.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: fall 2021

ENG 395 Contemporary U.S. Literature 3 Hours

Examine trends in recent literature across multiple genres.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: fall 2020; fall 2021

ENG 396 Mythology 3 Hours

Greek, Roman and Norse myths and their influence on art and literature.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: winter 2020; spring 2021; winter 2022; summer 2022

ENG 398 Hemingway and Faulkner 3 Hours

A critical study of the major literary works of Ernest Hemingway and William Faulkner. For honors-eligible students only. **Colonnade/Statewide General Education Code AH**

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L) and Honors Course Eligibility

Recent Term(s) Offered: None

ENG 399 Topics in English 3 Hours (repeatable max of 6 hrs)

A semester-long, detailed study of a specified topic in language, literature, or composition.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: winter 2020; spring 2021; summer 2022

ENG 401 Advanced Composition 3 Hours

Theory and practice in reading and writing various genres of non-fiction, including researched essays, cultural critique, exposition, narrative, and argument. Special attention to style, voice, arrangement and advanced writing techniques.

Prerequisite(s): (ENG 300 or ENG A1-L or COMM 200 or GEOG 300 or PSYS 300 or ENG FW2-L)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; spring 2022

ENG 402 Editing and Publishing 3 Hours

Editing collections of student works in several types, including experience in computer text editing, lectures and by visiting publishers and editors of books, journals, and newspapers. Note: One additional upper-level professional writing course required.

Prerequisite(s): (ENG 306 or ENG 307)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022; fall 2022

ENG 403 Writing Memoir and Autobiography 3 Hours

A course in the techniques of writing autobiography; readings will be chosen primarily from contemporary American examples of the genre.

Prerequisite(s): ENG 203 and (ENG 300 or COMM 200 or GEOG 300 or PSYS 300 or ENG FW2-L)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ENG 404 History of the English Language 3 Hours

A study of the origins and development of the language from Indo-European to modern English, with emphasis on developments in the sound system, vocabulary and grammar. Attention is also given to historical and cultural forces which have affected the language.

Colonnade/Statewide General Education Code K-SY

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L) and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; spring 2022

ENG 407 Linguistic Analysis 3 Hours

The study of current linguistic theory, which includes the important levels of language as a means of communication, as well as some of the various theories and applications of linguistic theory to other fields of study.

Prerequisite(s): (ENG 104 with a minimum grade of C or ENG 302 with a minimum grade of C or ENG 304 with a minimum grade of C or ENG 204 with a minimum grade of C)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ENG 408 Psycholinguistics and Sociolinguistics 3 Hours

The study of developmental psycholinguistics (language acquisition), experimental psycholinguistics (speech production/comprehension), and sociolinguistics, (how language varieties are used by families, school systems and multicultural nations).

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2022

ENG 409 Practicum in One-to-One Writing Instruction 1 Hour

Participants will study the theory and practice of writing conferences and tutorials. Course will prepare participants to work individually with students in tutorial settings.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ENG 410 Composition Theory and Practice in Writing Instruction 3 Hours

A study of contemporary theories of composition with an emphasis on their application to writing and the teaching of writing.

Prerequisite(s): (ENG 300 or COMM 200 or GEOG 300 or PSYS 300 or ENG FW2-L) and (ENG 204 or ENG 302)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ENG 411 Directed Writing 3 Hours (repeatable max of 6 hrs)

A tutorial for students to work under the supervision of a writing instructor. Students choose the form of writing they wish to pursue. Note: Permission of instructor may be required.

Prerequisite(s): Foundations Literary Studies

Recent Term(s) Offered: fall 2020

ENG 412 Theories of Rhetoric and Persuasive Writing 3 Hours

A survey of the history of rhetorical theory from the classical to the contemporary period with emphasis on how theories reflect and guide persuasion in public and written discourse.

Prerequisite(s): (ENG 300 or GEOG 300 or COMM 200 or PSYS 300 or ENG FW2-L)

Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ENG 413 Creative Writing Capstone 3 Hours

A capstone course in the creative writing concentration; provides a workshop setting for students with substantial creative writing projects.

Prerequisite(s): (ENG 303 or ENG 305 or ENG 311)

Restriction(s): Enrollment limited to students with a semester level of Senior.

Enrollment is limited to students in Creative Writing (348) or Creative Writing (ENCW)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ENG 414 Professional Writing Capstone 3 Hours

A capstone course for students in the English major with a professional writing concentration; provides a workshop setting for students with substantial writing projects and culminates in production of a portfolio of professional writing. Note: Must have two professional writing courses before taking this course.

Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in Professional Writing (437) or Professional Writing (ENPW)

Recent Term(s) Offered: fall 2020; fall 2021

ENG 415 Writing and Technology 3 Hours

Study of issues surrounding interrelations of technology and writing; effects of technologies (e.g. printing press, computers) on writing processes and on types of writing; institutional changes wrought by computers.

Prerequisite(s): (ENG 300 or ENG A1-L or ENG FW2-L or COMM 200 or GEOG 300 or PSYS 300)

Recent Term(s) Offered: fall 2021

ENG 416 Literature/EST Capstone 3 Hours

Capstone experience for senior literature concentration and English for Secondary teaching majors. Will synthesize experience in discipline, conduct advanced study of literary topic(s), and explore professional opportunities.

Prerequisite(s): ENG 299

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

ENG 430 19th Century American Literature 3 Hours

Seminar in 19th Century American Literature; course topics will vary.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: None

ENG 455 American Drama 3 Hours

This course deals with the development of American drama from Colonial productions to present-day plays.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Equivalent(s): THEA 455

Recent Term(s) Offered: None

ENG 457 British Literature Since 1900 3 Hours

A study of British fiction, poetry, and/or drama produced between 1900 and the present. Topic will vary.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: None

ENG 459 Modern Drama 3 Hours

A selected study of dramatic literature since Ibsen with emphasis on evolving developments and trends in world theatre.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Equivalent(s): THEA 459

Recent Term(s) Offered: None

ENG 460 Literary Theory and Criticism 3 Hours

A study of theories and methods of literary and cultural analysis selected from ancient times to the present. Focus includes the written practice of criticism in response to a wide variety of texts. Note: One upper-level literature course.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: spring 2020

ENG 465 Film Genres 3 Hours (repeatable max of 6 hrs)

Study of the historical development, thematic and stylistic conventions, and cultural significance of film genre(s). Surveys representative films from one or two genres, e.g. film noir and the Western; romantic comedy and family melodrama; horror and science fiction; the musical; the war film; the epic. May be taken twice as long as genres differ. Note: Permission of instructor.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ENG 466 Film Theory 3 Hours (repeatable max of 3 hrs)

Study of major theories of narrative film and related media; specific theories examined will include formalist, auteurist, historical, structuralist, psychoanalytical, and political. Will include viewing of selected films. Note: Permission of instructor.

Prerequisite(s): ENG 365 and FILM 201 and ENG 366

Recent Term(s) Offered: spring 2022

ENG 467 Visiting Writer Summer Workshop 3 Hours (repeatable max of 6 hrs)

Advanced Creative Writing Workshop. Offered for four weeks each summer by a visiting writer of national reputation. Alternating genres. May be repeated once if different genre. Note: At least one creative writing class beyond ENG 203, Creative Writing, and instructor permission required.

Recent Term(s) Offered: None

ENG 468 Early Modern English Literature 3 Hours

A study of selected literary works from sixteenth- and seventeenth-century England, with attention to the historical, theoretical, and aesthetic conditions that shaped the imaginative development of English literature.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: spring 2020; spring 2022

ENG 469 2nd Language Acquisition Theory 3 Hours

An introduction to theories, methods, and materials for teaching English as a second or foreign language.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ENG 470 Methods and Materials for Teaching English as a Second Language 3 Hours

Selecting and evaluating commercially-prepared materials and developing teacher-made materials for Teaching English as a Second Language (TESL). Note: One linguistic course required.

Prerequisite(s): (ENG 469 or ENG 469G)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ENG 471 Teaching English as a Second Language Practicum 4 Hours

Supervised observation and instruction in public schools or other appropriate settings, culminating in the production of a portfolio. Students are responsible for arranging their own transportation to designated or assigned sites. The class consists of 30 clock teaching hours and 15 classroom hours. Note: Permission of instructor.

Prerequisite(s): ENG 407 and ENG 408 and ENG 469 and ENG 470

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ENG 474 Advanced Poetry Writing 3 Hours

An advanced, intensive course in the writing of poetry, emphasizing the practice and prevalent theories of contemporary poets.

Prerequisite(s): ENG 305

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ENG 475 Advanced Fiction Workshop 3 Hours

An advanced and intensive course exploring the techniques of writing fiction, emphasizing contemporary theory and practice.

Prerequisite(s): ENG 303

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ENG 476 Critical Approaches to Literature in the Secondary Curriculum 3 Hours

For English for Secondary Teachers majors, this course surveys texts frequently presented in secondary classes-including widely anthologized short stories, drama, and poetry; classic novels; and contemporary young adult literature-and examines considerations of text selection and presentation. Note: At least two 300- or 400-level literature courses required.

Restriction(s): Enrollment is limited to students in English Allied Language Arts (547) or English for Secondary Teachers (561)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

ENG 481 Chaucer 3 Hours

Representative works of Chaucer, with emphasis on the Canterbury Tales; some attention to the medieval background.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: None

ENG 482 Shakespeare 3 Hours

A study of selected works by Shakespeare, situating them in their cultural moment and considering what has made them so durable, adaptable, deeply familiar, and popular in successive generations.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: spring 2021

ENG 484 British Romanticism 3 Hours

British literature and culture from the late 18th and early 19th centuries.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200)

Recent Term(s) Offered: None

ENG 486 The Eighteenth Century 3 Hours

The concentrated study of eighteenth century literature, forms, and developments.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: None

ENG 487 Dante's Divine Comedy and Its Influences 3 Hours

An intensive study of "The Divine Comedy", in English translation, along with Dante's major sources and analogues.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: fall 2021

ENG 488 Victorian Literature and Culture 3 Hours

Studies in Victorian poets and novelists, emphasizing the rise and fall of the British Empire and the birth of mass media.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: spring 2020; fall 2022

ENG 489 The English Novel 3 Hours

A comprehensive exploration of English-language novels, from the Mother Country to the Colonies. Emphasis on genre development as a reflection of contemporary history.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: spring 2021

ENG 490 The American Novel 3 Hours

Study of the American novel as a genre. Topic will vary by semester.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: spring 2021

ENG 492 Senior Seminar 1 Hour

In the Senior Seminar students will synthesize and assess what they have learned over the course of the English major by reviewing the discipline of English, exploring career and graduate studies opportunities, and collecting and revising selected major projects from previous classes.

Prerequisite(s): ENG 299

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in English Allied Language Arts (547), English for Secondary Teachers (561) or English (662)

Recent Term(s) Offered: spring 2020; fall 2021

ENG 493 American Poetry 3 Hours

This course examines, in addition to major writers, selected major movements and schools in American poetry, paying special attention to influences, techniques, and styles.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: fall 2020

ENG 495 Southern Literature 3 Hours

Selected texts by writers from and about the United States South.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: spring 2021; fall 2022

ENG 497 Women's Literature 3 Hours

Study of the literary history, criticism, and theory of women's writing, with an emphasis on American and British writers.

Prerequisite(s): (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: summer 2021; spring 2022

ENG 499 Directed Study in English 3 Hours (repeatable max of 6 hrs)

A study of a specific literary or linguistic topic directed by a faculty member. Note: 3.0 grade point average is required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2021; spring 2022

Entrepreneurship (ENT)

ENT 112 Introduction to Entrepreneurship 3 Hours

An introduction to an exploration in the study of entrepreneurship designed for freshmen. Topics include identifying new business opportunities and access to resources, start up process, and careers. Readings and hands-on business projects appropriate for an introductory course are used.

Restriction(s): Enrollment limited to students with a semester level of Freshman.

Recent Term(s) Offered: None

ENT 308 Innovation Management 3 Hours

A study of innovation identification, capitalization and industry dynamics in entrepreneurial and intrapreneurial contexts.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; spring 2022

ENT 312 Entrepreneurship 3 Hours

Entrepreneurship examines the entrepreneur as the basic building block of the economic system via the discovery or identification of opportunities. Emphasis is placed on identifying and defending feasible opportunities within the industry and market, while recognizing and managing the complex systems in which entrepreneurs live and work that motivate or constrain innovation. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ENT 363 Family Business Management 3 Hours

An exploration of the unique managerial issues, dynamics and competitive positioning, and contribution to the economy associated with family businesses. Emphasis placed on problems in organization, management, and succession in family business contexts. Open to business and non-business majors.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2021

ENT 380 New Venture Business Planning 3 Hours

An in-depth analysis of business planning. The purpose and components of business plans and feasibility analyses are presented. Students prepare a written plan for a venture, whether for or not-for profit. Students are strongly encouraged to enter the course with an idea for a venture.

Note: Permission of instructor.

Prerequisite(s): ENT 312

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ENT 410 Senior Seminar-Entrepreneurship 3 Hours (repeatable max of 9 hrs)

A special topics course covering subjects of current interest in entrepreneurship. Class format varies with instructor.

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Recent Term(s) Offered: None

ENT 425 International Entrepreneurship 3 Hours

An introduction to the competitive global economy and entrepreneurship in the international context. Students develop an understanding of the entrepreneurial climate across countries and how to become more competitive in the global context.

Prerequisite(s): (ENT 312 or MGT 303)

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Recent Term(s) Offered: None

ENT 463 Small Business Management 3 Hours

Provides a basic understanding of how to manage an ongoing small business, and aids in the development of managerial skills necessary to operate small businesses.

Prerequisite(s): (ECON 150 or ECON 202 or ECON 203) and (ACCT 220 and ENT 312 and MKT 220)

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Recent Term(s) Offered: fall 2020; fall 2022

ENT 490 Practicum in Entrepreneurship 3 Hours

Includes internships, independent studies, and special projects of interest in the entrepreneurship area. May include individual research projects as well as internships in profit or not-for-profit organizations with duties relating to entrepreneurship. Projects must be approved by the Management Chair. Note: Must have a 2.5 cumulative GPA; permission of the management chair and instructor.

Prerequisite(s): ENT 312

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022

ENT 496 Small Business Analysis and Strategy 3 Hours

Opportunities for students to act in a management consultant relationship with selected small/medium regional entrepreneurial organizations, firms. Overall strategy and policy issues are emphasized.

Prerequisite(s): BDAN 305 and FIN 330 and (MGT 310 or MGT 210) and MGT 314 and (MKT 320 or MKT 220)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; spring 2022

Environmental Science (ENV)

ENV 120 Introduction to Occupational Safety and Health 3 Hours

An introduction to the principles of occupational safety and health. A survey course covering the basic principles and techniques of accident investigation and prevention. Includes field trips. **Colonnade/Statewide General Education Code E-SB | SB**

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ENV 221 Safety and Health Standards, Codes, and Regulations 3 Hours

A review of the important occupational safety and health standards and codes with particular emphasis on application of these codes to typical work situations. Includes field trips. Note: Permission of instructor may be required.

Prerequisite(s): ENV 120

Recent Term(s) Offered: spring 2021; spring 2022

ENV 280 Introduction to Environmental Science 3 Hours

An introductory course devoted to the study of environmental issues. A general understanding of the application of science to solve

contemporary environmental challenges. **Colonnade/Statewide General Education Code E-NS | NS**

Equivalent(s): PH 280

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

ENV 321 Fundamentals of Industrial Hygiene 3 Hours

A basic introduction to the field of industrial hygiene. A survey of the effects of toxic agents on the body and general methods of control. Includes field trips. Note: Permission of instructor may be required.

Prerequisite(s): MATH 117 and CHEM 105 and CHEM 106

Corequisite(s): ENV 323

Recent Term(s) Offered: spring 2020; fall 2020

ENV 322 Physical Hazards Recognition and Control I 3 Hours

An examination of physical hazards in the work environment and methods of recognition and control. Includes field trips. Note: Permission of instructor may be required.

Prerequisite(s): ENV 221

Recent Term(s) Offered: spring 2020; fall 2021; fall 2022

ENV 323 Fundamentals of Industrial Hygiene Laboratory 1 Hour

Examines basic industrial hygiene sampling, measurement and analytical techniques. Laboratory exercises will include airflow calibration standards, procedures for calibration of personal sampling pumps, instrumentation and indoor air quality monitoring methodology.

Corequisite(s): ENV 321

Course Fee: \$50

Recent Term(s) Offered: spring 2020

ENV 360 Air Pollution Control 3 Hours

Examines air pollution sources, nature and behavior of air pollutants, air sampling and analysis, dispersion and diffusion in the atmosphere, air pollution meteorology, and methods and equipment for community air pollution control. Topics in indoor air quality (IAQ), modeling, and prediction, air quality control regulations, control strategies for stationary and mobile sources.

Prerequisite(s): CHEM 107 and CHEM 108 and MATH 118

Recent Term(s) Offered: fall 2020; spring 2022

ENV 365 Air Pollution Control Laboratory 1 Hour

Provides hands-on experience with field instrumentation and equipment, calibration methods and quantitative determination of different physical and chemical air pollutants. Examines air sampling, measurement and analytical methodologies and basic scientific and analytical techniques used in air pollution control.

Course Fee: \$50

Recent Term(s) Offered: None

ENV 375 Introduction to Water Resources 3 Hours

Recent advances and the present state of water resources; water resources planning and development; management and administration. Priorities in water resources research. Selected case histories.

Recent Term(s) Offered: None

ENV 380 Principles of Environmental Toxicology 3 Hours

An overview of the principles of environmental toxicology. Reviews the effects of environmental toxicants in relation to ecosystems and human health and provides an overview of techniques used in assessing the presence and distribution of environmental toxicants.

Prerequisite(s): CHEM 105 and CHEM 106 and MATH 118 and ENV 280

Recent Term(s) Offered: spring 2020; spring 2021

ENV 410 Water Treatment Processes 3 Hours

Determination of water quality characteristics pertinent to water and waste-water treatment.

Prerequisite(s): CHEM 107 and CHEM 108 and MATH 118

Corequisite(s): ENV 411

Recent Term(s) Offered: spring 2021

ENV 411 Water Treatment Processes Laboratory 1 Hour

Application of water treatment processes in a laboratory. Topics will include water quality measurements, water treatment methods and monitoring.

Prerequisite(s): ENV 375

Corequisite(s): ENV 410

Course Fee: \$50

Recent Term(s) Offered: spring 2021

ENV 423 Safety Program Management 3 Hours

Acquaints students with the common elements of a modern safety program. Note: Permission of instructor may be required.

Prerequisite(s): ENV 120 and ENV 221

Recent Term(s) Offered: fall 2022

ENV 430 Radiological Health 3 Hours

Fundamentals of detection of ionizing radiation, radiation interaction, with matter biological effects radiation dosimetry and radiation protection concepts.

Prerequisite(s): PHYS 332

Recent Term(s) Offered: None

ENV 435 Radiological Health Laboratory 1 Hour

A laboratory course correlated with ENV 430. Two laboratory hours per week.

Recent Term(s) Offered: None

ENV 460 Environmental Management 3 Hours

Provides students with a working knowledge of environmental management techniques, standards, permitting and programs that used to protect our air, water, and land resources. Off-campus travel is required. Students are responsible for arranging their own transportation to designated sites.

Prerequisite(s): ENV 360 (may be taken concurrently) and ENV 410 (may be taken concurrently) and ENV 480 (may be taken concurrently)

Recent Term(s) Offered: fall 2021; fall 2022

ENV 474 Environmental Risk Assessment 3 Hours

Develops both qualitative and quantitative skills in assessing the health risk of exposure to hazardous environmental agents. Topics include risk prioritization approaches and exposure monitoring strategies. Laboratory sessions focus on the application of risk assessment software tools and include a field project. Off-campus travel is required. Students are responsible for arranging their own transportation to designated sites.

Prerequisite(s): ENV 321 and ENV 380

Recent Term(s) Offered: fall 2020; spring 2022

ENV 475 Selected Topics in Env 1-3 Hours (repeatable max of 9 hrs)

A consideration of special topics to acquaint the advanced student with significant problems and developments of current interest in environmental technology. Topics to vary each semester offered. Field trips as appropriate. Note: Permission of instructor required.

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; fall 2022

ENV 480 Hazardous and Solid Waste Management 3 Hours

Includes the physical, chemical, and biological stressors associated with both hazardous and solid waste. Emphasis on characterization and remediation efforts.

Prerequisite(s): CHEM 107 and CHEM 108 and MATH 118

Recent Term(s) Offered: spring 2020; spring 2022

ENV 485 Educational Experiences in Occupational Safety and Health 3 Hours

Prerequisite(s): Permission of instructor. Special collection of selected short courses with content focused in the area of occupational safety and health. Instruction provided by outside agencies including the Kentucky Labor Cabinet, the Kentucky Regional Technology Center, and the North Carolina National Institute for Occupational Safety and Health Educational Resource Center. Total instruction time approximately 160 hours.

Recent Term(s) Offered: None

ENV 486 Senior Environmental Health Seminar 1 Hour

Current environmental health issues discussed, including identification of possible careers in environmental health fields.

Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2021

ENV 490 Food Safety 3 Hours

Principles of food safety in the processing and distribution of milk and milk products, meat, shellfish, and other foods, food borne illnesses and sanitation standards, surveillance and evaluation. Off-campus travel is required. Students must arrange own transportation for required field trips. Note: 6 hours of biology courses are required for course enrollment.
Recent Term(s) Offered: None

ENV 491 Internship in Environmental, Health, and Safety 3 Hours

Supervised experience in an organization, facility, industry, or business with ENV responsibilities. Assignments individually arranged. Off campus travel required. Note: Permission of instructor required.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022

ENV 495 Environmental Measurement 3 Hours

Includes environmental measurement methods for air, soils, and water analysis. Devices covered include: AA, GC/MS, XRF, PID, SEM, colorimetric tubes, and water quality instruments.

Prerequisite(s): ENV 280 and ENV 360 and ENV 410 and ENV 480
Recent Term(s) Offered: None

Exercise Science (EXS)

EXS 122 Foundations of Kinesiology 3 Hours

An introductory study of the historical, philosophical, and scientific foundations of kinesiology; aspects of physical education, exercise science, and sport will be covered.

Restriction(s): Enrollment is limited to students in Exercise Science (554) or Exercise Science-prep (554P)

Equivalent(s): PE 122

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

EXS 223 Introduction to Exercise Science 3 Hours

Introduction to the different areas of study contained within the field of exercise science. Students will be introduced to the application of exercise science to fitness, health, and disease. They will also be introduced to field and laboratory measurement techniques.

Restriction(s): Enrollment is limited to students in Exercise Science (554) or Exercise Science-prep (554P)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

EXS 296 Practicum in Exercise 3 Hours

Work experience in Exercise Science practical settings in progression towards completion of the major. Liability insurance is required. Must be repeated for a maximum of 4 hours taken twice with each practicum experience in a different subfield of Exercise Science.

Prerequisite(s): EXS 223 (may be taken concurrently)

Restriction(s): Enrollment is limited to students in Exercise Science (554) or Exercise Science-prep (554P)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

EXS 310 Kinesiology 3 Hours

Study of the anatomical, mechanical, and neuromuscular bases of human movement.

Prerequisite(s): BIOL 131

Restriction(s): Enrollment is limited to students in Exercise Science (554)
Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

EXS 311 Physiology of Exercise 3 Hours

A systemic study of the acute and chronic effects of exercise on the physiological function of the human body. Note: Permission of instructor may be required.

Prerequisite(s): (BIOL 131 with a minimum grade of C or BIO 131C with a minimum grade of C) and EXS 223 (may be taken concurrently) with a minimum grade of C

Restriction(s): Enrollment is limited to students in Exercise Science (554)
Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; winter 2021; spring 2021; fall 2021; winter 2022; spring 2022; fall 2022

EXS 312 Basic Athletic Training 3 Hours

A study of the basic principles of athletic training including prevention, evaluation, care, and rehabilitation of athletic injuries.

Prerequisite(s): (PE 311 or EXS 311)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Equivalent(s): PE 312

Recent Term(s) Offered: None

EXS 313 Motor Learning and Control 3 Hours

Designed to help build a foundation of knowledge and practice in the theoretical and conceptual basis behind human acquisition and performance of motor skills. The goal of the course is to understand how the individual, motor skill, and environment work together when learning novel or improving previously learned motor skills.

Prerequisite(s): EXS 223 with a minimum grade of C and (MATH 116 (may be taken concurrently) with a minimum grade of C or MATH 116E (may be taken concurrently) with a minimum grade of C)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Enrollment is limited to students in Exercise Science (554)

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

EXS 324 Measurement and Evaluation in Kinesiology 3 Hours

A study of measurement tools and evaluation procedures used in the fields associated with kinesiology, including physical education, exercise science, and biomechanics.

Prerequisite(s): (MATH 116 with a minimum grade of C or MATH 116E with a minimum grade of C) and EXS 223 with a minimum grade of C

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Enrollment is limited to students in Exercise Science (554)

Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; winter 2021; spring 2021; fall 2021; winter 2022; spring 2022; fall 2022

EXS 325 Applied Exercise Physiology 3 Hours

Applied concepts introduced in exercise physiology and kinesiology. Aspects of the human body's reaction to differing exercise stressors. Emphasis on metabolic, musculoskeletal, and cardiorespiratory systems. Laboratory and field experience applying theoretical concepts of exercise physiology and kinesiology.

Prerequisite(s): EXS 311 with a minimum grade of C and (CHEM 109 with a minimum grade of C or CHEM 116 with a minimum grade of C or CHEM 120 with a minimum grade of C)

Restriction(s): Enrollment is limited to students in Exercise Science (554)
Course Fee: \$25

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

EXS 412 Exercise Testing & Prescription 4 Hours (repeatable max of 4 hrs)

Study and field experience in developing principles and practices of physical fitness in the private and corporate sector for the general population and special populations. Students must provide their own transportation to designated or assigned sites.

Prerequisite(s): EXS 311 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Exercise Science (554)
Course Fee: \$20

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

EXS 420 Clinical Exercise Physiology 4 Hours (repeatable max of 4 hrs)

Principles of the clinical aspects of exercise physiology. Focuses primarily on the use of exercise in the treatment and diagnosis of various disease states, screening in risk stratification, and the ability to recognize and respond to emergency procedures.

Prerequisite(s): EXS 325 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Exercise Science (554)
Course Fee: \$50

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

EXS 425 Exercise Bioenergetics 3 Hours

Study of exercise metabolism during physical activity. Includes metabolic utilization of carbohydrates, fats, and proteins during anaerobic and aerobic exercise.

Prerequisite(s): EXS 325 with a minimum grade of C and (CHEM 109 with a minimum grade of C or CHEM 116 with a minimum grade of C or CHEM 120 with a minimum grade of C)

Restriction(s): Enrollment is limited to students in Exercise Science (554)
Recent Term(s) Offered: None

EXS 436 Principles of Strength and Conditioning 3 Hours

Designed to develop knowledge of principles and practices in components of strength and conditioning. The aim of the course is to understand the process behind development, implementation, and evaluation of strength and conditioning programs for elite, collegiate, high school, and/or recreational athletic populations.

Prerequisite(s): EXS 325 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Exercise Science (554)
Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

EXS 446 Biomechanics 4 Hours (repeatable max of 4 hrs)

Designed to help build a foundation of knowledge and practice in the theoretical and conceptual basis of human movement. The goal of the course is to understand the influence of rigid-body mechanics on human movement and how manipulations of mechanical factors alter human movement. The secondary goal is to learn to quantitatively analyze human movement.

Prerequisite(s): BIOL 131 with a minimum grade of C and (MATH 116 with a minimum grade of C or MATH 116E with a minimum grade of C or MA 116C with a minimum grade of C)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in Exercise Science (554)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

EXS 455 Exercise and Aging 3 Hours

Designed for students to gain a better understanding of the acute physiological responses and chronic adaptations associated with exercise in the aged population and the role of exercise in the aging process. Specific attention will be given to the mitigating role of exercise in certain diseases and disorders.

Prerequisite(s): (GERO 100 with a minimum grade of C or EXS 223 with a minimum grade of C)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

EXS 456 Individual Advanced Studies in Kinesiology 3 Hours (repeatable max of 6 hrs)

Specific and detailed analysis of practical problem areas in Kinesiology.

Equivalent(s): PE 456

Recent Term(s) Offered: spring 2022

EXS 485 Exercise Science Study Abroad 1-3 Hours (repeatable max of 6 hrs)

An exploration of international offerings pertaining to the study of exercise science and sports medicine. Study abroad courses require travel to various international locations. Specific course offerings will be announced prior to the semester in which travel occurs. Note: Must be in good standing, and obtain approval from the instructor.

Recent Term(s) Offered: None

EXS 496 Internship in Exercise Science 6 Hours

Comprehensive practical experience in a selected Exercise Science environment. Development of practical skills with on-the-job experience. Students will be responsible for their own transportation to designated or assigned sites. Note: A minimum GPA of 2.5 at the time of registration for EXS 496 is required.

Prerequisite(s): EXS 296 and EXS 412 (may be taken concurrently)

Restriction(s): Enrollment is limited to students in Exercise Science (554)
Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

EXS 498 Capstone Research Experience in Exercise Science 6 Hours

This course is designed to allow students who have a strong interest in the research process, and who intend to pursue graduate studies in exercise physiology or a related discipline, to gain valuable laboratory experience by working directly with an exercise science faculty member on a semester-long research project. Students may take this course in place of completing an internship. Note: A minimum cumulative GPA of 2.5 at the time of registration and permission of instructor required.

Prerequisite(s): EXS 325 and EXS 412

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in Exercise Science (554)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; spring 2022; fall 2022

Family and Consumer Sciences (FACS)

FACS 180 Foundations in Family and Consumer Sciences 3 Hours

Overview of interdisciplinary field of family and consumer sciences, including professional organizations and philosophy of education and service. Emphasizes the culture of the scholar.

Restriction(s): Enrollment is limited to students in Early Childhood Education (249) or Family Consumer Sciences (563)

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

FACS 191 Child Development 3 Hours

Study of the prenatal and postnatal factors that influence the physical, cognitive, language, social and emotional development of children. Implications and applications of concepts learned are stressed. Practical experiences provided in a field setting; students are responsible for arranging their own transportation.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

FACS 192 Working with Young Children and Families 3 Hours

An introductory course for those persons interested in providing services for infants, toddlers and preschool-age children, both with and without disabilities, and their families. Practical experiences provided in a field setting; students are responsible for providing their own transportation.

Recent Term(s) Offered: None

FACS 193 Curriculum Development for Young Children 3 Hours

Overview of curriculum and activities that are developmentally appropriate for diverse groups or individual children. Practical experiences provided in a field setting; students are responsible for arranging their own transportation. Note: Permission of instructor may be required.

Prerequisite(s): FACS 191 (may be taken concurrently)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022; fall 2022

FACS 198 Guidance and Problem-Solving Approaches for Young Children 3 Hours

Examines developmentally appropriate guidance and problem-solving approaches for young children based on theoretical and evidence-based practices. Child-centered approaches for addressing typical problems found in early childhood settings will be addressed. Field hours are required; students are responsible for their own transportation. Note: Permission of instructor.

Prerequisite(s): FACS 191

Recent Term(s) Offered: spring 2020

FACS 277 Development in Middle Childhood 3 Hours

Introduction of theories and research on children's physical, cognitive, and social/emotional development during middle childhood years (6-12 years old). Exploration of impact from important developmental contexts in middle childhood, including family, school, community, and other sociocultural factors. Development of interpersonal skills to interact with children in middle childhood years and critical thinking skills to apply course materials to analyze field experiences. Field experiences will be required. Students are responsible for their own transportation.

Prerequisite(s): FACS 191

Recent Term(s) Offered: None

FACS 281 Design Foundations for Family and Consumer Sciences Education 3 Hours

The application of design principles and elements as related to FCS state and national standards. Students will utilize technology in the application of design in projects suitable for middle and high school students. Field experience at student's expense.

Course Fee: \$30

Recent Term(s) Offered: None

FACS 282 Introduction to Family and Consumer Sciences Education 3 Hours

Introduction to the profession of Family and Consumer Sciences Education including examination of the role, responsibility and dispositions of effective teachers, characteristics of the teaching/learning environment and introductory methods. Participation in youth organizations and professional organizations will be included. Observations and Praxis Exam at student expense.

Recent Term(s) Offered: spring 2020; spring 2022

FACS 292 Diversity in Early Childhood Programs 3 Hours

This course focuses on developing and enhancing the knowledge and skills to work with children and families from diverse developmental, cultural, racial, and socio-economic backgrounds. The exploration of the challenges families face in living in a diverse society and who have a child with special needs will also be reviewed. Implications of diversity for practice with various populations are emphasized throughout the course. Influential theories and relevant research for professionals working with young children and families are discussed. Note: Permission of instructor may be required.

Prerequisite(s): (FACS 191 with a minimum grade of C or CFS 191 with a minimum grade of C)

Recent Term(s) Offered: fall 2020; fall 2021

FACS 294 Screening and Assessment of Young Children 3 Hours

Overview of the screening and assessment process, preliminary assessment skills, and using assessment results in planning for guidance/instruction of young children. Roles of the family in the screening and assessment process emphasized. Practical experiences provided in a field setting; students are responsible for arranging their own transportation. Note: Permission of instructor may be required.

Prerequisite(s): FACS 191 with a minimum grade of C

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; spring 2022

FACS 297 Family, Community and Early Childhood Program 3 Hours

An introduction to the skills and appropriate techniques of establishing positive relationships with families of young children and involving them in the early childhood program planning, implementation and evaluation. Skills and techniques for building community partnerships and advocating for young children are addressed. Practical experiences provided in a field setting. Students are responsible for providing their own transportation.

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

FACS 299 Administration of Early Childhood Programs 3 Hours

Principles and practices in organization and management of developmentally appropriate early childhood programs. Includes managing physical, personnel, fiscal, curricular, agency, community and family resources. At least 12 field-based hours will be required in addition to regular course meetings. Students are responsible for arranging their own transportation. Note: Permission of instructor may be required.

Prerequisite(s): FACS 294 (may be taken concurrently)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

FACS 310 Management of Family Resources 3 Hours

Study of consumer and marketplace interactions in the purchase of goods and services. Decision-making processes are applied to individual and family resources for achieving maximum personal satisfaction.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

FACS 311 Family Relations 3 Hours

Study of issues affecting individual and family well-being. Interpersonal relationships and communication skills necessary to achieve quality of life are addressed. **Colonnade/Statewide General Education Code SB Restriction(s):** Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

FACS 312 Professional Ethics for Family Life 3 Hours

Exploration of professional and family ethical codes of conduct, dilemmas and moral decisions. Real life application using ethical decision-making problem-solving, and critical thinking for interacting within family relationships and human services professions.

Recent Term(s) Offered: spring 2020; spring 2021; summer 2021; spring 2022; summer 2022

FACS 313 Practicum in Human Environment 3 Hours

Supervised work experience for a fixed period of time. Students perform professional functions with a pre-approved, cooperating organization. Field experience.

Recent Term(s) Offered: spring 2020; spring 2021; summer 2021

FACS 335 Infant/Toddler Development and Curriculum 3 Hours

Study of infant and toddler physical, cognitive, language, and social/emotional development. Application of child development to developmentally appropriate curriculum and classroom and teaching practices. Practical experiences in a field setting; students are responsible for providing their own transportation. Note: Permission of instructor may be required.

Prerequisite(s): FACS 193

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FACS 336 Preschool and Kindergarten Children Development and Curriculum 3 Hours

Study of early childhood (preschool and kindergarten) physical, cognitive, language, and social/emotional development. Application of child development to developmentally appropriate curriculum and classroom and teaching practices. Practical experiences in a field setting; students are responsible for providing their own transportation. Note: Permission of instructor may be required.

Prerequisite(s): FACS 193

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

FACS 380 Professional Presentation Techniques in Family and Consumer Sciences 3 Hours

Study of organization, development, delivery and evaluation of various presentation and demonstration techniques, including technology, as they relate to all areas of family and consumer sciences. Field trips at student's expense.

Restriction(s): Enrollment is limited to students in Family and Consumer Sciences (372) or Family Consumer Sciences (563)

Recent Term(s) Offered: None

FACS 381 Methods and Materials in Family and Consumer Sciences Education 3 Hours

A study of family and consumer sciences curriculum patterns including objectives, methods of planning and presentation, laboratory organization, home and community projects, instructional materials, evaluation, and federal and state legislation for vocational education and family and consumer sciences. Note: Proof of passing Praxis Core for FACS Education majors or consent of instructor is required.

Prerequisite(s): FACS 380 and MGE 275

Recent Term(s) Offered: spring 2021; fall 2022

FACS 391 Risk and Resilience 3 Hours

Focuses on the development of social and emotional skills as they relate to resilience in children. Risk factors will be explored. Field experiences will be required. Students are responsible for their own transportation. Note: Permission of instructor may be required.

Prerequisite(s): (FACS 191 with a minimum grade of C or CFS 191 with a minimum grade of C)

Recent Term(s) Offered: None

FACS 393 Role of Play in Child Development 3 Hours

Theoretical and empirical perspectives connecting play to children's learning and development will be examined. Students will examine the role of play in relation to brain development.

Prerequisite(s): (CFS 191 with a minimum grade of C or FACS 191 with a minimum grade of C)

Restriction(s): Enrollment limited to students with a semester level of Junior, Post-Baccalaureate-Degree Seek or Senior.

Recent Term(s) Offered: summer 2020; fall 2020; fall 2021

FACS 395 Child and Family Stress 3 Hours

Acquaint students with major concepts from the research and conceptual literature on family stress and resilience. Examines stress as experienced and perceived by children and their families. Factors that influence children's coping with stress are emphasized.

Restriction(s): Enrollment limited to students with a semester level of Junior, Post-Baccalaureate-Degree Seek or Senior.

Recent Term(s) Offered: spring 2020; summer 2020; spring 2021; summer 2021; spring 2022; summer 2022

FACS 396 Adoption Theories and Research 3 Hours

Review of theories and research underlying practice with families and children who have been adopted. Offers an understanding of challenges, risks, and opportunities related to adoptive and birth families. Types and critical issues of adoption will be reviewed.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

FACS 399 Implications of Research in Family and Child Studies 3 Hours

Explores the processes and implications of research related to family and child studies. Students will gain understanding and develop skills needed to be consumers of scientific literature.

Restriction(s): Enrollment limited to students with a semester level of Junior, Post-Baccalaureate-Degree Seek or Senior.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FACS 410 Internship 1-9 Hours (repeatable max of 6 hrs)

Application of knowledge and skills in a supervised experience. Students perform professional functions in an appropriate establishment.

Repeatable to a maximum of 6 hours. (Note: Application must be submitted to coordinator of the Internship Program one complete semester prior to the semester a student plans to do the practicum. A 2.5 grade point average in professional courses is required for eligibility and completion of all 300 level courses required).

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2020; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022

FACS 411 Special Topics in Consumer and Family Science 1-3 Hours (repeatable max of 6 hrs)

Individual investigation of problems selected from an area of specialization within the department. Repeatable for credit. Note: Approval from the head of the department required.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; winter 2022; spring 2022; fall 2022

FACS 422 Adolescent Psychology 3 Hours

Introduction to behavior and development from early adolescence, emphasizing a critical review of research and literature.

Prerequisite(s): (PSY 100 or PSYS 100 or PSYC 100C or FACS 191)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Equivalent(s): PSY 422

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

FACS 481 Advanced Methods in Family and Consumer Sciences Education 3 Hours

A study of the background and trends in education for improving family and consumer sciences. Career and Tech Ed training for high school youth and adults including an understanding of state and federal accountability requirements. Emphasis on working with persons with diverse backgrounds. Lecture. Field trips at student's expense. Note: Permission of instructor may be required.

Prerequisite(s): FACS 381

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2021

FACS 482 Resource Management for the Individual and Family 3 Hours

A study of the factors affecting the management of the home in meeting the needs of individuals and creating a satisfying environment for the family. Special consideration is given to those problems involving the use of time, energy, and money. Lecture-field trips at student's expense. Curriculum changes in process. See FCS advisor.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Enrollment is limited to students in Family Consumer Sciences (563)

Recent Term(s) Offered: None

FACS 491 Seminar in Family Economics 1 Hour

Current literature in family and consumption economics are studied and discussed. Curriculum changes in process. See FCS advisor.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: None

FACS 492 Growth and Guidance of Children 3 Hours

Study of the biological, physical, social-emotional, and cognitive needs of infants and school-aged children. The strategies by which these needs may be met within the family, the school, and other environments are discussed.

Prerequisite(s): (FACS 191 with a minimum grade of C or CFS 191 with a minimum grade of C) and PSY 100

Recent Term(s) Offered: None

FACS 493 Family Life Education 3 Hours

Study of various perspectives of family life education, principles and practices, including program planning, implementation and evaluation. Field experiences required at student's expense.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022; fall 2022

FACS 494 Parenting Strategies 3 Hours

Study of the major theoretical and practical approaches to effective parenting strategies within functional families. Emphasis is placed on practicing techniques and skills which are developmentally appropriate for different ages of children.

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

FACS 495 Family and Relationship Violence 3 Hours

A study of the dynamics underlying interpersonal violence and theoretical perspectives regarding the etiology of violent behavior. Analysis of behaviors indicative of violent relationships and various treatment modalities as they are applied to individuals and families are emphasized.

Recent Term(s) Offered: summer 2020; fall 2020; summer 2021; fall 2021; summer 2022; fall 2022

FACS 496 Addressing Challenging Behavior in Young Children 3 Hours

Examination of young children's challenging behaviors and strategies for developing behavior support plans across settings. Practical experiences in a field setting; students are responsible for providing their own transportation. Note: Permission of instructor may be required.

Prerequisite(s): FACS 191

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FACS 497 Family Home Visiting 3 Hours

Focuses on the design, implementation and effects of human service programs aimed at promoting service provision in a variety of settings. Review of best practice, policy, and research with families and young children in natural environments. Field experience hours required. Student is responsible for transportation. Note: Permission of instructor may be required.

Prerequisite(s): (FACS 395 or FACS 494)

Restriction(s): Enrollment limited to students with a semester level of Post-Baccalaureate-Degree Seek or Senior.

Recent Term(s) Offered: spring 2020; spring 2021; summer 2021; spring 2022; summer 2022

FACS 499 Family Policy Analysis 3 Hours

An examination of the place of family and child studies in the context of broader themes, such as public policy and varying social and economic climates. This course is designed to integrate research, theory, and practice, applying former education to a variety of family and child issues.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

Film (FILM)

FILM 100 Film Industry and Aesthetics 3 Hours

Introduction of the film industry and aesthetics of cinematic visual storytelling, considered from both studio and independent practitioners' perspectives.

Restriction(s): Enrollment is limited to students in Film (Officially Admitted) (667) or Film (Seeking Admission) (667P)

Course Fee: \$65

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FILM 105 Film Appreciation 3 Hours

A study of the basic elements and techniques of the film medium, designed to increase the student's understanding and appreciation of the motion picture both as a communication medium and as an art form. A number of film masterpieces will be viewed and analyzed. Intended for non-majors. Lecture and screening. **Colonnade/Statewide General Education Code E-AH | AH**

Recent Term(s) Offered: spring 2021; summer 2021; spring 2022; summer 2022

FILM 155 Film Attendance 0 Hours

Attendance at 8 film screenings or related events within one semester from a Film program approved list.

Restriction(s): Enrollment is limited to students in Film (Officially Admitted) (667) or Film (Seeking Admission) (667P)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

FILM 201 Introduction to the Cinema 3 Hours (repeatable max of 3 hrs)

A study of the basic elements and techniques of the film medium, designed to increase the students' understanding and appreciation of the motion picture both as a communication medium and as an art form. A number of film masterpieces will be viewed and analyzed. Lecture and lab. **Colonnade/Statewide General Education Code E-AH | AH**

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; fall 2021; fall 2022

FILM 202 Basic Film Production 3 Hours

Introduction to film production equipment and on-set crew positions. Practical, hands-on experience rotating through crew positions in a workshop setting.

Prerequisite(s): FILM 100 and FILM 201

Course Fee: \$35

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

FILM 250 Screenwriting I 3 Hours

A concentrated study in the fundamentals of screenwriting for narrative film; conflict, character, structure, plot, dialogue, and subtext. Emphasis on visual storytelling through short screenplays.

Prerequisite(s): (FILM 201 with a minimum grade of C or BCOM 325 with a minimum grade of C)

Course Fee: \$35

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

FILM 251 Film Directing I 2 Hours

A concentrated study in the fundamentals of directing for narrative film: script analysis, working with actors, rehearsal process, blocking camera, staging actors. Emphasis on visual storytelling through short filmed projects.

Prerequisite(s): FILM 202 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Film Production (530)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FILM 252 Film Producing 2 Hours

A concentrated study in the fundamentals of producing for film: developing ideas, script evaluation, fundraising, budgeting, scheduling, and production management. Emphasis on creative and managerial skills through short projects.

Prerequisite(s): FILM 202 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Film Production (530)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FILM 253 Cinematography I 2 Hours

A concentrated study in the fundamentals of cinematography: capture/presentation formats, lighting, camera, exposure, and composition. Emphasis on visual storytelling through short filmed projects.

Prerequisite(s): FILM 202

Restriction(s): Enrollment is limited to students in Film Production (530)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FILM 254 Production Design I 2 Hours

A concentrated study in the fundamentals of production design for narrative film: color and shape, form, wardrobe, hair/make up, and set design/decoration. Emphasis on visual storytelling through short projects.

Prerequisite(s): FILM 202

Restriction(s): Enrollment is limited to students in Film Production (530)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FILM 256 Film Editing I 3 Hours

A concentrated study in the fundamentals of editing for narrative film: evaluating footage, technical editing, continuity editing, audio editing, basic mixing, collaboration. Emphasis on visual storytelling through short projects.

Prerequisite(s): FILM 202

Restriction(s): Enrollment is limited to students in Film Production (530)

Recent Term(s) Offered: spring 2022

FILM 282 Film Production Workshop I 3 Hours (repeatable max of 6 hrs)

Intensive, hands-on workshop in the production of short-form cinema. Specific focus of study to be determined in consultation with instructor. Emphasis on techniques and strategies relevant to producing independent film and video.

Prerequisite(s): FILM 101 with a minimum grade of C or FILM 202 with a minimum grade of C

Course Fee: \$65

Recent Term(s) Offered: spring 2022

FILM 290 Practicum: Pre-Production I 2 Hours

Foundational, practical, project-based experience in pre-production strategies for narrative (fiction) filmmaking. Emphasis on the practical application of pre-production skills, strategies, and best practices covered and developed in previous course offerings. Specific focus designed in consultation with instructor.

Prerequisite(s): FILM 202

Restriction(s): Enrollment is limited to students in Film Production (530)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FILM 291 Practicum: Below-the-Line I 3 Hours

Foundational, practical, hands-on experience in film production as below-the-line crew. Emphasis on techniques and strategies developed in previous course offerings. Specific focus designed in consultation with instructor.

Prerequisite(s): FILM 202

Restriction(s): Enrollment is limited to students in Film Production (530)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FILM 292 Practicum: Above-the-Line I 3 Hours

Foundational, practical, project-based experience in film production as the above-the-line creative team. Emphasis on the practical application of the above-the-line production skills, strategies, and practices covered and developed in previous course offerings. Specific focus designed in consultation with instructor.

Prerequisite(s): FILM 202

Restriction(s): Enrollment is limited to students in Film Production (530)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FILM 350 Screenwriting II 2 Hours

An advanced study in the principles of screenwriting for narrative film: conflict, character, structure, plot, dialogue, and subtext. Emphasis on visual storytelling through short screenplays.

Prerequisite(s): FILM 250

Restriction(s): Enrollment is limited to students in Film Production (530)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FILM 351 Film Directing II 2 Hours

An advanced study in the principles of directing for narrative film: visual story analysis, director's manifesto development, master-filmmaker style-critique. Emphasis on visual storytelling through short filmed projects.

Prerequisite(s): FILM 251

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FILM 353 Cinematography II 2 Hours

An advanced study in the principles of cinematography: capture/presentation formats, lighting, camera, exposure, and composition. Emphasis on visual storytelling through short filmed projects.

Prerequisite(s): FILM 253

Restriction(s): Enrollment is limited to students in Film Production (530)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FILM 354 Production Design II 2 Hours

An advanced study in the fundamentals of production design for narrative film: professional practices, set construction, design for visual and special effects, and character design. Emphasis on visual storytelling through short projects.

Prerequisite(s): FILM 254

Restriction(s): Enrollment is limited to students in Film Production (530)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FILM 355 Film Sound 2 Hours

A concentrated study in the fundamentals of production and post-production sound for narrative film: dialogue editing and audio restoration, sound design, ADR and foley, pre-dubbing, final mix/re-recording. Emphasis on visual storytelling through short projects.

Prerequisite(s): FILM 202

Restriction(s): Enrollment is limited to students in Film Production (530) or Film (Officially Admitted) (667)

Recent Term(s) Offered: None

FILM 356 Film Editing II 2 Hours

An advanced study in the principles of editing for narrative film: complex continuity editing, dialogue editing, cutting action and suspense, scene transitions, visual effects. Emphasis on visual storytelling through short projects.

Prerequisite(s): FILM 256

Restriction(s): Enrollment is limited to students in Film Production (530)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FILM 359 Topics in Scriptwriting 3 Hours (repeatable max of 6 hrs)

Focuses on topics in scriptwriting including, but not limited to, writing for television (narrative), writing the genre feature, and writing for the stage. Emphasizes the practices of contemporary scriptwriters in various genres.

Prerequisite(s): (FILM 250 or ENG 203)

Equivalent(s): ENG 359

Recent Term(s) Offered: None

FILM 366 History of Narrative Film 3 Hours (repeatable max of 3 hrs)

Examines the history and development of narrative film from the silent era to the present. Emphasis on specific narrative conventions of Hollywood cinema.

Prerequisite(s): FILM 201

Recent Term(s) Offered: spring 2020; fall 2021

FILM 367 Introduction to Film Genres 2 Hours

A survey course covering the historical development, thematic and stylistic conventions, and cultural significance of critical film genres. Surveys representative films from several genres, i.e. film noir, westerns, crime & gangster, thriller, horror, science fictions, romantic comedy, etc.

Prerequisite(s): FILM 201

Recent Term(s) Offered: fall 2021; fall 2022

FILM 369 Introduction to World Cinema 3 Hours

Examines cinema in several regions including China, India, Europe, Middle East, Africa, and Latin America. Viewing of representative films accompanied by background readings on history/culture. Note: Permission of instructor.

Prerequisite(s): FILM 201 with a minimum grade of C

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

FILM 376 Cinematography 3 Hours (repeatable max of 3 hrs)

A concentrated study in the fundamentals of cinematography: capture/presentation formats, lighting, camera, exposure, composition, and color grading. Emphasis on visual storytelling through short filmed projects.

Prerequisite(s): BCOM 366 with a minimum grade of C and FILM 282 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Film (Officially Admitted) (667), Broadcasting (726) or Photojournalism (750)

Recent Term(s) Offered: spring 2020

FILM 377 Film Sound 3 Hours

A concentrated study in the fundamentals of audio for narrative film: properties of sound, field and studio recording, mixing, and audio post-production. Emphasis on audio/visual storytelling through short projects.

Prerequisite(s): FILM 282 with a minimum grade of C and BCOM 366 with a minimum grade of C

Recent Term(s) Offered: spring 2020

FILM 378 Film Directing 3 Hours (repeatable max of 3 hrs)

A concentrated study in the fundamentals of directing for narrative film: script analysis, casting, staging, working with actors, camerawork, editing. Emphasis on visual storytelling through short filmed projects.

Prerequisite(s): FILM 250 with a minimum grade of C and FILM 282 with a minimum grade of C and PERF 101 with a minimum grade of C and BCOM 366 with a minimum grade of C

Recent Term(s) Offered: spring 2020

FILM 379 Film Producing 3 Hours

A concentrated study in the fundamentals of producing for film: developing ideas, script evaluation, fundraising, budgeting, scheduling, and production management. Emphasis on creative and managerial skills through short projects.

Prerequisite(s): BCOM 366 with a minimum grade of C and FILM 250 with a minimum grade of C and FILM 282 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Film (Officially Admitted) (667) or Broadcasting (726)

Recent Term(s) Offered: None

FILM 382 Film Production Workshop II 2 Hours (repeatable max of 3 hrs)

A continuation of the intensive, hands-on workshop experience begun in FILM 282. Specific focus of study to be determined in consultation with instructor. Emphasis on techniques and strategies relevant to producing independent short-form cinema.

Prerequisite(s): FILM 282 with a minimum grade of C

Course Fee: \$65

Recent Term(s) Offered: spring 2021

FILM 390 Practicum: Pre-Production II 3 Hours

Intermediate, practical, project-based experience in pre-production strategies for narrative (fiction) filmmaking. Emphasis on the practical application of pre-production skills, strategies, and best practices covered and developed in previous course offerings. Specific focus designed in consultation with instructor.

Prerequisite(s): FILM 290

Restriction(s): Enrollment is limited to students in Film Production (530)

Recent Term(s) Offered: spring 2021; spring 2022

FILM 391 Practicum: Below-the-Line II 3 Hours

Intermediate, practical, hands-on experience in film production as below-the-line crew. Emphasis on techniques and strategies developed in previous course offerings. Specific focus designed in consultation with instructor.

Prerequisite(s): FILM 291

Restriction(s): Enrollment is limited to students in Film Production (530)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FILM 392 Practicum: Above-the-Line II 3 Hours

Intermediate, practical, project-based experience in film production as the above-the-line creative team. Emphasis on the practical application of above-the-line production skills, strategies, and practices covered and developed in previous course offerings. Specific focus designed in consultation with instructor.

Prerequisite(s): FILM 292

Restriction(s): Enrollment is limited to students in Film Production (530)

Recent Term(s) Offered: spring 2021; spring 2022

FILM 393 Practicum: Post-Production I 3 Hours

Practical, hands-on experience in post-production, designed to facilitate the production of a 6- to 8-minute film during the student's junior year. Emphasis on techniques and strategies developed in previous Editing and Sound courses, related to visual and audio post-production. Specific focus designed in consultation with instructor.

Prerequisite(s): FILM 356

Restriction(s): Enrollment is limited to students in Film Production (530)

Recent Term(s) Offered: spring 2021; spring 2022

FILM 394 Film Animation 3 Hours (repeatable max of 6 hrs)

Students learn the basics of producing animated motion pictures by experimenting with a variety of techniques and methods. Also included is a history of the animated film as an art form.

Equivalent(s): BCOM 394

Recent Term(s) Offered: fall 2022

FILM 399 Special Topics in Film 3 Hours (repeatable max of 15 hrs)

A detailed study of special topics in film. May be repeated with change of content.

Recent Term(s) Offered: winter 2020; spring 2021

FILM 450 Feature Screenwriting 3 Hours

An advanced, intensive study of the techniques of screenwriting for feature films: outlines, treatments, character, act structure, subplots. Emphasis on visual storytelling through completion of a feature screenplay.

Prerequisite(s): FILM 250 with a minimum grade of C

Course Fee: \$35

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FILM 465 Film Genres 3 Hours (repeatable max of 6 hrs)

Study of the historical development, thematic and stylistic conventions, and cultural significance of film genre(s). Surveys representative films from one or two genres, e.g., film noir and the Western; romantic comedy and family melodrama; horror and science fiction; the musical; the war film; the epic. May be taken twice as long as genres differ. Note: Permission of instructor.

Prerequisite(s): (ENG 365 or FILM 201) and (Foundations Literary Studies or ENG 200 or MLNG 200 or RELS 200 or ENG FAH-L or ENG B1-L)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

FILM 466 Film Theory 3 Hours (repeatable max of 3 hrs)

Study of major theories of narrative film and related media; specific theories examined will include formalist, auteurist, historical, structuralist, psychoanalytical, and political. Will include viewing of selected films.

Prerequisite(s): FILM 369

Recent Term(s) Offered: spring 2022

FILM 469 Topics in World Cinema 3 Hours

An advanced, in-depth study of world cinema. Subjects might include national cinemas, directors, or select genres, movements or periods. Viewings of representative films will be accompanied by readings on history/culture.

Prerequisite(s): FILM 369 with a minimum grade of C

Recent Term(s) Offered: None

FILM 482 Film Production Workshop III 3 Hours (repeatable max of 6 hrs)

Senior-level production practicum. Specific focus of study to be determined in consultation with instructor. Emphasis on film and video techniques and strategies learned across the entire program of study of the Film major.

Prerequisite(s): FILM 376 with a minimum grade of C and FILM 377 with a minimum grade of C and FILM 379 with a minimum grade of C and FILM 378 with a minimum grade of C

Course Fee: \$35

Recent Term(s) Offered: spring 2020; spring 2021

FILM 486 Film Capstone 3 Hours

A senior capstone experience synthesizing and assessing the complete field of study for film majors. Includes an exploration of career and graduate study opportunities.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in Film Production (530) or Film (Officially Admitted) (667)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FILM 489 Thesis Development 3 Hours

Collaborative development experience, designed to facilitate the production of a 10- to 12-minute film during the student's senior year. Emphasis on techniques and strategies developed in previous Screenwriting and Producing courses, related to screenplay and project development. Specific focus in consultation with instructor.

Prerequisite(s): FILM 252 and FILM 350

Restriction(s): Enrollment is limited to students in Film Production (530)

Recent Term(s) Offered: fall 2021; fall 2022

FILM 490 Practicum: Pre-Production III 3 Hours

Advanced, practical, project-based experience in pre-production strategies for narrative (fiction) filmmaking. Emphasis on the practical application of pre-production skills, strategies, and best practices covered and developed in previous course offerings. Specific focus designed in consultation with instructor.

Prerequisite(s): FILM 390

Restriction(s): Enrollment is limited to students in Film Production (530)

Recent Term(s) Offered: fall 2021; fall 2022

FILM 491 Practicum: Below-the-Line III 3 Hours

Advanced, practical, hands-on experience in film production as below-the-line crew. Emphasis on techniques and strategies developed in previous course offerings. Specific focus designed in consultation with instructor.

Prerequisite(s): FILM 391

Restriction(s): Enrollment is limited to students in Film Production (530)

Recent Term(s) Offered: spring 2021; spring 2022

FILM 492 Practicum: Above-the-Line III 3 Hours

Advanced, practical, project-based experience in film production as the above-the-line creative team. Emphasis on the practical application of above-the-line production skills, strategies, and practices covered and developed in previous course offerings. Specific focus designed in consultation with instructor.

Prerequisite(s): FILM 392

Restriction(s): Enrollment is limited to students in Film Production (530)

Recent Term(s) Offered: fall 2021; fall 2022

FILM 493 Practicum: Post-Production II 3 Hours

Advanced hands-on experience in post-production, designed to facilitate the production of a 10- to 12-minute film during the student's senior year. Emphasis on techniques and strategies developed in previous Editing and Sound courses, related to visual and audio post-production. Specific focus designed in consultation with instructor.

Prerequisite(s): FILM 393

Restriction(s): Enrollment is limited to students in Film Production (530)

Recent Term(s) Offered: spring 2022

FILM 499 Directed Study in Film 1-4 Hours (repeatable max of 8 hrs)

A study of a specific area of focus or topic regarding film production directed by a faculty member.

Recent Term(s) Offered: fall 2022

Finance (FIN)

FIN 161 Personal Finance 3 Hours

Designed to serve the personal finance needs of students regardless of their major fields. Practical applications in personal and family financial planning, including credit, buying, borrowing, banking, insurance, investments, taxation, estate planning and home ownership. **Colonnade/Statewide General Education Code E-SB | SB**

Equivalent(s): FINC 161C

Recent Term(s) Offered: spring 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

FIN 330 Principles of Finance 3 Hours

Covers basic concepts and techniques in corporate finance and investments. Topics include asset valuation, time value of money, capital budgeting, financial statements and international finance.

Prerequisite(s): (ACCT 110 or ACCT 220) and (MATH 123 or MATH 136 or MATH 137 or MATH 142 or MATH 237 or ACT Math with a score of 26 or SAT Mathematics Score with a score of 610) and (ECON 202 or ECON 203)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

FIN 331 Applied Investments 3 Hours

Covers personal investment fundamentals, including asset class and fund selection within 401k and similar retirement plans, use of tax-favored accounts, and factor-based investing.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

FIN 332 Investment Theory 3 Hours

An examination is made of investment institutions, market mechanics and investment media. The course deals with the setting of investment objectives, portfolio building and the problems of selection and timing.

Prerequisite(s): FIN 330

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

FIN 333 Advanced Topics in PFP 3 Hours

An explanation of the federal income tax structure and the role taxes play in decision making. The tax effects on personal investments and the tax factors in personal financial planning are given special emphasis.

Prerequisite(s): FIN 161

Restriction(s): Enrollment is limited to students in Finance (664)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FIN 334 Financial Mathematics 3 Hours

An introduction to fundamental concepts of financial mathematics; Application of present and accumulated value calculations to various streams; Mathematics of valuation, pricing, asset/liability management, investment income, capital budgeting, and contingent cash flows.

Prerequisite(s): FIN 330 and MATH 136 and ECON 203 and (ECON 206 or STAT 301)

Recent Term(s) Offered: fall 2021; fall 2022

FIN 350 Risk Management and Insurance 3 Hours

Fundamental principles of risk and insurance and their application to risk situations. Provides the basic knowledge for intelligent solution of personal and business risk problems.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

FIN 370 Principles of Real Estate 3 Hours

Deals generally with urban real estate with emphasis on principles and practices of the real estate business.

Prerequisite(s): FIN 330

Recent Term(s) Offered: summer 2020; summer 2021; summer 2022

FIN 389 Financial Analysis and Modeling 3 Hours

This course reviews fundamental finance concepts in a computerized spreadsheet framework. This course covers such topics as Time Value of Money (TVM), Capital Budgeting, Financial Statement Analysis and Pro-Forma statement development, Investment Analysis and Modelling, and Derivatives. All of this will be done using the Microsoft Excel Platform. Students will be required to have a basic understanding of finance principles and computing proficiency.

Prerequisite(s): BDAN 250 and FIN 330

Recent Term(s) Offered: fall 2022

FIN 399 Career Readiness in Finance 1 Hour

Introduction to preparation for a career in Finance including exposure to careers in finance; certifications in the profession; development of professional writing skills, professional resumes and cover letters; oral communications; interviewing skills; goal setting; ethical standards; and professional networking. This course is limited to juniors and seniors in the Finance program. Assignments may include travel.

Prerequisite(s): FIN 330 (may be taken concurrently) and FIN 161 (may be taken concurrently)

Restriction(s): Enrollment is limited to students in Finance (664) or Finance (Seeking Adm) (664P)

Recent Term(s) Offered: fall 2022

FIN 403 Security Licensing and Investment Accreditations Lab 1 Hour

This course is for finance majors to study for and take career licensures and certification exams. This includes preparation for the Securities Industry Essentials® (SIE®) exam, the Series 65 exam, or the first level of Chartered Financial Analyst (CFA) exam.

Prerequisite(s): FIN 331 or FIN 332

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Enrollment is limited to students in Financial Planning (200) or Finance (664)

Recent Term(s) Offered: None

FIN 405 Legal and Regulatory Aspects of Personal Financial Planning 1.5 Hour

A study of the requirements relevant to financial planners under the 1933, 1934, and 1940 Securities Acts, ERISA, state securities laws, registered investment adviser compliance, and CFP® Code of Ethics and Professional Standards of Conduct. Explores due diligence and compliance procedures and processes.

Prerequisite(s): FIN 161 and FIN 331

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Recent Term(s) Offered: None

FIN 419 Behavioral Finance and Investing 1.5 Hour

This course takes an in-depth look at how behavioral biases impact day-to-day decision making in the area of Investments and Corporate Finance and the steps investors and managers can take to mitigate the effects of those biases. The course deals with current theory and practice in the area of Behavioral Finance.

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Recent Term(s) Offered: None

FIN 422 Personal Financial Planning Practice Management 3 Hours

This course introduces students to counseling and communication techniques, as well as interviewing strategies for use in financial planning settings, advanced coursework in professional software packages for financial planning and investment portfolio applications, and reviews business models and staffing arrangements.

Prerequisite(s): FIN 331 (may be taken concurrently) and FIN 332 (may be taken concurrently) and FIN 444 (may be taken concurrently)

Restriction(s): Enrollment is limited to students in Financial Planning (200) or Finance (664)

Recent Term(s) Offered: None

FIN 430 Selected Topics-Finance 3 Hours

Conducted at selected times covering special topics of current interest to finance students. Class format varies with instructor. Note: Permission of instructor.

Prerequisite(s): FIN 330

Recent Term(s) Offered: None

FIN 433 Financial Markets and Institutions 3 Hours

An examination of the behavior of U.S. and world financial markets with a special emphasis on interest rate theories, funds flows, and the role of financial institutions in these markets.

Prerequisite(s): FIN 330

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FIN 435 Commercial Bank Management 3 Hours

Study of the financial management of commercial banks. Emphasis is on asset/liability management and the financial analysis of bank statements.

Prerequisite(s): FIN 330

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

FIN 436 International Financial Management 3 Hours

An examination of the international dimension of corporate finance. Topics covered include environment of international financial management, foreign exchange risk management, foreign investment analysis, and financing foreign operations.

Prerequisite(s): FIN 330

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

FIN 437 Corporate Asset Management 3 Hours

Advanced level exposure to valuation concepts, capital budgeting decisions, working capital management, and mergers and acquisitions. Deals with the current theory and practice of corporate finance in these areas.

Prerequisite(s): FIN 330 with a minimum grade of C and ECON 307 (may be taken concurrently)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FIN 438 Corporate Funds Management 3 Hours

Advanced level exposure to financing and dividend policy, short-, intermediate-, and long-term financing, and financial statement analysis. Deals with the current theory and practice of corporate finance in these areas.

Prerequisite(s): FIN 330 with a minimum grade of C and ECON 307 (may be taken concurrently)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FIN 439 Security Analysis and Portfolio Management 3 Hours

An advanced level exposure to fixed income and equity security valuation, and the theory and practice of portfolio management.

Prerequisite(s): FIN 332 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

FIN 440 Internship in Finance 3 Hours

Supervised work with a cooperating organization that provides financial services and products to the public. Note: Admission to departmental cooperative program required.

Prerequisite(s): FIN 330

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

FIN 441 Entrepreneurial Finance 3 Hours

This course focuses on gaining understanding of the financing of entrepreneurial ventures, including ways entrepreneurs identify and commit the necessary resources to create and finance their ventures.

Prerequisite(s): FIN 330

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FIN 444 Retirement Planning 3 Hours

Emphasizes the practical knowledge needed for choosing the best financial plan and designing a retirement plan that will meet a client's needs from a tax, retirement, and financial planning standpoint.

Prerequisite(s): FIN 161

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FIN 445 Estate Planning 3 Hours

Survey of financial planning, estate and gift tax planning, the unified estate and gift tax system, and the transfer of property through trusts and wills.

Prerequisite(s): FIN 161

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

FIN 449 Practicum in Portfolio Management 3 Hours (repeatable max of 6 hrs)

Practical experience in managing an investment portfolio in a teamwork environment. Emphasis placed on Economics, Industry, and Company analysis, security selection, report preparation, daily decision making, record keeping and performance evaluation. Students will be responsible for making all material decisions in managing an actual investment portfolio of real funds. Note: Permission of instructor.

Prerequisite(s): FIN 332 with a minimum grade of C

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

FIN 450 Financial Plan Development 3 Hours

The student will be able to demonstrate understanding of financial planning by successfully formulating and presenting a comprehensive financial plan.

Prerequisite(s): FIN 331 (may be taken concurrently) and FIN 350 (may be taken concurrently) and FIN 444 (may be taken concurrently) and FIN 333 (may be taken concurrently)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022

FIN 499 Senior Assessment in Finance 1 Hour

This course is designed to be a tool in the senior assessment process. It is designed to provide a means of conducting assessment of Finance majors. The course will seek to measure knowledge of basic ideas and concepts necessary of Finance graduates. Note: Must be enrolled in last regular semester of course work (summer graduate would take this course in the spring semester prior to completion).

Prerequisite(s): FIN 399

Restriction(s): Enrollment limited to students with a semester level of Senior.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Finance (So Campus) (FINC)

FINC 161C Personal Finance 3 Hours

Designed to serve the personal finance needs of students regardless of their major fields. Practical applications in personal and family financial planning, including credit, buying, borrowing, banking, insurance, investments, taxation, estate planning, and home ownership. **Colonnade/Statewide General Education Code E-SB | SB**

Equivalent(s): FIN 161

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

Folk Studies (FLK)

FLK 275 Supernatural Folklore 3 Hours

An investigation of traditional beliefs concerning unverifiable phenomena, including superstition, traditional healing, divination, and witchcraft.

Current historical, philosophical, anthropological and folkloristic theories are covered. **Colonnade/Statewide General Education Code E-AH | AH**
Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

FLK 276 Introduction to Folklore 3 Hours

An introduction to the study of folk tradition in different contexts, focusing on the concepts of folk group, cultural relativism, fieldwork, meaning and function, and the genres of folk narrative, folksong, folk custom and traditional material culture. **Colonnade/Statewide General Education Code E-AH | AH**
Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

FLK 280 Cultural Diversity in the U S 3 Hours

Understanding, interpretation and appreciation of the multicultural nature of American society. Emphasis on the varieties of cultural expression, custom and world view practiced by regional, ethnic, racial and sectarian cultures. **Colonnade/Statewide General Education Code K-SC**
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2021; fall 2021; spring 2022; fall 2022

FLK 281 Roots of Southern Culture 3 Hours

Examination of Southern folklore and folklife as part of the foundation of contemporary Southern culture.
Recent Term(s) Offered: spring 2020

FLK 310 Community Traditions & Global Corporate Culture 3 Hours

Multicultural study of community traditions and corporate culture in the global world.
Recent Term(s) Offered: None

FLK 330 Cultural Connections and Diversity 3 Hours

Service learning course that examines the diversity of American culture and engages students in activities to develop skills in working with a variety of cultural groups. **Colonnade/Statewide General Education Code K-SC**
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: fall 2022

FLK 340 Peoples and Cultures of Latin America 3 Hours

Study of the history and development of present cultures in Latin America with emphasis on economics, politics, religion, folklife and world view of indigenous, peasant and urban peoples.
Equivalent(s): ANTH 340
Recent Term(s) Offered: None

FLK 341 People and Cultures of Asia 3 Hours

Study of the cultures of South, East, and Southeast Asia with emphasis on origins, prehistoric and historic migrations, ecology and subsistence patterns, and the origins and evolution of the major civilizations of India, China, Japan, and Vietnam. Topics include kinship and the family, religion, social organization, gender, economy, colonialism and independence, globalization and development, and maintenance of traditions in modern contexts.
Equivalent(s): ANTH 341
Recent Term(s) Offered: None

FLK 342 Peoples and Cultures of the Caribbean 3 Hours

Examination of the variety of cultural practices and social conditions found in modern-day Caribbean societies with attention to historical roots. Topics include, but are not limited to, definition of the region, religious practices, festivals, musical traditions, migration and everyday social life and conditions. **Colonnade/Statewide General Education Code K-SY**
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Equivalent(s): ANTH 342
Recent Term(s) Offered: spring 2020; spring 2022; summer 2022

FLK 345 People and Cultures of Native North America 3 Hours

Survey of the cultures of the original peoples of North America, with emphasis on the ethnographic present.
Equivalent(s): ANTH 345
Recent Term(s) Offered: None

FLK 350 Peoples and Cultures of Africa 3 Hours

Survey of the cultures of Africa, with emphasis on historical development and contemporary cultural diversity.
Equivalent(s): AFAM 350, ANTH 350
Recent Term(s) Offered: None

FLK 371 Urban Folklore 3 Hours

Varieties and characteristics of urban American folklore with emphasis on legends, customs, beliefs, and other lore of today's regional, occupational, and ethnic groups.
Recent Term(s) Offered: None

FLK 373 Folklore and the Media 3 Hours

Variety and characteristics of folklore in the media including newspapers, television, magazines, comics, movies, photographs, cartoons, and advertisements. **Colonnade/Statewide General Education Code K-LG**
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

FLK 377 African-American Folklore 3 Hours

Oral, written, and material folk traditions of African-Americans, with emphasis on the United States and the Caribbean.
Equivalent(s): AFAM 377
Recent Term(s) Offered: spring 2022

FLK 378 Southern Appalachian Folklife 3 Hours

Folklife of southern Appalachia, as reflected in the material folk culture, in traditional folk customs and practices, legends, anecdotes, songs, language, and literature.
Equivalent(s): ANTH 378
Recent Term(s) Offered: None

FLK 379 Topics in Folklore 3 Hours

A consideration of special topics to acquaint students with significant problems and current issues in folklore. Content will vary from time to time according to the instructor and the needs of the students.

Recent Term(s) Offered: None

FLK 388 Foodways 3 Hours

Exploration of the relationship between food and culture. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Equivalent(s): ANTH 388

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

FLK 399 Field Methods in Ethnography 3 Hours

An examination of the history, theory, techniques, and ethics of ethnographic fieldwork, including practical fieldwork experience.

Equivalent(s): ANTH 399

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

FLK 400 Ethnomusicology 3 Hours

Survey of the concepts and methods of ethnomusicology. Topics include history of ethnomusicology, transcription and analysis, musicians, musical instruments, music acculturation, and the function of music in society.

Equivalent(s): ANTH 400

Recent Term(s) Offered: None

FLK 410 African-American Music 3 Hours

A survey of selected musical styles created and developed by African-Americans from the 17th to the 20th century: spirituals, blues, popular music forms (e.g. soul, reggae, rap music). Emphasis will be placed on the historical factors and socio-cultural trends that influenced the development of African-American music.

Equivalent(s): AFAM 410, ANTH 410

Recent Term(s) Offered: None

FLK 430 Oral History 3 Hours

Methods and theories of oral history, legal and ethical considerations, uses and planning of local oral history projects. This course requires off-campus travel.

Recent Term(s) Offered: spring 2022

FLK 434 Historic Preservation 3 Hours

An overview of historic preservation methods and practice. The course will include an overview of the historic preservation movement in the United States and an examination of preservation law and methodology. A field project is required.

Equivalent(s): GEOG 434

Recent Term(s) Offered: None

FLK 445 American Architectural History 3 Hours

An interdisciplinary survey of American architectural history, including trends and styles, architect designed and manufactured structures and elements, and the social history of American architecture.

Equivalent(s): ART 445

Recent Term(s) Offered: spring 2021

FLK 462 Folklore and Medicine 3 Hours

This course examines the role of traditional culture in shaping attitudes and behavior related to sickness, health, and healing. Institutional, alternative, and informal medical settings are discussed.

Equivalent(s): PH 462

Recent Term(s) Offered: None

FLK 464 Vernacular Architecture 3 Hours

The forms, functions, and styles of buildings constructed according to custom from local materials to meet individual and cultural preferences.

Recent Term(s) Offered: fall 2020

FLK 470 Museum Procedures and Preservation Techniques 3 Hours

Essential aspects of museums and of preservation, i.e., collecting, preserving, researching, exhibiting, and interpreting material culture.

Equivalent(s): ANTH 470

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

FLK 477 Folk Arts and Technology 3 Hours

Folklife research in selected world culture groups, with emphasis on folk crafts, technology, and architecture in the United States prior to their absorption into industrialization. Special reference to northwest European antecedents, sources, and parallels.

Recent Term(s) Offered: fall 2021; fall 2022

FLK 478 Folklore and Literature 3 Hours

Readings in world literature from the Bible to the modern novel and examination of the degree to which oral literature has affected origins and development of written literature.

Recent Term(s) Offered: spring 2020

FLK 479 Directed Independent Research in Folklore 3 Hours

(repeatable max of 6 hrs)

Supervised individual study directed by a member of the Folk Studies faculty. NOTE: course pass required.

Recent Term(s) Offered: None

FLK 480 Women's Folklife 3 Hours

The various images and roles of women in the U.S. and selected world cultures as reflected in folklife materials such as narratives, beliefs, ballads, rhymes, games, customs, and folk arts.

Recent Term(s) Offered: fall 2020

FLK 489 Internship in Folk Studies 3 Hours

Practical out-of-classroom experience in a supervised work situation with a cooperating business, industry, social or governmental agency emphasizing application of advanced knowledge and skills in folk studies. NOTE: course pass required.

Recent Term(s) Offered: summer 2021; fall 2021

French (FREN)

FREN 100 French Language and Culture On-Site 1-3 Hours

(repeatable max of 3 hrs)

An introduction to French and French-speaking culture in conjunction with study abroad for students with little or no previous language study. Note: Permission of instructor is required.

Recent Term(s) Offered: None

FREN 101 Elementary French I 3 Hours

Recent Term(s) Offered: None

FREN 102 Elementary French II 3 Hours

Continuation of the development of the four basic skills and cultural insights. Fulfills World Language with a grade of C or better.

Prerequisite(s): (FREN 101 or AVANT Lang French Placement with a score of 2 or LPROF: FRENCH Composite with a score of 2)

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

FREN 105 Introduction to French Culture 3 Hours

Survey of the contemporary culture of France, with emphasis on values, behavioral characteristics, social and political structures, and achievements of the French-speaking people. Taught in English; only taught abroad.

Recent Term(s) Offered: None

FREN 201 Intermediate French I 3 Hours

Expansion of grammatical knowledge and practice in oral and written expression. Fulfills World Language with a grade of C or better.

Prerequisite(s): (FREN 102 or AVANT Lang French Placement with a score of 3)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

FREN 202 Intermediate French II 3 Hours

Continuation of oral and written practice, vocabulary building and introduction to the reading of literary or cultural texts. Fulfills World Language with a grade of C or better.

Prerequisite(s): (FREN 201 or AVANT Lang French Placement with a score of 4)

Recent Term(s) Offered: spring 2020; spring 2021; fall 2022

FREN 210 Intermediate French Conversation Abroad 1-3 Hours
(repeatable max of 3 hrs)

Course designed to develop the vocabulary and communication skills of a student with one year of college French or equivalent, with emphasis on contact with French native speakers. FREN 210 may not substitute for FREN 201 or FREN 202, but may count as an elective for the major or minor. Taught in French. Fulfills World Language with a grade of C or better.

Prerequisite(s): (FREN 102 or AVANT Lang French Placement with a score of 3)

Recent Term(s) Offered: None

FREN 211 French Culture Abroad 1-3 Hours (repeatable max of 3 hrs)

Course designed to develop an appreciation for different aspects of France and its people and culture, for a student with one year of college French or equivalent. FREN 211 may not substitute for FREN 201 or FREN 202, but may count as an elective for the major or minor. Taught in French. Fulfills World Language with a grade of C or better.

Prerequisite(s): (FREN 102 or AVANT Lang French Placement with a score of 3)

Recent Term(s) Offered: None

FREN 306 Experiencing French Abroad 1-6 Hours (repeatable max of 6 hrs)

Supervised language and cultural studies accomplished during a study abroad program. Students who receive transferable credit for language study done during the study abroad program will receive credit only for cultural study. Fulfills World Language with a grade of C or better. Note: Enrollment in supervised language study while aboard required.

Prerequisite(s): (FREN 202 or AVANT Lang French Placement with a score of 5)

Recent Term(s) Offered: summer 2022

FREN 314 Introduction to French Literature 3 Hours

This course is intended to develop adequate reading skills to enable the student to succeed in literature courses. Texts from the theatre, poetry, short stories and selections from novels will be read. Fulfills World Language with a grade of C or better. **Colonnade/Statewide General Education Code AH**

Prerequisite(s): (FREN 202 or AVANT Lang French Placement with a score of 5)

Recent Term(s) Offered: None

FREN 320 French Grammar and Composition 3 Hours

A comprehensive study of French grammar based on classroom explanation and drill and written translation of texts especially prepared to illustrate grammar under discussion. Fulfills World Language with a grade of C or better.

Prerequisite(s): (FREN 202 or AVANT Lang French Placement with a score of 5)

Recent Term(s) Offered: fall 2020

FREN 321 French Conversation 3 Hours

Exercises in pronunciation, comprehension and composition. Thorough review of language usage. Ample opportunity for conversation. Entirely in French. Fulfills World Language with a grade of C or better.

Prerequisite(s): (FREN 202 or AVANT Lang French Placement with a score of 5)

Recent Term(s) Offered: spring 2021; summer 2022

FREN 322 Translation 3 Hours

A concentrated study of the intricacies and processes of translation work (both French to English and English to French) for literary and non-literary materials. Fulfills World Language with a grade of C or better.

Prerequisite(s): (FREN 202 or AVANT Lang French Placement with a score of 5)

Recent Term(s) Offered: None

FREN 323 French Civilization and Culture 3 Hours

Readings, discussion, lectures, films, oral and written reports on different aspects of France and its people and culture. Fulfills World Language with a grade of C or better. **Colonnade/Statewide General Education Code AH**

Prerequisite(s): FREN 202 or AVANT Lang French Placement with a score of 5

Recent Term(s) Offered: spring 2020

FREN 325 Survey of French Literature I 3 Hours

Reading of French literary texts representing the masterpieces of this important branch of French civilization; lectures on literary history and criticism. The period covered is from 842 AD to the end of the 18th century. Fulfills World Language with a grade of C or better.

Prerequisite(s): (FREN 202 or AVANT Lang French Placement with a score of 5)

Recent Term(s) Offered: None

FREN 326 Survey of French Literature II 3 Hours

Reading of French literary texts representing the masterpieces of this important branch of French civilization; lectures on literary history and criticism. The period covered is the 19th and 20th centuries. Fulfills World Language with a grade of C or better.

Prerequisite(s): (FREN 202 or AVANT Lang French Placement with a score of 5)

Recent Term(s) Offered: None

FREN 328 French Diction and Pronunciation 3 Hours

Mastery of fluent French diction and pronunciation through intensive practice with sounds, stress, rhythm, linking, phrasing, and intonation. Fulfills World Language with a grade of C or better.

Prerequisite(s): (FREN 202 or AVANT Lang French Placement with a score of 5)

Recent Term(s) Offered: fall 2020

FREN 331 Business French 3 Hours

Introduction to business communication in the French speaking countries. Linguistic structures and vocabulary, forms of business communication, reading and discussion of business texts, social customs. Fulfills World Language with a grade of C or better.

Prerequisite(s): (FREN 202 or AVANT Lang French Placement with a score of 5)

Recent Term(s) Offered: None

FREN 389 Internship in French 1-3 Hours (repeatable max of 6 hrs)

Supervised work using French in a professional setting. Fulfills World Language with a grade of C or better.

Prerequisite(s): (FREN 202 or AVANT Lang French Placement with a score of 5)

Restriction(s): Enrollment is limited to students in French (365) or French (665)

Recent Term(s) Offered: None

FREN 420 Advanced French Composition and Stylistics 3 Hours

Creative self-expression in written French, refinement of grammatical understanding, introduction to the art of translation and an examination of selected texts to study stylistic devices. Fulfills World Language with a grade of C or better.

Prerequisite(s): (FREN 202 or AVANT Lang French Placement with a score of 5)

Recent Term(s) Offered: None

FREN 421 Advanced French Conversation 3 Hours

Free classroom discussion on assigned topics and reports on newspaper and magazine articles of current interest. Special attention will be paid to idiomatic expressions. Fulfills World Language with a grade of C or better.

Prerequisite(s): (FREN 202 or AVANT Lang French Placement with a score of 5)

Recent Term(s) Offered: spring 2020

FREN 426 French Literature of the Twentieth Century 3 Hours

A study of the works of major French writers of the 20th century. Fulfills World Language with a grade of C or better.

Prerequisite(s): (FREN 314 or FREN 325 or FREN 326)

Recent Term(s) Offered: summer 2022

FREN 427 Francophone Culture 3 Hours

Course will cover all francophone countries (including France) and deal with various aspects of their culture: oral literature. Fulfills World Language with a grade of C or better.

Prerequisite(s): (FREN 314 or AVANT Lang French Placement with a score of 6)

Recent Term(s) Offered: spring 2021

FREN 445 French Canadian Literature 3 Hours

A survey of the Quebecois novel, theatre and poetry through a selection of 19th and 20th century writers. Fulfills World Language with a grade of C or better.

Prerequisite(s): (FREN 314 or FREN 321 or FREN 325 or FREN 326 or AVANT Lang French Placement with a score of 6)

Recent Term(s) Offered: None

FREN 450 Topics in Francophone Cinema 3 Hours (repeatable max of 6 hrs)

Course examines the way Francophone film directors and social scientists look at various aspects of the most recent cinema: narrative structure, recurring patterns, relation of form to content and ideology. Taught in French. Fulfills World Language with a grade of C or better.

Prerequisite(s): (FREN 314 or AVANT Lang French Placement with a score of 6)

Recent Term(s) Offered: fall 2020

FREN 499 Advanced Studies in French 1-4 Hours (repeatable max of 6 hrs)

For guided independent study in culture, language, or literature. May be used with consent of full-time program faculty members for work accomplished during study abroad. Number of credit hours will be determined in consultation with instructor. Fulfills World Language with a grade of C or better. Note: Permission of instructor is required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021

Gender & Women's Studies (GWS)

GWS 200 Introduction to Gender And Women's Studies 3 Hours

Drawing on historical perspectives and cultural analysis, this course examines such topics as women and work, violence against women, family, and the social construction of gender, sexuality, race, and class.

Colonnade/Statewide General Education Code E-SB | SB

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

GWS 321 Women and Journalism 3 Hours

Survey of women's contributions to journalism, including historical and contemporary challenges women face in the profession, mainstream news media coverage of women's issues, examples of women's work in various news genres, global feminist news coverage, and the depiction of women journalists in film and literature.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: None

GWS 350 Feminism, the Arts, and Social Change 3 Hours

An investigation into the potential of feminist arts and creative action to create community and social change. Note: Permission of instructor may be required.

Prerequisite(s): GWS 200

Recent Term(s) Offered: None

GWS 375 American Masculinities 3 Hours

Survey of the meanings of manhood in the United States, including historical, social, economic, cultural, and political influences on the development of masculine identity. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

GWS 400 Western Feminist Thought 3 Hours

This course presents the fundamental concepts embodied in Western feminist thought as it has developed from the eighteenth century to the present. It emphasizes a close analysis of individual works and critical evaluations of the assumptions and central concepts that inform the works under consideration.

Prerequisite(s): GWS 200

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; spring 2022

GWS 421 Gender, Women and Science 3 Hours

Study of women's participation in the natural and physical sciences, the scientific education of women, contemporary science workplaces, and feminist critiques of science. Note: Permission of instructor may be required and completion of Colonnade Explorations Natural and Physical Science category.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

GWS 470 Special Topics in Gender and Women's Studies 3 Hours
(repeatable max of 6 hrs)

A detailed study of a specialized topic in Gender and Women's Studies. Note: Permission of instructor required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: winter 2020; summer 2020; fall 2020; summer 2022

GWS 491 Practicum in Gender and Women's Studies 3 Hours

Practical experience volunteering with cooperating community organizations that address the needs of women or deal in some compelling way with gender issues. Note: Instructor approval required.

Prerequisite(s): GWS 200

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

GWS 499 Directed Study 1-3 Hours (repeatable max of 3 hrs)

This course is available to students who wish to conduct individual, intensive reading and research in a specific area of Gender and Women's Studies under the direction of supervising faculty. Approval required prior to enrollment.

Recent Term(s) Offered: spring 2022

Geographic Info Science (GISC)

GISC 216 Geotech in a Global Community 3 Hours

Introduces the purpose, operation and application of Geographic Information Science technologies in contemporary society. This course cannot be substituted for any other GIS course. **Colonnade/Statewide General Education Code K-LG | SB**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Course Fee: \$50

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; fall 2022

GISC 316 Fundamentals of GIS 4 Hours

Fundamentals of GIS data management and cartographic design. Topics include data organization, map projections, scale and accuracy. Hands-on work in geospatial data acquisition, base map development, and map production. Note: Permission of instructor may be required.

Prerequisite(s): (GEOG 103 or GEOL 103 or GEOL 111 or METR 121) and GEOG 110

Course Fee: \$50

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

GISC 317 Geographic Information Systems 4 Hours

The principles, concepts, and applications of GIS. Topics include raster and vector data models, GIS data sources, data acquisition, storage, management, structured query language, relational databases, GIS analysis, and display. Note: Permission of instructor may be required.

Prerequisite(s): GISC 316 with a minimum grade of C

Course Fee: \$50

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

GISC 414 Remote Sensing Fundamentals 3 Hours

Fundamentals of remote sensing theory and application including the electromagnetic spectrum, history of remote sensing, sensing platforms, system limitations, and applications for vegetation studies, land-use change, and environmental management. Course includes a lab component. Note: Permission of instructor may be required.

Prerequisite(s): GISC 317

Course Fee: \$50

Recent Term(s) Offered: spring 2022

GISC 417 GIS Analysis & Modeling 3 Hours

Develops expertise with a broad range of spatial analysis and modeling functions using GIS. A problem-oriented approach. Note: Permission of instructor may be required.

Prerequisite(s): GISC 317 with a minimum grade of C

Course Fee: \$50

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

GISC 418 Internet GIS 3 Hours

Understanding and utilizing different techniques for creating, analyzing, and disseminating GIS data and services via the Internet. Note: Permission of instructor may be required.

Prerequisite(s): CS 170 with a minimum grade of C and GISC 417 with a minimum grade of C

Course Fee: \$50

Recent Term(s) Offered: spring 2020; fall 2020

GISC 419 GIS Programming 3 Hours

Learning the process of expanding GIS functionalities. Customizing a GIS system via computer programming. Note: Permission of instructor may be required.

Prerequisite(s): GISC 317 with a minimum grade of C

Course Fee: \$50

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

GISC 423 GIS and Location Analytics 3 Hours

Explores selected issues related to urban applications of GIS. Developing analytical skills and knowledge in transportation, urban management, locational analysis and business geography. Note: Permission of instructor may be required.

Prerequisite(s): GISC 317 with a minimum grade of C

Course Fee: \$50

Recent Term(s) Offered: fall 2020; fall 2022

GISC 443 GIS Databases 3 Hours

The concepts and principles of GIS database planning, design, implementation, and administration. Focuses on the development of state-of-the-art GIS databases. Note: Permission of instructor may be required.

Prerequisite(s): CS 170 with a minimum grade of C and GISC 417 with a minimum grade of C

Course Fee: \$50

Recent Term(s) Offered: fall 2020

GISC 477 Special Topics in GIS 3 Hours (repeatable max of 6 hrs)

Applications of GIS technologies in selected technical areas such as 3D GIS and Enterprise GIS or directed research of a selected domain-specific problem. Repeatable once for credit. Note: Permission of instructor may be required.

Prerequisite(s): GISC 417 with a minimum grade of C and GISC 443 with a minimum grade of C

Course Fee: \$10

Recent Term(s) Offered: spring 2022

Geography (GEOG)

GEOG 103 Our Dynamic Planet 3 Hours

Introduction to the spatial dimension of Earth's dynamic systems and how they affect people. These include the atmosphere, hydrosphere, and lithosphere. **Colonnade/Statewide General Education Code E-NS | NS**

Equivalent(s): GEOL 103

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

GEOG 110 World Regional Geography 3 Hours

A general survey of the political, social, and ecological systems of the world. The course is concerned with the complexity and diversity of world peoples and cultures. **Colonnade/Statewide General Education Code E-SB | SB**

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

GEOG 175 University Experience-Geography 2 Hours

Transition to university experience. Topics include study skills, critical thinking skills, library education, exploration of majors and careers, degree programs, campus resources, and personal development. Special attention is given to educational requirements, careers and resources in the geosciences. Note: For beginning college freshmen or transfer students with fewer than 24 semester hours of credit.

Restriction(s): Students with a semester level of Junior, Sophomore or Senior may **not** enroll.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

GEOG 196 Phys Geog Recitation Lab 1 Hour

The physical geography recitation lab is designed to support and enhance the lecture material through practical exercises and problem solving. Map analysis is stressed, as well as critical thinking related to current issues and events. No category D Lab credit.

Corequisite(s): GEOG 100

Recent Term(s) Offered: None

GEOG 198 Regional Geog Recitation Lab 1 Hour

The world regional geography recitation lab is designed to support the lecture material through practical exercises and problem solving. Map analysis is stressed, as well as critical thinking related to current issues and events.

Corequisite(s): GEOG 110

Recent Term(s) Offered: None

GEOG 200 Latin American Society: Past and Present 3 Hours

A broad interdisciplinary introduction to the study of Latin America, emphasizing its regions, peoples, and cultures. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Equivalent(s): HIST 200, PS 200, SPAN 200, ANTH 200

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

GEOG 210 Environment and Ecological Policy 3 Hours

A survey of the geography, history, and current conditions of environmental policy and regulation development, particularly in the United States, with an emphasis on humans as an integral component of the natural environment.

Recent Term(s) Offered: None

GEOG 225 Visualizing Geography 3 Hours

Visualizing Geography uses photographs, maps, and illustrations to explain the diversity of human societies, political systems, resources, and population movement across space and time, from local communities to our increasingly interconnected world. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2020; spring 2021

GEOG 226 Our Dangerous Planet 3 Hours

Introduction to how normal Earth processes concentrate their energies to create devastating impacts to humans and the built environment, with emphasis on survival techniques. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

GEOG 227 Our Vulnerable Planet 3 Hours

Explore how anthropogenic processes such as climate change, pollution, urban sprawl, deforestation, and desertification impact the people on Earth and its ecosystems. Does not count towards a major or minor in Geography if GEOG 280 is taken as part of the degree requirements.

Colonnade/Statewide General Education Code K-SY

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; summer 2021; winter 2022; spring 2022

GEOG 275 Supervised Independent Research in Geography 1-3 Hours
(repeatable max of 6 hrs)

Restricted to freshmen, sophomores, and Gatton Academy students. A study of a selected problem under the supervision of a faculty member. Note: Permission of instructor required.

Prerequisite(s): METR 121

Recent Term(s) Offered: spring 2022

GEOG 280 Environmental Science and Sustainability 4 Hours

A general understanding of how the environment functions, the complexity of human-environmental interactions, and the application of geoscience in solving environmental problems. Lab component provides practical experiences associated with the theories outlined in the course content.. **Colonnade/Statewide General Education Code E-SL, E-NS | NS Course Fee: \$10**

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

GEOG 295 Introduction to Research Methodology 1 Hour

To familiarize Ogden Research Scholars and other research oriented students with the fundamentals of choosing a research topic, performing a bibliographical search on a subject, classification of instruments, data taking, data reduction, professional ethics and other research oriented topics. The common points of research methodology in the different scientific areas will be accentuated. Examples will be drawn from the various disciplines. Use of computers will be emphasized. (Course does not count towards any major or minor.)

Recent Term(s) Offered: None

GEOG 300 Writing in the Geosciences 3 Hours

Students conduct investigations into writing, reading, and research conventions in the geosciences and receive advanced instruction in planning, drafting, arranging, revising, and editing geoscience-specific essays and research projects. **Colonnade/Statewide General Education Code F-W2 | WC**

Prerequisite(s): GEOG 110 and ENG 100 and (GEOG 103 or GEOL 103 or GEOL 111 or METR 121)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

GEOG 310 Global Hydrology 3 Hours

An introduction to descriptive and quantitative hydrology. The hydrologic cycle precipitation, evaporation, and transpiration are covered under descriptive hydrology. Hydrographs, runoff relations, groundwater, and storage routing are covered under quantitative hydrology.

Prerequisite(s): (GEOL 111 or GEOG 103 or GEOL 103)

Equivalent(s): GEOL 310

Recent Term(s) Offered: None

GEOG 328 Elements of Biogeography 3 Hours

An examination of the spatial interaction and distribution of global biomes. This course examines, through examples at a variety of spatial and ecological scales, the development of human-induced and naturally-occurring biogeographical changes.

Recent Term(s) Offered: spring 2022

GEOG 330 Introduction to Cultural Geography 3 Hours

An overview of core concepts in cultural geography based on five major themes: region, mobility, globalization, nature-culture, and cultural landscape. Field trips required. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

GEOG 344 Environmental Ethics 3 Hours

Examination of how environmental ethics and philosophy determine the use and alteration of the natural environment by humans. Analysis of human responsibility towards protecting the environment, environmental decision-making, sustainable development, and respect for indigenous cultures.

Prerequisite(s): GEOG 280

Recent Term(s) Offered: None

GEOG 350 Economic Geography 3 Hours

This course examines the functional interrelationships among economic activities and areas in the consumption, production, and exchange of goods and services. **Colonnade/Statewide General Education Code SB**

Recent Term(s) Offered: None

GEOG 352 Geography of Kentucky 3 Hours

No course description is available

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

GEOG 360 Geography of North America 3 Hours

Analysis of selected problems related to natural conditions, land use, settlement patterns, and regional structure of the United States and Canada. **Colonnade/Statewide General Education Code SB**

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

GEOG 364 Geography of Europe 3 Hours

A geographic analysis of Europe. Aspects of regional integration, with a focus on the European Community, and problems of economic growth in disadvantaged regions.

Prerequisite(s): GEOG 110

Recent Term(s) Offered: None

GEOG 378 Food, Culture, and Environment 3 Hours

Exploration of geographical patterns of agricultural production and cuisine through the intersection of environment, technology and culture. Field trips required. Students will share the cost of several meals.

Colonnade/Statewide General Education Code K-LG

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Course Fee: \$15

Recent Term(s) Offered: spring 2020

GEOG 380 Global Sustainability 3 Hours

An introduction to the major themes and scientific principles of sustainability, with an emphasis on developing critical thinking skills.

Colonnade/Statewide General Education Code K-LG

Prerequisite(s): (GEOG 280 21 hours of Foundations and Explorations Courses, or junior status and (GEOG 280 with a minimum grade of C or GEOG 103 or GEOL 103)

Recent Term(s) Offered: spring 2020; spring 2021

GEOG 385 Climate, Resources, & Society 3 Hours

Discussion of global climate change from a societal and resources perspective; particularly how humans affect global climate change through population size, natural resource use, policy implementation, personal behavior, and societal norms, and vice versa. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status and (GEOG 103 or GEOG 110 or GEOG 280)

Equivalent(s): EDU 385

Recent Term(s) Offered: None

GEOG 386 Geography of Potent Potables: Brewing, Distilling, and Wine Making 3 Hours

Students explore the geographies of alcoholic beverages, including the patterns of production, distribution, and consumption of beer, distilled spirits, and wine, and associated cultural and environmental impacts. Breweries, wineries, and distilleries are important elements of many diverse cultural and economic landscapes and reflect local geographies and global influences. The role of location is explored as it relates to such topics as access to raw materials, terroir, the rise of craft breweries and distilleries, sustainability, and cultural attitudes toward the production and consumption of alcoholic beverages. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

GEOG 391 Geoscience Data Analysis 4 Hours

Statistical concepts and methods emphasizing their applications in a spatial context. Statistical description and hypothesis testing. Visualization analysis of spatial patterns and relationships. Note: Special permission of instructor may be required.

Prerequisite(s): (MATH 183 or MATH 136) and GISC 316

Course Fee: \$50

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; spring 2022; fall 2022

GEOG 420 Geomorphology 3 Hours (repeatable max of 4 hrs)

The study of the origin, history, and characteristics of landforms produced by fluvial, glacial, wind, and wave erosion and mass-wasting and ground water or by a combination of these, acting upon the major types of earth materials and structures. Laboratory work includes the interpretation of topographic and geologic maps, air photos, and stereopairs. A field trip may be required. .

Prerequisite(s): (GEOL 111 or GEOG 103 or GEOL 103)

Equivalent(s): GEOL 420

Recent Term(s) Offered: None

GEOG 425 Political Geography 3 Hours

A study of the political system as a spatial phenomenon from pre-literate forms and socio-political integration to the nation-state and other modern forms of political unification. Examples from local, metropolitan-regional, national, and international levels. Note: Permission of instructor required.

Recent Term(s) Offered: spring 2021

GEOG 427 Water Resource Management 3 Hours

Examines the use, management, and conservation of water resources. Discusses environmental, economic, political, and social implications of water usage, as well as emerging trends in water availability, pollution, regulation, and technology.

Prerequisite(s): (GEOL 310 or GEOG 310)

Recent Term(s) Offered: fall 2021

GEOG 430 Topics in Cultural Geography 3 Hours

Examines the concept of culture as it relates to the geographic landscape. Topics include the built environment, symbolic landscapes, representation of place in film, literature, photography, music, subaltern geographies, landscapes, and cultures of work and place-situated identity. Course provides an overview of research methods and themes in cultural geography. Field trip and field research required.

Prerequisite(s): GEOG 330

Recent Term(s) Offered: None

GEOG 434 Historic Preservation Planning 3 Hours

An overview of historic preservation methods and practice. The course will include an overview of the historic preservation movement in the United States and an examination of preservation law and methodology. A field project is required.

Equivalent(s): FLK 434

Recent Term(s) Offered: None

GEOG 452 Applied Geoscience Field Experiences 1-6 Hours

(repeatable max of 12 hrs)

Applied geoscience experiences in a variety of field-based settings, including, but not limited to, Study Abroad and Study Away programs, field camps, and extended fieldtrips to national or international settings.

Colonnade/Statewide General Education Code K-LG

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020

GEOG 455 Global Climate Change 3 Hours

Explores the science behind global climate change, including how models, observations, and proxies are used to understand and predict past and future climate, international perspectives on global climate change, and mitigation strategies put forth by the Intergovernmental Panel on Climate Change. Note: Permission of instructor may be required.

Prerequisite(s): GEOG 280

Recent Term(s) Offered: fall 2020; fall 2022

GEOG 459 Advanced Hydrology 3 Hours

Builds upon the principles of descriptive and quantitative hydrology using a geologic- and calculus-based approach to understanding the Earth's hydrologic cycle. Includes components of atmospheric, surface, and ground waters and the principles of fluid dynamics that govern the physical and chemical processes that affect water and its behavior in the natural world.

Prerequisite(s): MATH 136 with a minimum grade of C and (GEOG 310 or GEOL 310) or (GEOG 420 or GEOL 420)

Recent Term(s) Offered: None

GEOG 461 Karst Environments 3 Hours

Provides a fundamental understanding of karst, focusing on the processes, landforms, and evolution of karst landscapes over time, with an emphasis on the characterization, distribution, and function of various karst environments. Field trips and field-based exercises are required.

Note: Permission of instructor may be required.

Prerequisite(s): (GEOG 310 or GEOL 310) or GEOG 420

Recent Term(s) Offered: spring 2020

GEOG 462 Geography of South America 3 Hours

Analysis of the physical and cultural bases of South America's geographical patterns with an emphasis on problems of urban and regional development. Note: Permission of instructor required.

Recent Term(s) Offered: None

GEOG 465 Geography of East Asia 3 Hours

Analysis of selected contemporary geographic issues in East Asia. Emphasis is on a synthesis of various geographic factors and phenomena, including physical, cultural, political, social, and economic systems.

Prerequisite(s): GEOG 110

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

GEOG 466 Geography of Africa 3 Hours

A geographic survey assessing the relationships of the physical and cultural patterns to actual and potential economic development. Note: Permission of instructor required.

Equivalent(s): AFAM 466

Recent Term(s) Offered: None

GEOG 467 Geography of the Middle East 3 Hours

This course deals with the various aspects of the sequent occupancy of southwestern Asia and surrounding regions. Emphasized are the physical setting, the historic religious geography of the region, and the contemporary scene. Note: Permission of instructor.

Recent Term(s) Offered: None

GEOG 471 Technological Applications in Natural Resource Management 3 Hours

Examines the application of technology to address current resource management challenges and ensure the efficient utilization of natural resources. Discussions may address, but are not limited to, timber, fisheries, oil and gas, and wildlife management. Note: Permission of instructor may be required. **Colonnade/Statewide General Education Code SB**

Prerequisite(s): GEOG 280 and GISC 316

Recent Term(s) Offered: None

GEOG 474 Environmental Planning Applications 3 Hours

Integrative topics in environmental science, sustainability, and planning. Emphasis on sustainable community planning and development in urban and rural settings. Students study current models and policies from around the globe. Note: Permission of instructor may be required.

Prerequisite(s): GEOG 280 and GEOG 210

Recent Term(s) Offered: fall 2022

GEOG 475 Selected Topics in Geography 1-3 Hours

A study of a selected problem under the supervision of a faculty member. Note: Permission of instructor may be required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

GEOG 480 Sustainable Cities 3 Hours

This course explores the consequences of urban development and the essentials of sustainable urbanism. Topics include environmental and human costs of urbanization, landscape change, mobility, and urban responses to climate change. **Colonnade/Statewide General Education Code SB**

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

GEOG 481 Tourism Geography 3 Hours

Examination of concepts, models, and theories in the geography of tourism. Topics include the evolution of patterns of tourism, economic, environmental, and socio-cultural impacts of tourism, sustainable tourism, environmental tourism, ethical tourism, the politics of tourism, and critical analysis of alternative meanings of tourism sites. Local, national, and international examples in both developed and developing countries are discussed. Field trips may be required.

Prerequisite(s): GEOG 110

Recent Term(s) Offered: None

GEOG 486 Seminar in Environmental Science and Sustainability 1-3 Hours (repeatable max of 6 hrs)

Current issues related to sustainability and/or environmental science discussed via invited lecturers, community engagements, and/or department and university-wide seminars. Students are expected to participate in assigned seminar activities throughout the duration of the course.

Recent Term(s) Offered: spring 2021

GEOG 487 Environmental Management and Law 3 Hours

Examination of major legislative, administrative, and judicial management approaches to addressing current environmental conditions related, but not limited to, natural resource consumption and air, water, and hazardous pollutants in the United States and abroad. Note: GEOG 210 required for Geography majors and minors.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020

GEOG 489 Alternatives in Sustainability 3 Hours (repeatable max of 6 hrs)

Addresses aspects of sustainability theory and practice, including problem-solving and decision-making techniques and critical analyses of prominent sustainability plans. Content focuses on a single topic within the sustainability discipline for the entirety of the course.

Prerequisite(s): GEOG 280

Recent Term(s) Offered: None

GEOG 492 Advanced Geospatial Analytics 3 Hours

Applying advanced spatial analytical techniques in GIS environment. Quantitative analysis in Geosciences is emphasized. Note: Permission of instructor may be required.

Prerequisite(s): GEOG 300 with a minimum grade of C and GEOG 391 with a minimum grade of C

Course Fee: \$50

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

GEOG 495 Research Practicum or Internship 1-9 Hours (repeatable max of 12 hrs)

Supervised research or internship with faculty, government, community, or private concerns. May be repeated for a maximum of 12 credit hours in the major, with a maximum of 6 credit hours permitted in minor programs. Note: Permission of instructor required.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

GEOG 499 Professional Preparation 1 Hour

Professional career or graduate school preparation, resume writing, college-to-career transition, professional ethics, graduate school application and requirements, written senior assessment, and selected seminar topics. Outside speakers from industry and academia will be included.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2020; fall 2021

Geology (GEOL)

GEOL 103 Our Dynamic Planet 3 Hours

Introduction to the spatial dimension of Earth's dynamic systems and how they affect people. These include the atmosphere, hydrosphere, and lithosphere. **Colonnade/Statewide General Education Code E-NS | NS Equivalent(s):** GEOG 103

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022; fall 2022

GEOL 106 Geology and Cinema 1.5 Hour

Examines how Hollywood depicts geology and geologists in movies. Addresses facts and fallacies in selected movies and in so doing explores basic geological processes and Earth materials. No credit for the Geology major or minor.

Recent Term(s) Offered: None

GEOL 107 Backyard Geology 1.5 Hour

Applies basic geologic principles to local surroundings. Explains how geologic processes create local rock forms and structures. Field trips required. No credit for the Geology major or minor.

Recent Term(s) Offered: None

GEOL 111 The Earth 3 Hours

The study of Earth including rocks, mineral resources, energy, soils, surface geologic processes, earthquakes and Earth's interior, global tectonics, hydrology, and environmental geology. Students electing to meet their general education laboratory requirement through GEOL 113 must simultaneously enroll in the GEOL 111 lecture course. Laboratory is required for Geology majors, minors, and some prospective science teachers, but is optional for most others. **Colonnade/Statewide General Education Code E-NS | NS**

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

GEOL 112 Earth's Past and Future 3 Hours

Deep time study of Earth, life, and climate to understand how the planet - our only home - has changed in the past and what this means for the future of human species. Students electing to meet their general education laboratory requirement through GEOL 114 must simultaneously enroll in GEOL 112. Laboratory (GEOL 114) is required for Geology majors and some prospective science teachers, but is optional for most others. **Colonnade/Statewide General Education Code E-NS | NS**
Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

GEOL 113 The Earth Laboratory 1 Hour

Laboratory work designed to accompany GEOL 111. Minerals, rocks, topographic maps, geologic maps, and aerial photographs are studied. This laboratory is required for Geology majors, minors and some prospective science teachers, but is optional for most others. **Colonnade/Statewide General Education Code E-SL | SL**

Prerequisite(s): (GEOL 111 (may be taken concurrently) or GEOG 103 (may be taken concurrently) or GEOL 103 (may be taken concurrently))

Course Fee: \$15

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

GEOL 114 Earth's Past and Future Lab 1 Hour

To make it concise and to reflect corresponding changes in GEOL 112 listing. However, the learning objective for the course will remain unchanged. **Colonnade/Statewide General Education Code E-SL | SL**

Prerequisite(s): GEOL 112 (may be taken concurrently)

Course Fee: \$15

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

GEOL 250 Environmental Geology 3 Hours

Survey of the geologic principles in relation to environmental problems arising from human actions. Topical environmental issues controlled by whole Earth processes, and the use of geologic knowledge in their remediation will be investigated. **Colonnade/Statewide General Education Code E-SL, E-NS | NS, SL**

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

GEOL 270 Analytical Techniques in Geology 3 Hours

Basic analytical techniques used to examine and analyze Earth materials. Topics include precision and accuracy, sample preparation, contamination, calibration techniques, analysis of data sets. Note: Permission of instructor may be required.

Prerequisite(s): GEOL 111 and GEOL 112

Course Fee: \$50

Recent Term(s) Offered: None

GEOL 295 Introduction to Research Methodology 1 Hour

To familiarize Ogden Research Scholars and other research oriented students with the fundamentals of choosing a research topic, performing a bibliographical search on a subject, classification of instruments, data taking, data reduction, professional ethics and other research oriented topics. The common points of research methodology in the different scientific areas will be accentuated. Examples will be drawn from the various disciplines. Use of computers will be emphasized. Course does not count toward any major or minor. Note: Ogden Research Scholar, or 3.2 grade point average at the end of freshman year, or OCSTH faculty member recommendation.

Equivalent(s): CS 295, PHYS 295, MATH 295, CHEM 295, ENGR 295, BIOL 295

Recent Term(s) Offered: None

GEOL 301 Geology and Climate: Past and Future 3 Hours

Survey of Earth's past climate changes, the present state, and what these mean for the future of our planet – our only home. Factors and processes that influence Earth's climate over a variety of timescales are examined.

Colonnade/Statewide General Education Code K-SY

Prerequisite(s): (GEOL 103 or GEOG 103 or GEOL 111 or GEOL 112) and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

GEOL 305 Earth System Science for Teachers 3 Hours

Collaborative, problem-based learning (PBL) experience, using real-world examples to enhance student understanding of earth system science, with a focus on relevance in science teaching grades K-12. Includes PBL-based lesson plan development. Applicable towards a major in Geology only for those students seeking teacher certification.

Prerequisite(s): (GEOL 111 and GEOL 113) or (GEOL 112 and GEOL 114)

Recent Term(s) Offered: fall 2020

GEOL 310 Global Hydrology 3 Hours

An introduction to descriptive and quantitative hydrology. The hydrologic cycle, precipitation, evaporation, and transpiration will be covered under descriptive hydrology. Hydrographs, runoff relations, ground water, and storage routing will be covered under quantitative hydrology. Consideration is given to use and management of water as a resource.

Prerequisite(s): (GEOL 111 or GEOG 103 or GEOL 103)

Equivalent(s): GEOG 310

Recent Term(s) Offered: fall 2020

GEOL 311 General Oceanography 3 Hours

A course in basic fundamentals pertaining to the geological, chemical, physical and biological aspects of the marine environment. Topics for discussion include the topography, structure and history of the ocean basins and their margins, ocean waters and oceanic circulation, tides and waves, marine geochemistry, ocean sediments and sedimentation, near-shore geologic processes and the ocean as a biogeochemical system. The resources of the ocean and the influence of humans are also considered. Note: Permission of instructor may be required.

Prerequisite(s): GEOL 111 and GEOL 113

Course Fee: \$15

Recent Term(s) Offered: spring 2020; spring 2021

GEOL 315 Energy, Climate and Carbon 3 Hours

Energy, Climate and Carbon investigates our current reliance upon carbon-based sources of energy, the effect of fossil-fuel emissions on the environment and climate at local-to-global scales, and current efforts to limit fossil-fuel emissions and global climate change. The course is particularly focused on carbon-capture technologies, geological carbon sequestration and renewable energy resources.

Colonnade/Statewide General Education Code K-SY

Prerequisite(s): (GEOL 111 or GEOL 112 or GEOL 103 or GEOG 103) and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; spring 2021

GEOL 325 Introduction to Minerals and Crystalline Rocks 3 Hours

The sight identification of minerals and crystalline rocks is stressed. The description, origin and classification, economic uses, and occurrences of the major mineral and crystalline rock groups are discussed. Appropriate rock and mineral specimens are examined in the laboratory.

Prerequisite(s): (GEOG 103 or GEOL 103 or GEOL 111) and GEOL 113

Recent Term(s) Offered: None

GEOL 330 Mineralogy 4 Hours (repeatable max of 4 hrs)

The systematic study of minerals. Includes crystallography, crystal chemistry, mineral stability, the classification of minerals, and the origin, characteristics and occurrences of the major mineral groups. Laboratory work includes crystal symmetry, mineral identification, and an introduction to the optical microscope. A field trip may be required. Note: One semester of college chemistry or permission of instructor required.

Prerequisite(s): GEOL 111 and GEOL 113

Course Fee: \$35

Recent Term(s) Offered: fall 2020; fall 2021

GEOL 350 Mineralogy and Petrology 4 Hours (repeatable max of 4 hrs)

The study of the origin, characteristics, formative processes, and classification of minerals, and igneous and metamorphic rocks. Their occurrence in relation to plate tectonics is stressed. Laboratory work includes mineral identification, and petrographic study of igneous and metamorphic rocks in hand specimen and in thin section. A field trip may be required.

Prerequisite(s): GEOL 111 and GEOL 113

Course Fee: \$35

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

GEOL 360 Sedimentology and Stratigraphy 4 Hours

Introduces sedimentary processes, including sediment origins, erosion, transportation, deposition, and diagenesis. Sedimentation patterns and stratigraphic architecture are studied in the context of depositional and tectonic settings.

Prerequisite(s): GEOL 112 and GEOL 114

Course Fee: \$40

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

GEOL 380 Introductory Field Techniques 3 Hours

Techniques of geological field work. Topics include sampling, rock identification and description, field notes, and the transition from field to laboratory analysis. Field work is required.

Prerequisite(s): GEOL 111 and GEOL 113

Course Fee: \$50

Recent Term(s) Offered: fall 2020; spring 2022

GEOL 399 Research Problems in Geology 1-3 Hours (repeatable max of 3 hrs)

Individual research projects are conducted under faculty supervision. May be repeated with a change of content, but only 3 hours will be counted toward the major. A written report is required. Note: Permission of research project director.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

GEOL 405 Paleontology 4 Hours (repeatable max of 4 hrs)

A basic course in paleobiology including the nature of the fossil record, preservation, basic factors and theories relating to the origin and development of living systems and the process of evolution, the species concept, systematics, and paleoecology. Major invertebrate taxa with a significant fossil record are also studied. Laboratory work includes the examination, description, and classification of fossil specimens. Note: Permission of instructor may be required.

Prerequisite(s): GEOL 112 and GEOL 114 and BIOL 122 and BIOL 123

Course Fee: \$40

Recent Term(s) Offered: None

GEOL 408 Structural Geology 4 Hours (repeatable max of 4 hrs)

This course introduces the mechanics, characteristics, occurrences, and resultant structures associated with the major processes of deformation of the earth's crust. Major structural regions of North America are discussed. The laboratory emphasizes graphical and mathematical solutions of structural problems. Field trip required.

Prerequisite(s): GEOL 111 and GEOL 113

Course Fee: \$40

Recent Term(s) Offered: spring 2020; spring 2021; fall 2022

GEOL 415 Applied Environmental Geology 3 Hours

The interrelationships of geologic processes, earth materials, and human activities. Assessment of geologic factors with respect to site selection, energy production, land use, waste disposal, planning, water resources, engineering practices, and the recognition and control of geologic hazards. Class exercises stress the application of geologic knowledge to specific environmental situations. Note: Permission of instructor may be required.

Prerequisite(s): GEOL 111 and GEOL 113

Recent Term(s) Offered: spring 2021; fall 2022

GEOL 420 Geomorphology 3 Hours (repeatable max of 4 hrs)

The study of the origin, history, and characteristics of landforms produced by fluvial, glacial, wind, and wave erosion and mass-wasting and ground water or by combination of these, acting upon the major types of earth materials and structures. Laboratory work includes the interpretation of topographic and geologic maps, air photos, and stereopairs. A field trip may be required.

Prerequisite(s): (GEOL 111 or GEOG 103 or GEOL 103)

Equivalent(s): GEOG 420

Recent Term(s) Offered: fall 2021

GEOL 430 Optical Mineralogy 3 Hours

A study of the optical constants and phenomena exhibited by and characteristic of crystalline mineral materials. Topics covered include the behavior of light in crystalline solids, the origin and nature of interference colors, refractive index, birefringence, optical character, and optical identification of minerals. Laboratory work concerns techniques employed with the petrographic microscope and the use of the microscope in mineral identification.

Prerequisite(s): (GEOL 325 or GEOL 330)

Recent Term(s) Offered: None

GEOL 432 Diffraction and Spectroscopy 4 Hours

Theory and experimental practices of modern analytical techniques for the analysis of crystal structures. Focuses on the study of crystallography, crystal chemistry, and their physical and chemical properties. Laboratory fee required.

Prerequisite(s): (GEOG 325 or GEOL 330 or CHEM 222 or PHYS 266)

Recent Term(s) Offered: None

GEOL 440 Hydrogeology 3 Hours

Origin, occurrence, and movement of ground water; water wells and aquifer evaluations; exploratory investigations; quality of ground water supplies; legal aspects.

Prerequisite(s): MATH 136 (may be taken concurrently) and (GEOG 310 or GEOL 310)

Recent Term(s) Offered: None

GEOL 445 Aqueous Geochemistry 3 Hours

An introduction to geochemical processes of surface and ground water including concentrations of ions and organic compounds, chemical equilibria, and analytical techniques. Carbonate and clay minerals will be studied in detail.

Prerequisite(s): CHEM 120 and CHEM 121

Recent Term(s) Offered: None

GEOL 455 Field Geology 1-6 Hours (repeatable max of 6 hrs)

Geological field experiences in a variety of settings and locations, designed to teach the hands-on methods of fieldwork and data collection, and the preparation of geologic maps, cross sections and reports.

Prerequisite(s): (GEOL 111 and GEOL 113) or permission of instructor

Recent Term(s) Offered: None

GEOL 465 Geophysics 3 Hours

The fundamentals of general and exploration geophysics. Topics include the origin of the earth and solar system, the earth's interior, geochronology, gravity and isostasy, seismology, the earth's heat, geomagnetism, upper atmosphere, continents and ocean basins, ridges and island arcs, and plate tectonics. The theory and applications of exploration geophysics are also covered, especially gravity, magnetic, and seismic methods. Note: One year of college physics or permission of instructor required.

Prerequisite(s): GEOL 111

Recent Term(s) Offered: spring 2020; fall 2021

GEOL 470 Tectonics 3 Hours

Deformational structure and style of various crustal regions. Regional tectonics of North America is emphasized.

Prerequisite(s): GEOL 308

Course Fee: \$20

Recent Term(s) Offered: None

GEOL 475 Special Topics in Geology 1-3 Hours (repeatable max of 12 hrs)

A lecture-discussion or supervised research course in which advanced or special topics in geology are considered in detail. Special topics courses may not replace required courses in the geology major/minor but may be applied as elective credit. Note: Permission of instructor required.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2022

GEOL 485 Geology of Fossil Fuels 3 Hours

Formation of coal, petroleum, and natural gas including depositional setting, source materials, and processes of thermal maturation. Stratigraphic and structural relations, modes of occurrence, exploration techniques, and resource evaluation are emphasized. Field trip required. Note: Permission of instructor may be required.

Prerequisite(s): GEOL 308

Recent Term(s) Offered: None

GEOL 490 Petroleum Geology 3 Hours

Concepts of oil formation, source-rock evaluation, thermal maturation, and petroleum migration are reviewed. Emphasis is placed on characterization of petroleum reservoirs and traps and on the techniques employed by geologists in exploration for oil and gas accumulations. Field trip required.

Recent Term(s) Offered: None

GEOL 499 Professional Preparation in Geology 2 Hours

Professional career preparation in geology including senior assessment, resume writing, college-to-career transition, professional ethics, and selected seminar topics. Outside speakers from industry and academia will be included.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

German (GERM)

GERM 100 German Language and Culture On-Site 1-3 Hours (repeatable max of 3 hrs)

Prerequisite(s): Permission of instructor. An introduction to German and German-speaking culture in conjunction with study abroad for students with little or no previous language study. May be repeated for a total of 3 credits.

Recent Term(s) Offered: None

GERM 101 Elementary German I 3 Hours

Introduction to German through exploration of the students' personal world; expressing preferences, abilities, needs, and obligations; asking for information; describing things in their world; and reporting their typical activities.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021

GERM 102 Elementary German II 3 Hours

Continued development of communication on topics related to everyday life in cultural context. Target proficiency: at least Novice High.

Prerequisite(s): (GERM 101 or AVANT Lang French Placement with a score of 2 or LPROF: GERMAN Composite with a score of 2)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021

GERM 105 Introduction to Germanic Culture 3 Hours

Survey of the contemporary culture of Austria and Germany with emphasis on values, behavioral characteristics, social and political structures, and achievements of the German-speaking people. Taught in English; only taught abroad.

Recent Term(s) Offered: None

GERM 201 Intermediate German I 3 Hours

Strengthen communicative abilities on a broader range of topics.

Emphasis on social interaction and practical uses of the language. Target proficiency: Intermediate Low.

Prerequisite(s): (GERM 102 or AVANT Lang German Placement with a score of 3)

Recent Term(s) Offered: fall 2020; fall 2021; spring 2022

GERM 202 Intermediate German II 3 Hours

Students to create with language, maintain communication, explore topics in greater detail. Material drawn from literature, popular culture and the internet. Target proficiency: Intermediate Mid.

Prerequisite(s): (GERM 201 or AVANT Lang German Placement with a score of 4)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022

GERM 210 Intermediate German Conversation Abroad 1-3 Hours (repeatable max of 3 hrs)

Course designed to develop the vocabulary and communication skills of a student with one year of college German or equivalent, with emphasis on contact with German native speakers. GERM 210 may not substitute for GERM 201 or GERM 202, but may count as an elective for the major or minor. Taught in German. Fulfills World Language with a grade of C or better.

Prerequisite(s): (GERM 102 or AVANT Lang German Placement with a score of 3)

Recent Term(s) Offered: None

GERM 211 Intermediate German Culture Abroad 1-3 Hours (repeatable max of 3 hrs)

Course designed to develop an appreciation for different aspects of German-speaking countries and their people and cultures, for a student with one year of college German or equivalent. GERM 211 may not substitute for GERM 201 or GERM 202, but may count as an elective for the major or minor. Taught in German. Fulfills World Language with a grade of C or better.

Prerequisite(s): (GERM 102 or AVANT Lang German Placement with a score of 3)

Recent Term(s) Offered: None

GERM 306 Experiencing German Abroad 1-6 Hours (repeatable max of 6 hrs)

Supervised language and cultural studies accomplished during a study abroad program. Students who receive transferable credit for language study done during the study abroad program will receive credit only for cultural study. Fulfills World Language with a grade of C or better. Note: Enrollment in supervised language study while abroad required.

Prerequisite(s): (GERM 202 or AVANT Lang German Placement with a score of 5)

Recent Term(s) Offered: None

GERM 314 Introduction to German Literature 3 Hours

Emphasis on major periods, literary types and critical approaches through the study of selected representative works and authors. Fulfills World Language with a grade of C or better. **Colonnade/Statewide General Education Code AH**

Prerequisite(s): (GERM 202 or AVANT Lang German Placement with a score of 5)

Recent Term(s) Offered: spring 2020

GERM 330 German Composition and Conversation 3 Hours

Develops skill in writing and speaking standard German. Stress is on vocabulary building, use of dictionary and control of sentence structures. Skill in spoken German is aimed at enabling the students to find their way around the environment and to function in a social situation. Fulfills World Language with a grade of C or better.

Prerequisite(s): (GERM 202 or AVANT Lang German Placement with a score of 5)

Recent Term(s) Offered: spring 2021

GERM 331 Business German 3 Hours

Introduction to business communication in German-speaking countries: linguistic structures and vocabulary, forms of business communication, reading and discussion of business texts, social customs. Fulfills World Language with a grade of C or better.

Prerequisite(s): (GERM 202 or AVANT Lang German Placement with a score of 5)

Recent Term(s) Offered: None

GERM 332 Advanced German Translation 3 Hours

Translation English to German and German to English of texts selected from various sources both literary and non-literary. Texts are selected for general interest and challenge to the translator. Fulfills World Language with a grade of C or better.

Prerequisite(s): (GERM 202 or AVANT Lang German Placement with a score of 5)

Recent Term(s) Offered: spring 2021

GERM 333 Germanic Civilization and Culture 3 Hours

Survey of the historical background and cultural development of the German-speaking countries of Europe: The Federal Republic of Germany, Austria and Switzerland. Conducted in German. Fulfills World Language with a grade of C or better. **Colonnade/Statewide General Education Code AH**

Prerequisite(s): (GERM 202 or AVANT Lang German Placement with a score of 5)

Recent Term(s) Offered: None

GERM 335 Contemporary Culture and Civilization 3 Hours

Study of geography, politics, social customs, culture and contemporary issues of the German-speaking countries. Especially useful for students who plan to study or work abroad. Taught in German. Fulfills World Language with a grade of C or better. **Colonnade/Statewide General Education Code AH**

Prerequisite(s): (GERM 202 or AVANT Lang German Placement with a score of 5)

Recent Term(s) Offered: fall 2020

GERM 369 Identity in German Cinema 3 Hours

A study of the individual and society in Germany through German cinema. Historical and contemporary perspectives on identity and othering. May include religion, race, gender, sexual orientation, mental health, immigration or foreign worker status, socioeconomic status, age, and post-unification East-West identities. Taught in English. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: None

GERM 389 Internship in German 1-3 Hours (repeatable max of 6 hrs)

Supervised work using German in a professional setting. Fulfills World Language with a grade of C or better.

Prerequisite(s): (GERM 202 or AVANT Lang German Placement with a score of 5)

Restriction(s): Enrollment is limited to students in German (380) or German (683)

Recent Term(s) Offered: None

GERM 399 Personalized Learning 3 Hours (repeatable max of 6 hrs)

Guided project-based individualized learning to develop language and cultural skills for practical applications in the workplace or academia. Focuses on study of the German-speaking world at the intermediate or advanced proficiency level. Fulfills World Language, with a grade of C or better.

Prerequisite(s): GERM 202 and permission of instructor

Recent Term(s) Offered: None

GERM 430 Advanced German Stylistics 3 Hours

Provides intensive practice in written and spoken German, enabling the student to write letters, reports, essays, descriptions, and to discuss literary, cultural, and political topics. Fulfills World Language with a grade of C or better.

Prerequisite(s): (GERM 330 or AVANT Lang German Placement with a score of 6)

Recent Term(s) Offered: spring 2021

GERM 435 German Literature of the 19th and 20th Centuries 3 Hours

A study of major German, Austrian, and Swiss writers of the 19th and 20th centuries with emphasis on prose and drama. Fulfills World Language with a grade of C or better.

Prerequisite(s): (GERM 314 or AVANT Lang German Placement with a score of 6)

Recent Term(s) Offered: None

GERM 436 German Literature of the Classical Period 3 Hours

A study of the outstanding works of Goethe, Schiller and other authors of the late 18th and early 19th centuries. Fulfills World Language with a grade of C or better. Note: Permission of instructor.

Prerequisite(s): GERM 314

Recent Term(s) Offered: None

GERM 437 German Literature and Film 3 Hours

A study of German film and film adaptations of German literature. Emphasis on textual analysis, special film terminology, theoretical approaches to film, writing about film. Fulfills World Language with a grade of C or better.

Prerequisite(s): (GERM 314 or AVANT Lang German Placement with a score of 6)

Recent Term(s) Offered: None

GERM 455 Topics in Germanic Literary and Cultural Studies 3 Hours (repeatable max of 6 hrs)

Examines different topics of interest in German literary and cultural studies. Fulfills World Language with a grade of C or better.

Prerequisite(s): (GERM 314 or AVANT Lang German Placement with a score of 6)

Recent Term(s) Offered: None

GERM 499 Advanced Studies in German 1-4 Hours (repeatable max of 6 hrs)

For guided independent study in culture, language, or literature. May be used with consent of full-time program faculty members for work accomplished during study abroad. Number of credit hours will be determined in consultation with instructor. Fulfills World Language with a grade of C or better.

Prerequisite(s): (GERM 314 or AVANT Lang German Placement with a score of 6)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

Gerontology (GERO)

GERO 100 Introduction to the Aging Experience 3 Hours

An introduction to a variety of topics involved in the study of aging. Considers such issues as worldwide changing demographics, increased diversity among the aged, intergenerational relationships, and biopsychosocial concerns of aging. **Colonnade/Statewide General Education Code E-SB | SB**

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

GERO 461 Person-Centered Dementia Management 3 Hours

A survey of dementia using a person-centered approach. Exploration of the diverse perspectives of persons diagnosed, family members, and both informal and formal caregivers.

Recent Term(s) Offered: None

GERO 481 Global Aging 3 Hours

Provides an international comparative examination of individual and societal aspects of aging and explores the problems and solutions encountered in different sociocultural contexts for dealing with challenges and opportunities of aging. The phenomenon of global aging is explored through active engagement with international organizations.

Recent Term(s) Offered: fall 2020

GERO 485 Seminar in Gerontology 3 Hours

Students integrate what they have learned in gerontology with a focus on how those concepts, ideas, theories and practical experiences relate to their personal, professional or higher education goals.

Prerequisite(s): GERO 100

Recent Term(s) Offered: fall 2021

GERO 490 Independent Study in Gerontology 1-6 Hours (repeatable max of 6 hrs)

Supervised individual study and/or field-based experience in a topic or area of Gerontology of particular interest to the student. May be repeated for credit, but only a total of three credit hours can be counted toward a Gerontology minor.

Recent Term(s) Offered: None

GERO 495 Topics in Gerontology 1-3 Hours (repeatable max of 6 hrs)

Investigation of specific issues in Gerontology, either from the perspective of a single discipline or from a multidisciplinary perspective. Students are responsible for arranging their own transportation to assigned sites. May be repeated for credit, but only a total of three credit hours can be used toward a Gerontology minor.

Recent Term(s) Offered: None

Health Care Administration (HCA)

HCA 120 Health Literacy for Consumers 3 Hours

Provides an introduction to health literacy from a consumer's perspective. Students will examine the current state of affairs in healthcare, identify medical challenges, and learn how consumers can heighten awareness and better prepare to be their own best advocate.

Colonnade/Statewide General Education Code E-SB | SB

Recent Term(s) Offered: summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

HCA 247 Contemporary Healthcare Issues 3 Hours

An introductory course addressing contemporary issues confronting the healthcare delivery system, patients, and medical professionals in American society.

Prerequisite(s): ENGL 100C

Restriction(s): Enrollment limited to students with a semester level of Academy Junior, Academy Senior or Freshman.

Equivalent(s): HED 247C

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

HCA 340 Health Care Organization and Management 3 Hours

Examines the historic, social, political, and economic factors that shape the U.S. health care delivery system. Topics include the components of the healthcare delivery system such as medical office practices, hospitals, and long-term healthcare systems. Included are financial and non-financial resources found in the U.S., concepts of public health, quality of care and outcomes measurement, and strategies for improving access to care. The role of health care administration as critical to the system will be stressed. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

HCA 342 Human Resources Management for Healthcare Managers 3 Hours

This course explores human resource management issues experienced by supervisors within healthcare organizations. Course topics include core human resources management functions and skills (job analysis, recruitment, retention, selection, placement, training/education, performance evaluation, and compensation) related to clinical, administrative, and paraprofessional employees within the healthcare setting. Note: Permission of instructor may be required.

Prerequisite(s): HCA 340

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HCA 343 Quality Management for Healthcare 3 Hours

Examines the history, philosophies, methods, and techniques used in continuous quality improvement programs, specifically for healthcare delivery systems. Topics include problem identification, data collection and analysis, implementation, and evaluation of system changes. Customer service approach to health care, accreditation, credentialing, and current issues in quality improvement (performance improvement models and patient safety improvement), utilization management and risk management will be included in the discussion. Note: Permission of instructor may be required.

Prerequisite(s): HCA 340

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022

HCA 344 Health Systems Management 3 Hours

This course provides information and applications of general systems theory relative to organizations, operations, and decision analysis in health care delivery system components. The course will also explore the responsibilities, relationships, and trends of various departments in health facilities. Note: Permission of instructor may be required.

Prerequisite(s): HCA 340

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HCA 345 Long-Term Care Administration 3 Hours

Introduce the special topics and operating environment facing long-term care managers today. Emphasis is on regulations, reimbursement, care delivery, and alternative delivery systems that deal with the elderly. Includes field trips. Note: Permission of instructor may be required.

Prerequisite(s): HCA 340 (may be taken concurrently) with a minimum grade of C

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HCA 346 Ambulatory Care Administration 3 Hours

Access, content, and expected outcomes of health care delivery settings outside traditional inpatient facilities.

Prerequisite(s): HCA 340

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HCA 347 International Comparisons of Health Care Systems 3 Hours

Cross country comparisons, including concepts of illness and healing within different cultural contexts; differing approaches to critical issues including access, quality of care, and cost containment; and methods of organization, financing and structuring of providers in various countries.

Colonnade/Statewide General Education Code K-LG

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

HCA 353 Quality and Patient Safety in Long-Term Care 3 Hours

Application of quality management techniques with special emphasis on the types of populations, facilities, and expectations involved in long-term care service delivery programs.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HCA 355 Nursing Facility Administration 3 Hours

Cover the domains of knowledge associate with the national licensure examination for nursing home administrators along with other necessary knowledge for the administration of a long-term care facility. Note: Permission of instructor may be required.

Prerequisite(s): HCA 345

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

HCA 383 Management Applications in Healthcare 1 Hour

This course covers data types, data use, and data management approaches including statistical applications that are currently used in the healthcare industry. Data management and analysis products including MS Excel, SPSS and other data management/statistical applications relevant to the healthcare environment would be used to deliver course content. Basic familiarity with personal computers is assumed.

Prerequisite(s): (MATH 183 or SOCL 300 or PH 383)

Corequisite(s): PH 383

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022

HCA 401 Fundamentals of Health Care Financial Management 3 Hours

Principles of financial management for health care organizations. Financial ratios applicable to health providers and insurance companies; issues in the healthcare revenue cycle and value chain; recognizing sources of risk in reimbursement and addressing risk in financial plans. Note: Permission of instructor may be required.

Prerequisite(s): HCA 340

Recent Term(s) Offered: winter 2020; summer 2020; winter 2021; summer 2021; winter 2022; summer 2022

HCA 440 Health Economics 3 Hours

Examines the characteristics of the markets for medical services with emphasis on medical costs, competition, health cost inflation, health insurance, medical service markets, regulation, and economic strategies for health care managers. This course includes financing and cost-control in foreign health systems.

Prerequisite(s): HCA 340 and HCA 344 and (HCA 345 or HCA 346) and (ECON 202 or ECON 203)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HCA 441 Legal Aspects / Health Care 3 Hours

This course will examine the relationship between the health care system in the United States and the legal system. The component parts of the legal system, including the legislative, administrative and judicial functions will be reviewed. Current trends in the area of health care law will be studied. Note: Permission of instructor may be required.

Prerequisite(s): HCA 340

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HCA 442 Principles and Methods of Health Planning 3 Hours

This course will provide theoretical foundations and methodology used in health planning. It will include the roles of government, health professions and consumers in the process of planning for health services, facilities and manpower.

Prerequisite(s): HCA 340 and HCA 344

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

HCA 445 Health Care Finance 3 Hours

Methods of financing health care will include a review of health care specific financial statements and quantitative methods. Students are expected to develop an understanding of the financial basis of cost accounting and managerial decision-making. The course covers the importance of managed care and an overview of managed care contracting.

Prerequisite(s): HCA 340 and HCA 344 and (HCA 345 or HCA 346 or HCA 355) and (ACCT 110 or HIM 252) and (HCA 440 or ECON 300 or ECON 302 or ECON 303 or ECON 305 or ECON 306 or ECON 307 or ECON 323 or ECON 375 or ECON 380 or ECON 385 or ECON 390 or ECON 400 or ECON 410 or ECON 414 or ECON 420 or ECON 430 or ECON 434 or ECON 440 or ECON 445 or ECON 464 or ECON 465 or ECON 467 or ECON 475 or ECON 480 or ECON 490 or ECON 491 or ECON 496 or ECON 497 or ECON 499)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HCA 446 Health Care Informatics 3 Hours

Consideration of the vital role played by the exchange of organizational information in support of clinical care and management decision making in today's health care environment.

Prerequisite(s): HCA 340

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HCA 447 Information Systems Laboratory 1 Hour

Prerequisite(s): Permission of instructor. This course includes hands-on instruction in computer hardware, operating systems, and database architecture. Basic familiarity with personal computers is assumed.

Corequisite(s): HCA 446

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HCA 448 Health Care Analysis and Evaluation 3 Hours

Unifies the knowledge gained in the required course work for health care administration majors and prepares them for the internship experience. Individual primary research projects are required.

Prerequisite(s): HCA 344

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HCA 449 Internship in Health Care Administration 1-6 Hours

(repeatable max of 6 hrs)

Prerequisite(s): Completion of all program course requirements, general education and electives, minimum overall GPA of 2.5, and permission of the internship supervisor. The internship provides the student administrative experience with a health care provider or health related organization. Students are expected to secure the internship site during the last academic semester and are responsible for all university and facility requirements during the internship. Participating agencies will have a qualified administrator to serve as preceptor. Off campus travel required. Interns are not permitted to take other courses during internship.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

HCA 450 Internship in Long-term Care 1-3 Hours (repeatable max of 3 hrs)

Internships provides the HCA student administrative experience with a health care provider or health related organization with additional hours rotation as required by National Association of Long-term Care Administrators Boards (NAB). Students are expected to secure the internship site and are responsible for all university and facility requirements during the internship. Participating agencies will have a qualified administrator to serve as preceptor. Off campus travel required. Note: Must have an overall GPA of 2.5.

Prerequisite(s): (HCA 345 with a minimum grade of C or HCA 355 with a minimum grade of C or permission of instructor)

Restriction(s): Enrollment is limited to students in Health Care Adm (559) or Health Care Admin- Seeking Adm (559P)

Recent Term(s) Offered: None

HCA 459 Global Health Service-Learning Practicum 3 Hours

(repeatable max of 6 hrs)

Designed to provide students in health professions with a global service-learning experience. Integrates student knowledge and skills with practical applications in a global health context, based on the student career objectives and the health needs of the served communities. Note: Permission of instructor may be required.

Prerequisite(s): HCA 347

Recent Term(s) Offered: fall 2021

HCA 471 Managed Care 3 Hours

This elective course provides an overview of managed care; includes history, government policy, organizational structures, cost control strategies, and management issues.

Prerequisite(s): HCA 340 and HCA 344 and HCA 440 and HCA 441

Recent Term(s) Offered: None

Health Education (So Campus) (HED)

HED 247C Contemporary Healthcare Issues 3 Hours

An introductory course addressing contemporary issues confronting the healthcare delivery system, patients, and medical professionals in American society.

Prerequisite(s): ENGL 100C

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Equivalent(s): HCA 247

Recent Term(s) Offered: None

Health Information Management (HIM)

HIM 100 Health Data Content and Structure 4 Hours (repeatable max of 4 hrs)

Emphasis on the health information profession, interdisciplinary relationships, health care data management, documentation standards, methods of access and retention of image-based information and maintenance of health information in acute and non-acute care facilities. Procedures for maintaining vital statistics and specialized registries will be included.

Course Fee: \$75

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HIM 220 Statistical Applications in Health Information Management 2 Hours

Emphasis on acquiring knowledge and skills in data collection methods, health statistics terminology and computation, and presentation of reported health statistics.

Prerequisite(s): HIM 100 and (MA 109C or MATH 109 or MA 116C or MATH 116)

Recent Term(s) Offered: None

HIM 221 Health Information and Quality Management 4 Hours

(repeatable max of 4 hrs)

Exploration of principles of management, human relations, human resources, total quality management, utilization and risk management and credentialing in the HIM department and healthcare setting.

Prerequisite(s): HIM 100

Recent Term(s) Offered: None

HIM 225 Legal Issues in Health Information Management 2 Hours

Advanced course relating concepts and principles of law, the health record as a legal document, confidential communication, consents and authorization, release of information and current trends in health legislation.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HIM 230 Computer Systems and Applications in Health Information Management 3 Hours (repeatable max of 3 hrs)

Exploration of computer systems for health information management with emphasis on the electronic health record. Various HIM software applications will be utilized.

Prerequisite(s): HIM 100 and (CSCI 145C or CIS 141)

Course Fee: \$65

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

HIM 250 International Classification of Diseases (ICD) Coding 4 Hours (repeatable max of 4 hrs)

Discussion of various nomenclature and classification systems. Guidelines used to assign codes to disease and operations in the ICD classification system. Note: Permission of instructor may be required.

Prerequisite(s): HIM 100 and AH 290 and (BIO 131C or BIOL 131)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; spring 2022

HIM 251 Healthcare Common Procedure Coding System / Current Procedural Terminology (HCPCS / CPT) Coding 4 Hours (repeatable max of 4 hrs)

Application of HCPCS/CPT coding principles to outpatient reimbursement systems. Note: Permission of instructor may be required.

Prerequisite(s): HIM 100

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; fall 2021; fall 2022

HIM 252 Healthcare Payment Systems 3 Hours

Overview of management of health care payment systems including insurances, billing and collection processes, case mix analysis, corporate compliance, HIPAA, and other current reimbursement issues.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

HIM 290 Medical Terminology 2 Hours

A course designed to acquaint the student with the specialized language of medicine and to develop communication skills in areas where use of medical terms is necessary and appropriate.

Equivalent(s): AH 290

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HIM 291 Advanced Medical Terminology 2 Hours

Terminology of diseases, operations and treatment modalities.

Prerequisite(s): (AH 290 or HIM 290)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

HIM 292 Pharmacology and Laboratory Diagnostics 2 Hours

Study of pharmacology, laboratory tests and diagnostics as they relate to the management of health information.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HIM 295 Seminar and Professional Practice Experience 5 Hours

Final project-based field experience. Two weeks preparatory classroom work; two weeks focused field experience, on-campus post-seminar and project presentation. Students responsible for own expenses. Note: Completion of all associate degree HIM required courses is required.

Recent Term(s) Offered: None

HIM 330 Electronic Health Record Systems 3 Hours

Utilization, application, analysis, and evaluation of an electronic health record system for data collection, communication, storage, reporting, and exchange of health information.

Prerequisite(s): (HIM 100 or HCA 340 or CD 280 or NUR 105 or SWRK 205)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HIM 350 Health Informatics Research 3 Hours

Applies principles and methods of scientific research to selected topics in Health Informatics and relevant healthcare issues.

Prerequisite(s): HIM 230 and PH 383 and HCA 340

Restriction(s): Enrollment is limited to students in Health Information Management (529)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HIM 351 International Classification of Diseases (ICD-10) Coding 1 Hour

Course provides students with opportunities to learn and apply guidelines of ICD-10-CM and ICD-10-PCS coding.

Restriction(s): Enrollment is limited to students in Health Information Management (529)

Recent Term(s) Offered: None

HIM 421 Health Information Leadership and Management 3 Hours

Application, evaluation, and creation of operational, managerial, and strategic planning for health information including project management, budgeting, human resources, professional development, and other administrative functions.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Enrollment is limited to students in Health Information Management (529)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

HIM 422 Clinical Evaluation and Outcomes 3 Hours

Advanced course in applying measurements, evaluations, and reports to processes, structures, and outcomes in improving the efficiency and effectiveness of health information management and clinical services.

Prerequisite(s): PH 383 and HIM 221

Restriction(s): Enrollment is limited to students in Health Information Management (529)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

HIM 430 Health Data Management and Analytics 3 Hours

Acquisition, analysis, display, interpretation, reporting, transformation, and management of healthcare data to respond to needs, trends, and changes in clinical practice, management, health care quality, regulations, legislation, accrediting bodies and marketplace.

Prerequisite(s): HIM 330 and (HIM 230 or (HCA 446 and HCA 447) or CIT 350 or BDAN 330 or INS 272C)

Restriction(s): Enrollment is limited to students in Health Information Management (529)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HIM 450 Application & Analysis of Him Theory 3 Hours

Advanced study in application and analysis of HIM theory in healthcare settings. Must be taken in semester prior to enrollment in HIM 495 Capstone PPE.

Restriction(s): Enrollment is limited to students in Health Information Management (529)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HIM 495 Capstone Professional Practice Experience 3-6 Hours

Professional practice experience in a health-related setting. Students are responsible for their travel. Lab component required. Note: Completion of all HIM baccalaureate degree required courses are required for course enrollment.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

History (HIST)

HIST 101 World History I 3 Hours

A comparative historical survey of the major political, religious, and cultural developments in Asia, Africa, and the Mediterranean basin, Europe, and the Americas from ca. 3000 BCE to 1500 CE. **Colonnade/Statewide General Education Code F-SB | SB**

Equivalent(s): HIST 119

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

HIST 102 World History II 3 Hours

A comparative historical survey of the major political, religious, and cultural developments in Asia, Africa, Europe, and the Americas from 1500 to present. **Colonnade/Statewide General Education Code F-SB | SB**

Equivalent(s): HIST 120

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

HIST 110 Introduction to Asian Civilization 3 Hours

A survey of the histories and cultures of the civilizations of Asia, emphasizing the traditional values which have shaped their development from ancient to modern times.

Recent Term(s) Offered: None

HIST 119 Western Civilization to 1648 3 Hours

A survey of the political, social, cultural, and economic phases of western civilization to 1648. **Colonnade/Statewide General Education Code F-SB | SB**

Equivalent(s): HIST 101

Recent Term(s) Offered: None

HIST 120 Western Civilization Since 1648 3 Hours

A survey of the political, social, cultural, and economic phases of western civilization since 1648. **Colonnade/Statewide General Education Code F-SB | SB**

Equivalent(s): HIST 102

Recent Term(s) Offered: None

HIST 200 Latin American Society: Past and Present 3 Hours

A broad interdisciplinary introduction to the study of Latin America, emphasizing its regions, peoples, and cultures. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Equivalent(s): ANTH 200, PS 200, GEOG 200, SPAN 200

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; fall 2022

HIST 215 History Topics Abroad 3 Hours (repeatable max of 6 hrs)

This course examines specified historical topics appropriate to education abroad programs. It is only offered in study abroad programs.

Recent Term(s) Offered: None

HIST 240 The United States to 1865 3 Hours

A survey of the political, social, cultural, and economic phases of American life to the Civil War.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

HIST 241 The United States Since 1865 3 Hours

A survey of the political, social, cultural, and economic phases of American life since the Civil War.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

HIST 299 Introduction to Military History 3 Hours

A study of the development of warfare from the earliest times to the present with emphasis on the modern period and the development of weapons, tactics, and strategy.

Recent Term(s) Offered: fall 2020; fall 2021

HIST 300 Contemporary Chinese Society and Culture 3 Hours

Examines contemporary Chinese society and culture from 1949 to the present, focusing on both macro-level development and the daily experiences of ordinary citizens. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: None

HIST 302 Disability in the United States 3 Hours

A study of disability, the systems shaped by and formed in response to ideas about disability and ability, and disabled people's experiences throughout United States history. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): (HIST 101 or HIST 102) and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: None

HIST 303 Monsters, Maggots, and Morphine: Disease and Medicine in the United States 3 Hours

A historical study of how Americans have understood, experienced, and coped with disease, disability, and death. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): (HIST 101 or HIST 102) and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2022

HIST 304 Ancient Identities 3 Hours

Survey of ancient theories on and experiences of race, ethnic identity, and otherness in the ancient Mediterranean world. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): (HIST 101 or HIST 102) and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2021

HIST 305 Ancient Greece 3 Hours

A survey emphasizing the political, cultural, social, and economic aspects of Greek civilization. **Colonnade/Statewide General Education Code K-SY | AH**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; spring 2022

HIST 306 Ancient Rome 3 Hours

A survey emphasizing the political, cultural, social, and economic aspects of Roman civilization. **Colonnade/Statewide General Education Code K-SY | AH**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HIST 307 The Middle Ages 3 Hours

A study of political, cultural, social, and economic institutions from the fifth century to the fourteenth century. **Colonnade/Statewide General Education Code K-SY | AH**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: summer 2020; fall 2020; summer 2021; fall 2022

HIST 308 Conflict, Culture and Commerce in the Medieval Mediterranean 3 Hours

Explores the developing relationship between religion, culture and power in medieval kingdoms with substantial Christian, Jewish and Muslim inhabitants. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; fall 2021

HIST 309 History of HIV/AIDS 3 Hours

This course will provide an overview of the local and global factors that facilitated the rapid and continued the worldwide transmission of HIV/AIDS. Students will become familiar with social, economic, and political factors that impact the spread, prevention, and control of HIV/AIDS locally and globally. Equal attention will be paid to intervention and prevention efforts by local, national, and international actors.

Topics include the epidemiology of the AIDS virus, the mechanisms of transmission, the stigma and cultural norms surrounding HIV across the globe, HIV/AIDS activism, and the politicization of the pandemic and its treatments. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: None

HIST 310 Comparative Slavery 3 Hours

Examines slavery among people of African descent emphasizing the origins, politics, economics, and legacies of African slavery in the Americas, Asia, the Caribbean, and Africa. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status and (HIST 101 or HIST 102)

Recent Term(s) Offered: spring 2020; fall 2021; fall 2022

HIST 312 Public History 3 Hours

This course provides a comprehensive overview of the field of public history. It explores the methods, theories, and practices of public history, including museums, archives, national parks, cultural resource management, and historic preservation. While studying professions related to and meeting professionals in public history, students will be immersed in real-world experiences dealing with public history.

Recent Term(s) Offered: None

HIST 315 Topics in History 3 Hours (repeatable max of 24 hrs)

A semester-long study of specified topic in history.

Recent Term(s) Offered: None

HIST 316 The American Civil War in Film 3 Hours

Examination of how the American Civil War has been portrayed in film, including the social, political, and military aspects of the war. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): (HIST 101 or HIST 102 or HIST 240)

Recent Term(s) Offered: None

HIST 317 Renaissance Europe 3 Hours

A study of the impact of Renaissance culture and thought among various social, intellectual, and political groups in Italian cities and princely courts, and the diffusion of the movement in Western Europe from the thirteenth to sixteenth centuries. **Colonnade/Statewide General Education Code K-SC | AH**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status and (HIST 101 or HIST 102)

Recent Term(s) Offered: None

HIST 318 Age of the Reformation 3 Hours

A study of the religious reform movements in Europe from the late Middle Ages to the end of the religious wars in 1648, with particular attention paid to the cultural, intellectual, political, and social responses to Reformation ideas. Note: Permission of instructor. **Colonnade/Statewide General Education Code AH**

Prerequisite(s): (HIST 101 or HIST 102)

Recent Term(s) Offered: None

HIST 320 American Studies I 3 Hours

An interdisciplinary course designed to examine the diverse origins and the decisive elements in the development of American culture. It seeks to provide a wide cultural appreciation and a greater understanding of the mainstream of American thought through the coordinated application of numerous viewpoints drawn from the contributing disciplines of English, Political Science, and History. Note: Permission of instructor. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Equivalent(s): PS 320

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HIST 321 American Studies II 3 Hours

An interdisciplinary course designed to examine the diverse origins and the decisive elements in the development of American culture. It seeks to provide a wide cultural appreciation and a greater understanding of the mainstream of American thought through the coordinated application of numerous viewpoints drawn from the contributing disciplines of English, Political Science, and History. Note: Permission of instructor.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

HIST 322 Age of Enlightenment 3 Hours

A detailed study of social, political, cultural, intellectual, and economic events from 1648 to 1789 with primary emphasis upon the development of Absolutism during the Old Regime.

Recent Term(s) Offered: None

HIST 323 The British Isles to 1688 3 Hours

A study of the British Isles from earliest times through the Medieval and Early Modern periods. Examining the participation both of elites and of ordinary men and women, this course explores the social, cultural, political and economic development of England, Wales, Scotland, and Ireland. Major themes include the early Celts, Roman conquest, religious changes, the establishment of regional kingdoms, the expansion of England, the origins of English constitutional law and Parliament, and the changing relationship with continental Europe.

Recent Term(s) Offered: None

HIST 324 Modern Britain Since 1688 3 Hours

A study of the British Isles from the end of the seventeenth century to the present. Examining the participation both of elites and of ordinary men and women, this course explores the social, cultural, political and economic developments of the United Kingdom in modern times. Major themes include nationhood and empire, industrialization and class formation, gender relations the expansion of suffrage and the rise of mass politics, the impact of the World Wars and the Great Depression, the development of the welfare state, Britain's shifting relationship with Europe and the politics of ethnicity and race in post-colonial Britain.

Colonnade/Statewide General Education Code K-SC

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HIST 325 Blacks in the Civil War and Reconstruction 3 Hours

Examines black experiences during the Civil War and Reconstruction emphasizing anti-slavery, black soldiers, emancipation, postwar labor, political challenges, and the experiences of women. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): (HIST 101 or HIST 102) and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: None

HIST 329 Black Intellectual History 3 Hours

An examination of the contributions of Black intellectuals to an understanding of the modern world. Emphasis is given to the intersection of historic claims to human rights, citizenship, and independence to promote an awareness of this tradition's multiple geographical nodes, collaborations, and solidarities. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status and (HIST 101 or HIST 102) or AFAM 190

Equivalent(s): AFAM 329

Recent Term(s) Offered: fall 2020

HIST 330 History of Africa Before 1500 3 Hours

Examines African history chronologically from the origins of humanity to 1500 with emphasis on major political, economic, cultural and geographical themes within a regional context.

Prerequisite(s): (HIST 101 or HIST 102)

Recent Term(s) Offered: spring 2021; spring 2022

HIST 331 History of Africa Since 1500 3 Hours

Examines African history chronologically from 1500 to the present with emphasis on major political, economic, social, and geographical themes within a regional context.

Prerequisite(s): (HIST 101 or HIST 102)

Recent Term(s) Offered: fall 2020; fall 2022

HIST 332 Riots, Rebellions, and Revolutions: A Global History of Protest 3 Hours

The course explores the history of protest and activism and their relationship to trends in world history. Through readings, lectures, and discussions, students will explore protest history's narratives and the questions that global historians pose about the past and learn about its methodologies and analytical foci. Students will also explore topics that highlight key themes, trends, narratives, or moments in which world and protest history intersect, including wars and revolutions, civil rights, anti-colonialism, labor disputes, health crises, and environmental disasters.

Colonnade/Statewide General Education Code K-LG

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: None

HIST 333 History of Genocide 3 Hours

This seminar analyzes and compares the origins, developments, and forms of mass violence and genocide, focusing especially on the 20th century.

Prerequisite(s): (HIST 101 or HIST 102)

Recent Term(s) Offered: None

HIST 334 Nineteenth Century Europe 3 Hours

A study of political, intellectual, and socioeconomic developments with special emphasis on nationalism, the rise of socialism, and the causes of World War I.

Recent Term(s) Offered: None

HIST 335 Twentieth Century Europe 3 Hours

A survey of Europe during the twentieth century that covers developments in social, cultural, political, intellectual, and gender history. Note: Permission of instructor.

Prerequisite(s): (HIST 101 or HIST 102)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

HIST 338 Russia to 1900 3 Hours

A study of the development of Russia from its beginnings to the pre-Soviet era with special emphasis on the centuries of isolation which separated Russia from the mainstream of European development.

Recent Term(s) Offered: fall 2021

HIST 340 History of Popular Culture Since 1500 3 Hours

Examines popular culture from 1500 to the present, focusing especially on how popular culture evolved in reaction to social, economic, political, and technological change and from local, national, trans-Atlantic and global perspectives. Students engage the questions, debates, methods and approaches of popular culture history. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status and ENG 100 and (HIST 101 or HIST 102)

Recent Term(s) Offered: fall 2021

HIST 343 Communities of Struggle 3 Hours

Examines the relationship between distinct communities of struggle in Africa and the African Diaspora and the impact of African American social movements on a range of liberation struggles within this context.

Colonnade/Statewide General Education Code K-LG

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Equivalent(s): AFAM 343

Recent Term(s) Offered: spring 2021; spring 2022

HIST 347 Social History of the United States Since 1800 3 Hours

A topical study of the institutions and influences that have shaped American society in the nineteenth and twentieth centuries.

Recent Term(s) Offered: fall 2020; spring 2021

HIST 348 United States, 1900-1945 3 Hours

A study of the period 1900-1945, with special emphasis on the Progressive Movement, the Republican era, and the New Deal. Foreign affairs are related to domestic events and policy.

Recent Term(s) Offered: None

HIST 349 The United States Since 1945 3 Hours

A study of all phases of United States history since 1945.

Recent Term(s) Offered: spring 2021; spring 2022

HIST 352 Borderlands and the American West 3 Hours

An exploration of the history of borderlands regions with a particular focus on the North American West.

Recent Term(s) Offered: None

HIST 353 Native American History to 1865 3 Hours

A survey of Native American history in a global context prior to 1865, with an emphasis on legal frameworks and cultural, political, and economic exchange.

Recent Term(s) Offered: spring 2021; fall 2022

HIST 354 Native American History Since 1865 3 Hours

A survey of Native American history in a global context since 1865, with an emphasis on legal frameworks and cultural, political, and economic exchange.

Recent Term(s) Offered: None

HIST 358 Blacks in American History to 1877 3 Hours

A chronological study of African American history and culture from 1619 to 1877 with an emphasis on black contributions to American life and thought.

Equivalent(s): AFAM 358

Recent Term(s) Offered: fall 2020

HIST 359 Blacks in American History Since 1877 3 Hours

A chronological study of African American history and culture since 1877 with an emphasis on black contributions to American life and thought.

Equivalent(s): AFAM 359

Recent Term(s) Offered: None

HIST 360 History of Africa 3 Hours

A survey of the history of sub-Saharan Africa from the earliest times to the present.

Equivalent(s): AFAM 360

Recent Term(s) Offered: None

HIST 362 Genetics and Family History 3 Hours

A survey of how biological ideas have shaped narratives of family history, including the rise of DNA testing and genetic genealogy.

Recent Term(s) Offered: None

HIST 364 Colonial Latin America, 1400-1825 3 Hours

Political, social, and cultural development of Latin America since 1400, focusing on the Maya, Aztec, and Inca civilizations, the period of conquest and three centuries of Spanish and Portuguese colonization.

Colonnade/Statewide General Education Code K-SC

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2022

HIST 365 Modern Latin America, 1800-Present 3 Hours

A study of the political, social, economic and cultural development of Latin American republics from their independence in the early 19th century to the present. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2021

HIST 370 Modern South Asia: from Empires to Nations 3 Hours

A study of South Asia from the mid-eighteenth century to the present, focusing on the development of colonialism, capitalism, nationalism and feminism. Major topics include the collapse of the Mughal Empire, the rise and fall of the British Raj and the development of the nations of India, Pakistan and Bangladesh.

Recent Term(s) Offered: None

HIST 378 History of Yoga: Tradition, Literature, Practice 3 Hours

An historical overview of how the discipline of Yoga developed in ancient South Asia and how it has adapted to different social, political, and religious contexts as it achieved a global following. Students will be introduced to the history of the various Yogic traditions and the practices associated with them.

Prerequisite(s): HIST 101 with a minimum grade of C or HIST 102 with a minimum grade of C

Recent Term(s) Offered: None

HIST 379 Gandhi: The Creation of a Global Legacy 3 Hours

An exploration of the full range of Gandhi's political, spiritual, and moral concerns, beginning with his early years in South Africa and tracing Gandhi's transformation from a local activist to a leader with global influence. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2022

HIST 380 Human Rights in History 3 Hours

This course examines the historical origins of human rights, key disputes surrounding the content and legitimacy of human rights, and the enforcement of international humanitarian law in theory and practice.

Colonnade/Statewide General Education Code K-LG

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status and (HIST 101 or HIST 102)

Recent Term(s) Offered: fall 2020; fall 2022

HIST 390 Blacks in the American South 3 Hours

Seminar exploring the history and culture of blacks in the American South. Topics will include slavery, resistance, labor, literature, religion, inequality, leadership and the Civil Rights Movement. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2022

HIST 391 History of Sport 3 Hours

A study of topics and themes in the history of sport, as well as the historical context in which sport evolved. Note: Permission of instructor.

Colonnade/Statewide General Education Code K-SY

Prerequisite(s): (HIST 101 or HIST 102) and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2022

HIST 395 A Cultural History of Alcohol 3 Hours

An examination of the role that alcohol plays in historical development among various world cultures over time. Instructor may choose to focus on a specific region and/or time period. **Colonnade/Statewide General Education Code K-SC**

Equivalent(s): ART 395

Recent Term(s) Offered: fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

HIST 402 Pirates in World History 3 Hours

Myths and realities of piracy across the globe and throughout history using movies, novels, and historical narratives. Note: Permission of instructor.

Prerequisite(s): (HIST 101 or HIST 102)

Recent Term(s) Offered: spring 2021

HIST 404 History of Ancient Egypt 3 Hours

A study of ancient Egyptian civilization with attention to the rediscovery of ancient Egypt by modern scholars and the development of the discipline of Egyptology.

Recent Term(s) Offered: None

HIST 407 The Crusades: West Meets East 3 Hours

A study of the idea of holy war and political, social, and cultural interaction in the Mediterranean World from 1000 to 1300. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2021

HIST 419 Tudor-Stuart England 3 Hours

A study of the principal political, economic, social, religious, and cultural developments in British history from the beginning of the Tudor dynasty in 1485 to the end of the Stuart dynasty in 1714.

Recent Term(s) Offered: None

HIST 420 History of Sexuality 3 Hours

Survey of how past societies and cultures have interpreted human sexual behavior and identities. Note: Permission of instructor. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): (HIST 101 or HIST 102) and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

HIST 421 Environmental History 3 Hours

Survey of major themes, legal frameworks, and social movements in environmental history.

Recent Term(s) Offered: None

HIST 422 The French Revolution and Napoleon 3 Hours

A survey of the period 1789 to 1815 with special emphasis on the political, economic, and social events leading to the birth of modern France.

Recent Term(s) Offered: fall 2021

HIST 423 A Global History of the First World War 3 Hours

The origins, conduct, and lasting international legacy of the First World War (1914-1918).

Recent Term(s) Offered: None

HIST 425 Modern Germany 3 Hours

A survey of German history from the early nineteenth century to the present.

Recent Term(s) Offered: None

HIST 426 Hitler and Nazi Germany 3 Hours

A detailed study of German history between 1933 and 1945, emphasizing political, economic, social, diplomatic, and military aspects.

Recent Term(s) Offered: spring 2022

HIST 428 England Since 1914 3 Hours

A detailed study of the political, intellectual, cultural, and socioeconomic developments that transformed England into a welfare state and its empire into a commonwealth of nations.

Recent Term(s) Offered: None

HIST 430 History of the Civil Rights Movement in America 3 Hours

Survey of the struggle for the civil rights and social justice in the 20th century America. Note: Permission of instructor. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): (HIST 101 or HIST 102) and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2021

HIST 432 Coffee & Chocolate: Food in World History 3 Hours

Exploration of the history of food, and its relationship to trends in world history. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): HIST 101 or HIST 102 and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: None

HIST 438 Twentieth Century Russia 3 Hours

A survey of the decline of Imperial Russia, the age of Revolution, and the maturation of the Soviet state.

Recent Term(s) Offered: spring 2021

HIST 439 Rise and Decline of Communism 3 Hours

A study of the origins, development, and decline of international communism.

Recent Term(s) Offered: None

HIST 440 Colonial North America to 1763 3 Hours

The background, founding and development of the North American colonies, emphasizing political, social, cultural, and economic institutions. Note: Permission of instructor.

Prerequisite(s): (HIST 101 or HIST 102)

Recent Term(s) Offered: spring 2020; fall 2021

HIST 441 The American Revolution and Early Republic, 1763-1815 3 Hours

A study of the origins, progress, and immediate aftereffects of the American Revolution from the Crisis of the 1760s through the War of 1812, including local, regional, and global contexts.

Recent Term(s) Offered: spring 2021; fall 2022

HIST 442 The Age of Jackson, 1815-1850 3 Hours

A detailed study of social, political, and economic events from the War of 1812 through the War with Mexico.

Recent Term(s) Offered: spring 2020

HIST 443 Civil War and Reconstruction, 1850-1877 3 Hours

A study of the origins and course of the war, including an analysis of military, social, cultural, and diplomatic events, as well as significant developments during the era of Reconstruction. Occasional field trips to Civil War sites.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; summer 2021; fall 2021; spring 2022; summer 2022

HIST 444 Gilded Age America 3 Hours

A study of American history and culture from the end of Reconstruction to the early twentieth century, emphasizing social, political, cultural, and regional development.

Recent Term(s) Offered: None

HIST 445 American Legal History to 1865 3 Hours

A survey of the development of American law and its relationship to political, economic, and social trends in antebellum American society.

Recent Term(s) Offered: fall 2020; spring 2022

HIST 446 American Legal History Since 1865 3 Hours

A survey of the development of American law and its relationship to political, economic, and social trends in modern American society.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HIST 447 History of American Popular Culture 3 Hours

Introduction to the central role popular culture has played in United States history and consciousness from the nineteenth century to the present. Note: Permission of instructor. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): (HIST 101 or HIST 102) and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; fall 2021

HIST 448 American Biographies 3 Hours

The lives of famous Americans, the times in which they lived, and the skills of their biographers.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

HIST 449 Korea and Vietnam 3 Hours

A detailed study of both the Korean and Vietnam conflicts and how they related to the overall foreign policy of the U.S.

Recent Term(s) Offered: spring 2020

HIST 450 Diplomatic History of the United States to 1898 3 Hours

An analysis of American diplomacy from the colonial period through the Spanish-American War.

Recent Term(s) Offered: None

HIST 451 Diplomatic History of the United States Since 1898 3 Hours

An analysis of American diplomacy from the Spanish-American War to the present.

Recent Term(s) Offered: None

HIST 453 American Women's History 3 Hours

Social, cultural, and political history of American women from pre-colonial times to the present.

Recent Term(s) Offered: spring 2020; spring 2022

HIST 454 History of Religion in America 3 Hours

A survey of the development of religion in America. Among the subjects covered will be the separation of church and state and American civil religion.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HIST 456 Kentucky History 3 Hours

A study of the political, economic, social, and cultural development of the state from pioneer days. Local development is also stressed.

Recent Term(s) Offered: winter 2020

HIST 457 Old South 3 Hours

Intellectual, cultural, political, economic, and racial ideologies of the American south, focusing on the period between 1800 and 1860.

Recent Term(s) Offered: spring 2021

HIST 458 New South 3 Hours

Intellectual, cultural, political, economic, and racial ideologies of the American south from the Civil War until the end of the twentieth century.

Recent Term(s) Offered: None

HIST 460 Traditional East Asia 3 Hours

A survey of the political, socioeconomic, intellectual, and cultural history of China and Japan from ancient times to 1600.

Recent Term(s) Offered: None

HIST 461 Modern East Asia 3 Hours

A survey of the political, socioeconomic, intellectual, and cultural history of China and Japan since 1600.

Recent Term(s) Offered: None

HIST 462 History of the Middle East 3 Hours

A study of the history, religion, and culture of the Middle East from the rise of Islam until the present. **Colonnade/Statewide General Education Code K-LG**

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HIST 463 The Atlantic World 3 Hours

A study of the areas touched by the Atlantic Ocean in the period from the 1300s through the early 1800s, focusing on the intersections of African, Native American, and European cultures. Note: Permission of instructor. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status and (HIST 101 or HIST 102)

Recent Term(s) Offered: None

HIST 464 Latin America and the United States 3 Hours

An intensive study of the relations between Latin America and the United States.

Recent Term(s) Offered: fall 2020

HIST 465 The Mexican Republic 3 Hours

A study of Mexico from 1824 to the present.

Recent Term(s) Offered: spring 2020

HIST 466 The Arab-Israeli Conflict: Local and Global Influences 3 Hours

The main focus of the course is on the twentieth-century history of Arab-Zionist relations, and the local and global impact of these relations, but a number of readings will provide valuable insights into the history of the Jewish Diaspora and the political, economic, and social situation in Palestine in the nineteenth century. This course will expose the student to different interpretations regarding the origins of the Arab-Israeli conflict and enable her/him critically to examine the arguments advanced by different parties and actors. Also, this course will offer the student ample opportunity critically to discuss, both orally and in writing, the merits of Zionist, Palestinian, and other Arab arguments regarding the Arab-Israeli conflict as reflected in primary sources and draw independent conclusions with respect to the origins and global impact of the conflict. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: None

HIST 471 Modern China 3 Hours

A study of the rise of modern China since the seventeenth century, focusing on the decline of the imperial system, the revolutionary struggle, and the triumph of Communism.

Recent Term(s) Offered: None

HIST 472 Modern Japan 3 Hours

An analysis of Japanese history since 1600 with special emphasis on the forces, events, and personalities that transformed Japan from a feudal to a modern state.

Recent Term(s) Offered: None

HIST 479 Topics in World History 3 Hours (repeatable max of 6 hrs)

An intensive study of a selected world history topic.

Recent Term(s) Offered: None

HIST 480 A Social History of Science 3 Hours

A study of the cultural and intellectual impact that science has had on the West with an emphasis on the period since the seventeenth century.

Recent Term(s) Offered: None

HIST 481 The Rise and Fall of the Confederacy 3 Hours

An overview of the Confederate States of America. Topics covered will include nationalism, race, politics, religion, and leadership.

Prerequisite(s): (HIST 101 or HIST 102) and HIST 240

Recent Term(s) Offered: None

HIST 489 Cooperative Education in History 3 Hours (repeatable max of 6 hrs)

Practical experience in a supervised work station with a cooperating library, museum, archives, or other appropriate organization. Note:

Application for or enrollment in Cooperative Education plan, approval of departmental co-op faculty advisor, and development of a Learning Plan. May be repeated once with departmental approval, but only 3 credit hours will count toward history major requirements.

Recent Term(s) Offered: spring 2022

HIST 490 Advanced Topics in History I 3 Hours (repeatable max of 24 hrs)

An advanced, semester-long study of a specified topic in history

Recent Term(s) Offered: winter 2020; spring 2020; spring 2021; winter 2022; spring 2022; summer 2022; fall 2022

HIST 491 Advanced Topics in History II 3 Hours (repeatable max of 24 hrs)

An advanced, semester-long study of a specified topic in history

Recent Term(s) Offered: fall 2020; spring 2022

HIST 492 History of Canada 3 Hours

A survey of Canada's history and heritage, with special emphasis on Canadian-American relations and interdependency.

Recent Term(s) Offered: None

HIST 494 U S Military History 3 Hours

A study that focuses upon the role of the military in American history.

Political, economic, social, and cultural aspects of U.S. history are also covered as they pertain to the military. Note: MIL 301, MIL 302 (for ROTC cadets), junior status for all others.

Recent Term(s) Offered: spring 2021; fall 2022

HIST 498 Senior Seminar 3 Hours

A capstone course designed for senior history and social studies majors. This seminar will deal with themes that challenge the student to develop an overview of history.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HIST 499 Advanced Individual Study 1-3 Hours (repeatable max of 6 hrs)

A research problem or intensive readings directed by a faculty member.

Note: Requires a 3.0 average in at least 21 hours of history.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021

Honors (HON)

HON 105 Reading the World: Contemporary Cultural Literacy 1 Hour (repeatable max of 3 hrs)

Intensive weekly discussion and contextualization of current events, with a view to preparing students for national and international scholarship competitions. Students will be evaluated on the basis of their engagement in discussion and quality of a final essay written in the style of a major scholarship application. Note: 3.2 GPA or permission of instructor required.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HON 175 Honors University Experience-Leadership 3 Hours

Topics include advanced study skills, critical thinking skills, explorations of majors and careers, degree programs, campus resources and personal development. Special attention is given to educational requirements and opportunities within the University Honors College, leadership education, and developing leadership behaviors and skills. Note: For beginning college freshmen or transfer students with fewer than 24 hours of credit who are accepted into the Honors College.

Recent Term(s) Offered: None

HON 200 Honors Colloquium 1.5 Hour

No course description is available

Recent Term(s) Offered: None

HON 203 Independent Research 1-3 Hours (repeatable max of 3 hrs)

Independent research allowing students to engage in research, creative activities, or in-depth study of a topic under the direction of a faculty member.

Recent Term(s) Offered: None

HON 250 Honors Practicum I 1-3 Hours (repeatable max of 6 hrs)

First semester course offering a supervised practical experience for honors students. Note: Good standing in the Honors College required.

Recent Term(s) Offered: spring 2021; fall 2022

HON 251 Citizen and Self 3 Hours

A focus on the theoretical knowledge and practical skills that will lay the foundation for becoming an effective citizen. Students will participate in large group lecture and small group seminars. Note: Good standing in the Honors College or Honors eligibility (minimum 3.2 GPA).

Prerequisite(s): Honors Course Eligibility

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HON 275 Honors Internship I 3 Hours

First semester course offering practical experience for honors students in a supervised work situation with a cooperative organization, agency, or entity. Note: Good standing in the Honors College required.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HON 300 Honors Colloquium 1-4 Hours (repeatable max of 6 hrs)

The Honors Colloquium strives to be interdisciplinary in nature and allows faculty members to address historical debates or contemporary issues.

The goal is to allow students to participate in and lead discussions on various aspects of issues of contemporary, historical or intellectual significance. The topic of the course is selected by the faculty member offering the Colloquia.

Recent Term(s) Offered: winter 2020; winter 2021; spring 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

HON 301 Honors Colloquium 1-4 Hours (repeatable max of 6 hrs)

The Honors Colloquium strives to be interdisciplinary in nature and allows faculty members to address historical debates or contemporary issues.

The goal is to allow students to participate in and lead discussions on various aspects of issues of contemporary, historical or intellectual significance. The topic of the course is selected by the faculty member offering the Colloquia.

Recent Term(s) Offered: None

HON 303 Independent Research 1-3 Hours (repeatable max of 6 hrs)

Independent research allowing students to engage in research, creative activities, or in-depth study of a topic under the direction of a faculty member.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

HON 350 Honors Practicum II 1-3 Hours (repeatable max of 3 hrs)

Second semester course offering a supervised, practical experience for honors students. Note: Good standing in the Honors College required.

Prerequisite(s): HON 250 (may be taken concurrently)

Recent Term(s) Offered: spring 2022

HON 375 Honors Internship II 3 Hours

Prerequisite(s): HON 275 (may be taken concurrently) and good standing in the Honors College
Second semester course offering practical experience for honors students in a supervised work situation with a cooperative organization, agency, or entity.

Prerequisite(s): HON 275 (may be taken concurrently)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HON 402 CE / T Proposal Writing Course 1 Hour

Assistance in formulating and writing a Capstone Experience/Thesis (CE/T) proposal. Note: Must be an Honor College student or have instructor permission.

Prerequisite(s): Honors Course Eligibility ENG 100

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HON 403 Honors Thesis / Project I 1-3 Hours (repeatable max of 3 hrs)

First three credit hours of 6-hour Capstone Experience/Thesis Project (CE/T).

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HON 404 Honors Thesis / Project II 1-3 Hours (repeatable max of 3 hrs)

Final three credit hours of 6-hour Capstone Experience/Thesis Project (CE/T).

Prerequisite(s): HON 403

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HON 490 Special Topics 3 Hours (repeatable max of 6 hrs)

A detailed study of selected topics. May be repeated once for credit.

Recent Term(s) Offered: fall 2021; spring 2022; fall 2022

Horticulture (HORT)

HORT 209 Floral Design 3 Hours

Principles and elements of floral design; the use of floral materials, design techniques, and elements including line, form, texture, and color; emphasis on the history and use of floral art in business and society.

Course Fee: \$125

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HORT 301 Introduction to Landscape Plants 2 Hours

Identification, recognition and use of deciduous trees, shrubs and herbaceous plants in the landscape. Introduction to evergreen shrubs and trees as well as fall flowering bulbs and perennials are included.

Prerequisite(s): AGRO 110 (may be taken concurrently)

Corequisite(s): HORT 302

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HORT 302 Introduction to Landscape Plants Laboratory 1 Hour

A laboratory course correlated with HORT 301.

Corequisite(s): HORT 301

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HORT 304 Landscape Maintenance 2 Hours

Maintenance of landscape plants including trees, shrubs, annuals, perennials, and turf; proper use of equipment, fertilizers, and pesticides. Landscape maintenance business practices are included.

Prerequisite(s): AGRO 110 (may be taken concurrently)

Corequisite(s): HORT 305

Recent Term(s) Offered: None

HORT 305 Landscape Maintenance Laboratory 1 Hour

A laboratory course correlated with HORT 304.

Corequisite(s): HORT 304

Recent Term(s) Offered: None

HORT 309 Advanced Floral Design 3 Hours

Advanced principles of floral design as applied to a commercial floral shop enterprise. Production cost and profit analysis, selling techniques, and customer relations are considered concurrently with design.

Prerequisite(s): HORT 209

Course Fee: \$125

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022; fall 2022

HORT 312 Introduction to Horticulture 3 Hours

Emphasis is given to principles of growth, development and management of major horticulture plants. Special consideration is given to major horticultural crops of Kentucky.

Prerequisite(s): AGRO 110 (may be taken concurrently)

Recent Term(s) Offered: spring 2021; spring 2022

HORT 313 Turfgrass Management 3 Hours

A study of turfgrass, including adaption, identification, uses and fundamental principles essential for establishing and maintaining quality turf in lawns and recreation areas. Note: Permission of instructor may be required.

Prerequisite(s): AGRO 110

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HORT 316 Greenhouse Maintenance and Operation 2 Hours

Structures, equipment, and maintenance of greenhouse facilities and an introduction to basic techniques for growing floriculture crops.

Corequisite(s): HORT 317

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HORT 317 Greenhouse Maintenance and Operation Laboratory 1 Hour

A laboratory course correlated with HORT 316.

Corequisite(s): HORT 316

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HORT 330 Wedding Floral Design 3 Hours

Principles and elements of floral design as applied to wedding planning and design. Includes production cost and profit analysis and marketing techniques.

Prerequisite(s): HORT 209

Course Fee: \$150

Recent Term(s) Offered: fall 2020; summer 2021; fall 2022

HORT 340 Greenhouse Crop Production 3 Hours

Commercial greenhouse production of floriculture crops, focusing on the production of bedding plants, potted flowering plants, foliage plants and other non-floriculture crops including but not limited to hemp and tobacco transplants.

Prerequisite(s): HORT 316 and HORT 317

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

HORT 401 Landscape Plants II 2 Hours

Identification, recognition and use of landscape plants; with emphasis on evergreens, annuals, perennials and bulbs, winter effect and flowering sequence of deciduous trees and shrubs will be included. Note: Permission of instructor may be required.

Prerequisite(s): HORT 301

Corequisite(s): HORT 402

Recent Term(s) Offered: None

HORT 402 Landscape Plants II Laboratory 1 Hour

A laboratory course correlated with HORT 401.

Corequisite(s): HORT 401

Recent Term(s) Offered: None

HORT 403 Landscape Design and Construction 2 Hours

Design of residential and commercial landscapes; techniques and materials for construction of landscape features such as decks, patio covers, walls, patios, pools, and irrigation are presented. Note: Permission of instructor may be required.

Prerequisite(s): HORT 402

Corequisite(s): HORT 404

Recent Term(s) Offered: spring 2020; spring 2021

HORT 404 Landscape Design and Construction Laboratory 1 Hour

A laboratory course correlated with HORT 403.

Corequisite(s): HORT 403

Recent Term(s) Offered: spring 2020; spring 2021

HORT 405 Nursery Management 2 Hours

An introduction to the organization and management of a landscape plant nursery for container and field grown stock. Students will design and plan a working nursery for south central Kentucky.

Prerequisite(s): AGRO 110 (may be taken concurrently)

Corequisite(s): HORT 406

Recent Term(s) Offered: None

HORT 406 Nursery Management Laboratory 1 Hour

A laboratory course correlated with HORT 405.

Corequisite(s): HORT 405

Recent Term(s) Offered: None

HORT 407 Plant Propagation 2 Hours

Plant propagation is studied and practiced as an art and a science.

Sexual and asexual techniques include propagation by seed, cuttings, grafting, layering, division and tissue culture.

Prerequisite(s): AGRO 110 (may be taken concurrently)

Corequisite(s): HORT 408

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

HORT 408 Plant Propagation Laboratory 1 Hour

A laboratory course correlated with HORT 407.

Corequisite(s): HORT 407

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

HORT 419 Fruit, Vegetable, and Vineyard Production 3 Hours

Production of fruit, vegetables, and grapes (wine and table) that are particularly suited for Kentucky, considering variety selection, management, harvesting, processing, and marketing. Note: Permission of instructor may be required.

Prerequisite(s): AGRO 110 (may be taken concurrently)

Recent Term(s) Offered: spring 2020; spring 2022

HORT 420 Floral Shop Management 3 Hours

Principles of floral shop management, including sourcing, purchasing, distributing, marketing and selling floricultural products. Note: Permission of instructor required.

Restriction(s): Enrollment is limited to students in Floristry (369)

Recent Term(s) Offered: spring 2020; fall 2021

HORT 475 Selected Topics in Agriculture 1-3 Hours

Special topics acquaint advanced undergraduate students with scientific developments of current interest in agriculture. Appropriate topic titles are assigned. Lecture and assignments vary with credit. May be repeated with change in content. Note: Consent of instructor required.

Recent Term(s) Offered: spring 2020; fall 2020

Hospitality Mgt/Dietetics (HMD)

HMD 150 Gourmet Foods 3 Hours

An introduction to principles and aesthetics of food preparation characteristic of American and other cuisines of the world. Preparation of food and table service for different types of meal functions are involved.

Course Fee: \$75

Recent Term(s) Offered: fall 2022

HMD 151 Food Science 3 Hours (repeatable max of 3 hrs)

Introduction to the study of the basic principles of food science as they apply to food preparation. Application of principles include preparation and evaluation of food products.

Restriction(s): Enrollment is limited to students in Family Consumer Sciences (563), Hospitality Mgt Dietetics (707) or Hospitality Mgt/Dietetics-Prep (707P)

Course Fee: \$75

Recent Term(s) Offered: fall 2020; fall 2021; spring 2022; fall 2022

HMD 152 Food Service Sanitation 1 Hour

Examines the causes and prevention of foodborne illness. Identifies hazards in food service operations. The course culminates with a nationally recognized food safety and sanitation exam.

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022; fall 2022

HMD 171 Introduction to Management in the Hospitality Industry 3 Hours

Study of the evolution of the hospitality industry. Organizational systems and management career potentials are examined. Hospitality services are viewed from both consumer and business perspectives.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HMD 201 Introduction to Dietetics 1 Hour

Introduction to dietetics including academic and professional preparation.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HMD 211 Human Nutrition 3 Hours

Study of nutrients essential to human life and well-being. Nutrients are studied relative to their function in metabolism, sources in food, and relationship to health. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

HMD 251 Commercial Food Preparation 3 Hours (repeatable max of 3 hrs)

Study and application of commercial food preparation processes including selection, storage, presentation of food products, and the effective utilization of resources.

Prerequisite(s): (FACS 151 with a minimum grade of C or CFS 151 with a minimum grade of C or HMD 151 with a minimum grade of C) and (HMD 152 with a minimum grade of C or CFS 152 with a minimum grade of C or FACS 152 with a minimum grade of C)

Restriction(s): Enrollment is limited to students in Hospitality Mgt Dietetics (707) or Hospitality Mgt/Dietetics-Prep (707P)

Course Fee: \$75

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

HMD 252 Hospitality Information Technology 3 Hours

Study of computer applications in hotel, restaurant, and tourism management, and dietetics. Specific applications: spreadsheets, word-processing, reservation systems, accounting systems, and nutritional analysis.

Restriction(s): Enrollment is limited to students in Hospitality Management (245), Hospitality Mgt Dietetics (707) or Hospitality Mgt/Dietetics-Prep (707P)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

HMD 271 Tourism Planning and Development 3 Hours

Evaluation of international and domestic travel, tourism, economics, and cultural impact. Examination of tourism management, meeting planning, travel systems, food and lodging systems, and tourist attractions. Students are responsible for any field trip expenses and transportation.

Colonnade/Statewide General Education Code K-LG

Recent Term(s) Offered: summer 2020; fall 2020; winter 2021; summer 2021; fall 2021; winter 2022; summer 2022; fall 2022

HMD 275 Restaurant & Retail Management 3 Hours

Identify and evaluate elements involved in successful concept creation and operation of a restaurant and retail. Field trips at student's expense.

Prerequisite(s): HMD 151

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

HMD 276 Lodging Operations 3 Hours

Study of hotel and lodging operations, including analyses of the functions of revenue-generating and support departments. Students are responsible for any field trip expenses and transportation.

Prerequisite(s): (FACS 171 with a minimum grade of C or CFS 171 with a minimum grade of C or HMD 171 with a minimum grade of C)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HMD 313 Practicum in Hospitality Management 3-6 Hours (repeatable max of 6 hrs)

Supervised work experience in event management and tourism. Practicum sites must be approved by the instructor. Students are required to find their own practicum site and provide their own transportation to the site. Repeatable up to a maximum of six hours.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Equivalent(s): FACS 313

Recent Term(s) Offered: summer 2020; summer 2021; summer 2022

HMD 340 Nutrition Assessment 3 Hours

Application of dietary, anthropometric and biochemical assessment methods for the determination of nutrition status. Includes utilization of the Nutrition Care Process.

Prerequisite(s): HMD 211 and BIOL 131 and (CHEM 105 or CHEM 109)

Corequisite(s): HMD 361

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HMD 351 Human Resource Management in the Hospitality Industry 3 Hours

Study of management and human resource systems common to the hospitality industry. Case studies, role plays, and simulations are used to examine management and human resource problems unique to hotels, restaurants, and institutions.

Prerequisite(s): (FACS 251 with a minimum grade of C or CFS 251 with a minimum grade of C or HMD 251 with a minimum grade of C)

Recent Term(s) Offered: spring 2020; summer 2020; spring 2021; summer 2021; spring 2022; summer 2022

HMD 353 Menu Planning and Purchasing 3 Hours

Study of menu development, including planning and purchasing practices. Students are responsible for any field trip expenses and transportation.

Prerequisite(s): (FACS 251 with a minimum grade of C or CFS 251 with a minimum grade of C or HMD 251 with a minimum grade of C)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

HMD 354 Cost Control in the Hospitality Industry 3 Hours

Study of the financial aspects of hospitality operations to include budgeting, forecasting, financial analysis, and managerial accounting.

Prerequisite(s): (CFS 252 with a minimum grade of C or FACS 252 with a minimum grade of C or HMD 252 with a minimum grade of C)

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022

HMD 360 Advanced Nutrition 3 Hours

An in-depth examination of the biochemical and physiological functions of nutrients and their relationships to health and disease. The digestion, absorption, transport, and excretion of nutrients are discussed.

Includes the regulation and integration of metabolic pathways.

Prerequisite(s): HMD 211 and BIOL 131 and (CHEM 107 or CHEM 109)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

HMD 361 Life Stage Nutrition 3 Hours

Study of nutritional requirements of individuals throughout the life cycle. Students are responsible for any field experience expenses and transportation.

Prerequisite(s): HMD 211 and BIOL 131 and (CHEM 105 or CHEM 109)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HMD 362 Medical Nutrition Therapy I 4 Hours

Study of the scientific principles of human nutrition in relation to health and disease. Emphasis is placed on nutritional assessment and planning of nutrition intervention strategies for specific disease conditions.

Prerequisite(s): HMD 340 and HMD 360 (may be taken concurrently)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

HMD 364 Sports Nutrition 3 Hours

Includes determination of optimum carbohydrate, protein, fat, vitamins, minerals, and fluid intake of athletes for health and performance; evaluation of supplements and nutrition information for athletes. For those interested in working with athletes and their diets.

Prerequisite(s): (FACS 111 or HMD 111 or CFS 111 or CFSC 111C or FCS 111C or HMD 211 or HMDT 111C)

Recent Term(s) Offered: fall 2022

HMD 367 Nutrition in Aging 3 Hours

Explores the nutritional requirements of individuals throughout the aging process. Students are responsible for any field trip expenses and transportation. Note: Permission of instructor may be required may be required.

Prerequisite(s): (CFS 111C with a minimum grade of C or FACS 111 with a minimum grade of C or HMD 111 with a minimum grade of C or CFSC 111C with a minimum grade of C or HMD 211 with a minimum grade of C)

Recent Term(s) Offered: None

HMD 368 Dietary and Herbal Supplements 3 Hours

Current topics related to dietary supplements. Regulatory guidelines and issues related to production, marketing, safety, and efficacy are addressed.

Prerequisite(s): (FACS 111 with a minimum grade of C or HMD 111 with a minimum grade of C or CFS 111 with a minimum grade of C or CFSC 111C with a minimum grade of C or FCS 111C with a minimum grade of C or FACS 111C with a minimum grade of C or HMD 211 with a minimum grade of C or HMDT 111C with a minimum grade of C)

Recent Term(s) Offered: None

HMD 373 Hospitality and Tourism Marketing 3 Hours

Examines the scope and implementation of specialized marketing activities across a range of organizations in the hospitality and tourism industry.

Prerequisite(s): (CFS 271 with a minimum grade of C or FACS 271 with a minimum grade of C or HMD 271 with a minimum grade of C)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HMD 375 Meeting and Convention Management 3 Hours

Examines planning and management of conventions, meetings, trade shows and exhibitions. Students are responsible for any field experience expenses and transportation.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; summer 2021; fall 2021; summer 2022; fall 2022

HMD 378 Legal Environment of Hospitality and Tourism 3 Hours

Study of legal aspects of hospitality and tourism operations including legal relationships with guests and other patrons, food and beverage liability, employment, negligence and contracts.

Prerequisite(s): HMD 271

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HMD 410 Internship in Hospitality Management 1-3 Hours (repeatable max of 12 hrs)

Supervised work experience in hospitality management and tourism. Internship sites must be approved by the instructor. Students are required to find their own internship site and provide their own transportation to the site. Repeatable up to a maximum of twelve hours.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; summer 2021; summer 2022

HMD 452 Quality and Service Management in the Hospitality Industry 3 Hours

In-depth investigation of management theories, leadership, and incorporating quality-service principles. Students are responsible for any field experience expenses and transportation.

Prerequisite(s): HMD 251

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; fall 2022

HMD 459 Senior Seminar in Hospitality Management and Dietetics 1 Hour

Course focuses on professional career development. Students are responsible for any field experience expenses and transportation.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in Hospitality Mgt Dietetics (707) or Hospitality Mgt/Dietetics-Prep (707P)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HMD 461 Application of Nutrition Theory and Research 3 Hours

Provides the student with evidence-based research knowledge and skills in dietetic practice.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in Hospitality Mgt Dietetics (707) or Hospitality Mgt/Dietetics-Prep (707P)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

HMD 462 Medical Nutrition Therapy II 4 Hours

Continued study of the analysis of the scientific principles of human nutrition in relation to health and disease. Emphasis is placed on intervention strategies for specific disease conditions and disorders. Includes laws, regulations and standards related to dietetic practice.

Prerequisite(s): (FACS 362 or HMD 362)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HMD 464 Practicum in Dietetics 3 Hours

Supervised dietetics-related field experience. Practicum sites must be approved by the instructor. Students are responsible for field experience expenses and transportation.

Prerequisite(s): HMD 362

Restriction(s): Enrollment is limited to students in Hospitality Mgt Dietetics (707)

Recent Term(s) Offered: summer 2020; summer 2021; summer 2022

HMD 465 Community Nutrition 3 Hours

Review of community resources, delivery of nutrition education, and counseling in diverse populations. Students are responsible for any field experience expenses and transportation.

Prerequisite(s): HMD 361

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HMD 470 Advanced Lodging Management 3 Hours

Study of ethical decision making, risk management, preparation and analysis of financial information, feasibility studies and trends in the lodging industry.

Prerequisite(s): (FACS 276 with a minimum grade of C or CFS 276 with a minimum grade of C or HMD 276 with a minimum grade of C)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

HMD 471 Food Service Operations Management 3 Hours

Study and application of principles of food service operations. Students are responsible for any field trip expenses and transportation.

Prerequisite(s): HMD 251

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

HMD 472 Strategic Management in the Hospitality Industry 3 Hours

Identification of problems, solutions, and the implementation of effective business and corporate strategies. Students are responsible for any field experience expenses and transportation.

Prerequisite(s): HMD 373

Restriction(s): Enrollment limited to students with a semester level of Post-Baccalaureate-Degree Seek or Senior.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

HMD 473 Beverage Management 3 Hours

Management of beverage operations, including alcoholic and non-alcoholic beverages; risk-liability management; staff training and responsible customer service; beverage pricing and cost control; and food and beverage pairings. Field trips/travel at student's expense. Note: Permission of instructor may be required and must be 21 years of age with valid ID.

Prerequisite(s): HMD 251 and HMD 275

Recent Term(s) Offered: spring 2020; fall 2021; fall 2022

HMD 475 Advanced Hospitality Event Planning 3 Hours

Identification of various elements involved in successful planning of hospitality events. Students will learn how to design, plan, and evaluate professional events. An event planning project will be required for successful completion of the course. Field trips at student's expense.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: spring 2021; spring 2022

HMD 476 Global Hospitality and Cuisine 3 Hours

Exploration of regional foods, food preparation techniques, the food service industry, hospitality businesses, hospitality customs, and hospitality management practices in the country(s) being visited. Experiential explorations of food and culture. (Regions vary per term.)

Colonnade/Statewide General Education Code K-IE

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: None

Humanities Semester (HUM)

HUM 171 Fine Arts of Medieval and Renaissance Europe 3 Hours

A study of art and architecture in the Middle Ages and Renaissance which includes the great cathedrals and the Renaissance masters.

Colonnade/Statewide General Education Code AH

Corequisite(s): HUM 173, HUM 170, HUM 172

Recent Term(s) Offered: None

HUM 172 Literature of Medieval and Renaissance Europe 3 Hours

A literary survey of the Middle Ages and Renaissance, which includes Beowulf, Chaucer, Dante and Shakespeare. **Colonnade/Statewide General Education Code AH**

Corequisite(s): HUM 173, HUM 170, HUM 171

Recent Term(s) Offered: None

HUM 173 Philosophy and Religion of Medieval and Renaissance Europe 3 Hours

A study of the major philosophical and religious developments from St. Augustine through the Reformation. **Colonnade/Statewide General Education Code AH**

Corequisite(s): HUM 172, HUM 170, HUM 171

Recent Term(s) Offered: None

HUM 181 Fine Arts of the Modern Western World 3 Hours

A study of painting, sculpture, and architecture from the late eighteenth century to the present. **Colonnade/Statewide General Education Code AH**

Corequisite(s): HUM 183, HUM 182

Recent Term(s) Offered: None

HUM 182 Literature of the Modern Western World 3 Hours

This course surveys the great literary works of the past two centuries in the West. **Colonnade/Statewide General Education Code AH**

Corequisite(s): HUM 183, HUM 181

Recent Term(s) Offered: None

HUM 183 Philosophy and Religion of the Modern Western World 3 Hours

A study of philosophical and religious developments in the contemporary period. **Colonnade/Statewide General Education Code AH**

Corequisite(s): HUM 182, HUM 181

Recent Term(s) Offered: None

HUM 191 Fine Arts of Ancient Greece and Rome 3 Hours

A study of classical painting, sculpture, and architecture. **Colonnade/Statewide General Education Code AH**

Recent Term(s) Offered: None

HUM 192 Literature and Drama of Ancient Greece and Rome 3 Hours

This course includes the works of the Greek tragedians, Homer, Aristophanes, and Vergil. **Colonnade/Statewide General Education Code AH**

Recent Term(s) Offered: None

HUM 193 Philosophy and Religion of Ancient Greece and Rome 3 Hours

A survey of the Greek gods and such philosophers as Socrates, Plato, Aristotle, and Augustine. **Colonnade/Statewide General Education Code AH**

Recent Term(s) Offered: None

HUM 240 Geometry in Art and Architecture 3 Hours

Euclidean geometry with historical applications in art and architecture, such as tiling, circular and spiral designs, designs of the great cathedrals in Europe, Buddhist stupas in Asia, Islamic art, the development of visual perspective, and musical ratios. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): (MATH 112 with a minimum grade of B or MATH 115 with a minimum grade of B or MATH 116 with a minimum grade of B or MATH 117 with a minimum grade of B or MATH 109 with a minimum grade of B or MATH 136 with a minimum grade of B or MATH 142 with a minimum grade of B or MATH 183 with a minimum grade of B) and 21 hours of Foundations and Explorations Courses, or junior status

Equivalent(s): MATH 240

Recent Term(s) Offered: None

Information Systems-So Campus (INS)

INS 181C Computer Programming I 3 Hours

This course provides an introduction to program design and development. A structured approach to problem solving, program definition and design methodologies is stressed. The student will be assigned several programming problems.

Prerequisite(s): (DMA 096C with a minimum grade of C or MPE - Algebra with a score of 14 or SAT Mathematics Score with a score of 510 or ACT Math with a score of 22 or KYOTE College Algebra with a score of 14 or Compass - College Algebra with a score of 50 or MATH 100 with a minimum grade of C or MA 100C with a minimum grade of C)

Recent Term(s) Offered: None

INS 182C Computer Operating System 3 Hours

This course provides a thorough study of an operating system command set. This includes topics in file management, disk organization, memory management, virus safeguarding and system configuration.

Recent Term(s) Offered: None

INS 270C Electronic Spreadsheets 3 Hours

This course provides the student the foundation needed to utilize a spreadsheet for business applications. Design concepts, databases, charts and macros will be examined thoroughly along with the major built-in functions. Students will design several spreadsheets both in and out of class to solve specific business problems.

Recent Term(s) Offered: None

INS 272C Database Management 3 Hours

This course addresses the design and maintenance of a database system. Topics of emphasis are writing of data queries, data redundancy and validation, sorting, reporting, and database programming. The student will design, create and manipulate several databases and also write database programs.

Recent Term(s) Offered: None

INS 275C Web Page Design 3 Hours

Covers web page design concepts and practice. Students will utilize software to design web pages and web sites that are attractive, user friendly, and functional. Emphasis is on both planning and creating a web site.

Recent Term(s) Offered: None

INS 281C Computer Programming II 3 Hours

This course is a continuation of INS 181. An introduction to simple data structures and their applications is included. The student will be assigned several programming problems.

Prerequisite(s): INS 181C

Recent Term(s) Offered: None

INS 285C Advanced Software Applications 3 Hours

This course provides the opportunity for the students to install, configure, evaluate and use a variety of software applications on single user systems and in a network environment. Software proficiency is emphasized as the need for end-user support is vital in both networked and stand-alone systems. This course will provide problem recognition and problem resolution experience at the system and application level.

Recent Term(s) Offered: None

INS 288C Network Administration 3 Hours

This course provides the student the opportunity to analyze a system at the network operating system (NOS) level. A NOS will be available for installation providing client/server administration experience. Various network analysis problems will be examined. Study of the design of local area networks and wide area networks will be included as will maintenance issues.

Prerequisite(s): INS 182

Recent Term(s) Offered: None

INS 290C Internship-Information Systems 3 Hours

Provides the advanced student with a practical working-learning opportunity. Periodic seminars and outside assignments related to the job are required. Note: Permission from program advisor.

Recent Term(s) Offered: None

Instructional Design (ID)

ID 460 Design for Teaching and Learning 3 Hours

Recent Term(s) Offered: spring 2020; summer 2020; spring 2021; summer 2021; spring 2022; summer 2022

ID 465 Instructional Strategies and Technology Integration 3 Hours

Recent Term(s) Offered: spring 2020; summer 2020; spring 2021; summer 2021; spring 2022; summer 2022

ID 470 Training and Teaching Practicum 3 Hours

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ID 475 Multimedia for Training 3 Hours

Application of multimedia design principles in training settings. Students will design and develop a prototype for a multimedia instructional or training module in a specified context. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; fall 2022

Intercultural Studies (INT)

INT 450 Foreign Field Studies 1-12 Hours (repeatable max of 12 hrs)

The course will focus on significant aspects of the culture under investigation, particularly the fine arts, the economy, the land and geography, the government, the history, the anthropological development, and the language and literature. The emphasis will be on contemporary culture and civilization, but with a look toward the past. (Contact the Office of International Programs and Projects).

Recent Term(s) Offered: None

INT 495 Internship in Cultural Resource Management 3 Hours

(repeatable max of 6 hrs)

Term-long, 150-hour applied experience in a supervised setting with a cooperating agency, business, organization, or community group in the cultural resources sector. Transportation to/from internship location may be required and is the student's responsibility. Open only to students in the CRM certificate program. To be taken after completing at least nine hours of coursework in the CRM certificate. Can be repeated once for a total of six hours.

Prerequisite(s): permission of instructor

Recent Term(s) Offered: None

Interdisc. Early Childhood Ed. (IECE)

IECE 320 Introduction to Early Childhood Assessment 3 Hours

Develop knowledge and skills of assessment with young children with and without disabilities and their families. Minimum of 30 hours of field experience required.

Prerequisite(s): SPED 331

Recent Term(s) Offered: None

IECE 321 Family Supports and Services 3 Hours (repeatable max of 3 hrs)

Application of family systems theory. The development of family plans and the implementation of family-centered services is stressed. Minimum of 25 hours of field experiences; students are responsible for arranging their own transportation. Note: Permission of instructor may be required.

Prerequisite(s): EDU 350

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

IECE 322 Planning Curriculum and Instruction for Diverse Learners 3 Hours

Planning for curriculum and instruction of children, birth through five years, who are culturally and linguistically diverse or who have developmental delays or disabilities.

Prerequisite(s): SPED 331

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

IECE 323 Positive Behavioral Supports with Young Children 3 Hours

Knowledge and skills necessary for applying the principles of positive behavioral supports with young children. Field experience is required; students are responsible for their own transportation.

Prerequisite(s): SPED 321

Recent Term(s) Offered: spring 2022

IECE 324 Advanced Assessment of Young Children 3 Hours

(repeatable max of 3 hrs)

Advanced training to develop assessment skills with children from birth to primary age, with and without disabilities, and their families. Minimum of 30 hours of field experiences; students are responsible for their own transportation.

Prerequisite(s): SPED 331 and EDU 260

Corequisite(s): IECE 326, IECE 325, SPED 422, LTCY 310

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

IECE 325 Partnerships with Families 3 Hours

Strategies that early childhood educators employ to develop active partnerships with families. Field experience is required. Students are responsible for their own transportation.

Prerequisite(s): SPED 331

Recent Term(s) Offered: None

IECE 326 Integrating Mathematics and Science Across the Early Childhood Curriculum 3 Hours

Methods of active involvement of young children in the areas of mathematics and science in developmentally appropriate ways. Field experience is required; students are responsible for their own transportation.

Prerequisite(s): SPED 331

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

IECE 421 Advanced Curriculum and Instruction for Infants and Toddlers 3-4 Hours (repeatable max of 4 hrs)

Implementation of curriculum and instruction of children, birth through two years, both with and without disabilities, and their families, will be addressed. Students will be prepared to implement services in both home and center-based settings. Field experience is required; students are responsible for their own transportation.

Prerequisite(s): IECE 326

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

IECE 422 Advanced Curriculum Development for Young Children 3-5 Hours (repeatable max of 5 hrs)

Advanced preparation in planning, implementing and evaluating curricula and instructional strategies/methods for children from birth to primary age. A wide range of student diversity is addressed, including ability, culture and language. Minimum of 30 hours of field experiences; students are responsible for their own transportation.

Prerequisite(s): IECE 326

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

IECE 423 Interdisciplinary Services for Young Children with Low Incidence Disabilities 3 Hours

Characteristics of children, birth through five years with low incidence disabilities (e.g., autism, sensory impairments, physical impairments), as well as assessment and instructional strategies. The role of the transdisciplinary team, including family members, in providing services will be emphasized. Field experience is required; students are responsible for their own transportation.

Prerequisite(s): SPED 331

Recent Term(s) Offered: summer 2020; summer 2021; summer 2022

IECE 489 Practicum Seminar in Interdisciplinary Early Childhood Education 1 Hour

Discussion of and reflection on the practicum placement, as well as career planning. This course prepares IECE majors to apply knowledge learned in previous courses. Note: Completion of all coursework within the IECE major is required prior to course enrollment.

Corequisite(s): IECE 491

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022; fall 2022

IECE 490 Student Teaching (Infants and Toddlers) - (Preschoolers) 10 Hours (repeatable max of 10 hrs)

Supervised assignment in approved setting where young children with and without disabilities and their families are served. Must complete a minimum of sixteen weeks in one or two placements depending on certification requirements. Students follow the academic calendar of the setting in which they are placed and are responsible for providing their own transportation to assigned site(s). Note: Admission to student teaching is required.

Corequisite(s): IECE 489

Course Fee: \$12.5

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; spring 2022

IECE 491 Practicum in Interdisciplinary Early Childhood Education 5 Hours

Supervised work in off-campus settings with children, birth through age five, with and without disabilities, and their families. Students are responsible for arranging their own transportation. Note: Completion of all coursework within the IECE major; or instructor approval is required.

Corequisite(s): IECE 489

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022; fall 2022

Interdisciplinary Studies(BIS) (IDST)

IDST 100 College and Career Development Seminar 1 Hour

Investigation of academic and career choices and the relationship between the two. Open to non-degree seeking students prior to high school graduation only.

Recent Term(s) Offered: spring 2021; spring 2022

IDST 175 University Experience 3 Hours

Special Requirements: For students with fewer than 36 semester hours or permission of instructor. Topics include: Critical thinking, information and technology literacy, exploration of majors and careers, study skills, personal development and campus resources information.

Equivalent(s): UCC 175C

Recent Term(s) Offered: None

IDST 176 Special Topics 1 Hour (repeatable max of 3 hrs)

Exploration of a particular topic; varies by instructor and section. Repeatable for a maximum of 3 hours. Prerequisite(s): Permission of instructor.

Equivalent(s): UCC 176C

Recent Term(s) Offered: None

IDST 199 University Learning 3 Hours

Course will refine students' skills in critical thinking, reading, study skills, and information literacy. Students will explore majors and careers, personal development, and campus resources.

Recent Term(s) Offered: fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

IDST 200 Interdisciplinary Study Away Experience 1 Hour (repeatable max of 4 hrs)

This course examines the Study Away experience through face-to-face and online interactions during a semester-long Study Away program.

Prerequisite(s): (NSEA 999 (may be taken concurrently) with a minimum grade of NG or NSEB 999 (may be taken concurrently) with a minimum grade of NG)

Recent Term(s) Offered: None

IDST 250 Prior Learning Portfolio Development 1-3 Hours (repeatable max of 3 hrs)

Leads students through the development of a portfolio demonstrating prior college-level knowledge and skills in academic areas. Portfolio may be evaluated for academic credit not to exceed one-fourth of the major/minor nor one-fourth of the credit hours required for the credential. Note: Permission of instructor required.

Course Fee: \$250

Recent Term(s) Offered: None

IDST 350 Interdisciplinary Studies Study Abroad 1-6 Hours (repeatable max of 6 hrs)

Supervised study of interdisciplinary studies in a study abroad program. Note: Consent of instructor required.

Recent Term(s) Offered: winter 2020

IDST 369 Career Related Field Experience 1-3 Hours (repeatable max of 6 hrs)

Supervised work experience related to a student's field of study or career goals with a cooperating business, industry, or agency. Course will include career-related learning activities and projects. Students are responsible for all internship-related transportation and travel. Note: Instructor permission is required and must have a declared major.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

IDST 375 Seminar in Peer Mentoring 3 Hours

An introduction to effective mentoring techniques including an examination of mentoring theories and styles. Note: Permission of instructor required.

Prerequisite(s): UC 175

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; spring 2021

IDST 376 Practicum in Peer Mentoring 1 Hour (repeatable max of 3 hrs)

Supervised mentoring experience in appropriate first-year student setting. Note: Permission of instructor required.

Prerequisite(s): UC 375 with a minimum grade of B

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021

IDST 390 Applications of Interdisciplinary Studies 3 Hours

Application of interdisciplinary studies model to an overarching cultural concern or theme. Students will apply knowledge from different areas of study toward a specified research topic. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

IDST 395 Investigative Methods in Interdisciplinary Studies 3 Hours

A comprehensive exploration of different approaches to interdisciplinary studies as an academic research discipline or method. Note: Instructor permission may be required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

IDST 399 Special Topics in Interdisciplinary Studies 1-3 Hours (repeatable max of 6 hrs)

A detailed study of selected topics in interdisciplinary studies that lend themselves to interdisciplinary problem-solving. Note: Permission of instructor is required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; winter 2021; spring 2021; fall 2021; spring 2022; fall 2022

IDST 400 Faculty-Mentored Undergraduate Student Research Experience 1 Hour (repeatable max of 3 hrs)

Prerequisite(s): Award of FUSE (Faculty Undergraduate Student Engagement) Grant from the Office of Academic Affairs and instructor permission. Students participate in a semester-long research/creative activity experience mentored by a faculty member, which is expected to lead to a presentation/performance of the research/creative work at an appropriate venue at a later date. Participants must also attend an orientation session and a follow-up session sponsored by the Office of Scholar Development. Repeatable up to two times for a maximum of three credit hours.

Recent Term(s) Offered: spring 2022; fall 2022

IDST 495 Interdisciplinary Studies Capstone 3 Hours

Examination of interdisciplinary scholarship and problem solving, with application based on students' areas of emphasis in the major. Note: Permission of instructor may be required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in Interdisciplinary Studies(BIS) (558)
Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

IDST 499 IDST Capstone Experience 1 Hour

Independent study requiring development of integrative project. Students must make arrangements in advance for supervision by a faculty member. Note: General Studies advisor approval required.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; fall 2022

Interior Design Fashion Merchandising (IDFM)

IDFM 100 Introduction to Housing and Interior Design 3 Hours

Introduction to interior design as it relates to housing environments and residential furnishings and equipment. Focuses on consumer-related information and services. Includes layout and design opportunities. This course for non-Interior Design majors only.

Restriction(s): Students cannot enroll who are in Interior Design Fashion Mer (531)

Recent Term(s) Offered: spring 2021; spring 2022

IDFM 101 Foundations of Interior Design 1 Hour

An exploration of the interior design profession including its many aspects and challenges, the required and continuing education, identification of the role of the interior designer, and career options.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

IDFM 120 Visual Design I 3 Hours

Introduction to the fundamentals of visual design and techniques of representation through exploration of the elements and principles of design, the design process, English language arts and conceptual sketching. Individual work, teamwork and presentation skills will be emphasized.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

IDFM 131 Basic Apparel Construction 3 Hours

Study of basic principles of apparel construction. Concepts include pattern, fabric, and equipment selection. Students experiment with construction techniques. Laboratory.

Course Fee: \$30

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

IDFM 132 Perspectives of Dress 3 Hours

An introduction to the fashion industry and the motivational factors influencing clothing choices. Dress is considered from psychological, socioeconomic, and design perspectives.

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; spring 2022; fall 2022

IDFM 151 Survey of Architecture and Interiors I 3 Hours

An introduction to the study of styles in architecture and interiors from ancient times through the 18th century. Emphasis is placed on furniture and furnishings and the interface between architecture and interior space.

Recent Term(s) Offered: fall 2021; fall 2022

IDFM 152 Survey of Architecture and Interiors II 3 Hours

An introduction to the study of styles in architecture and interiors from the 18th century to present time. Emphasis is placed on French, English, and American styles and the international movements from which contemporary styles have emerged.

Recent Term(s) Offered: spring 2020; spring 2022

IDFM 201 Interior Design Studio I 4 Hours

Study of the principles of spatial design expressed by two-and-three-dimensional representation. Problem solving through elements of form, space and color.

Corequisite(s): IDFM 243, IDFM 222

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

IDFM 221 Visual Design II 3 Hours

Exploration of the conveyance of ideas and information expressed with two-dimensional images through the use of electronic resources.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

IDFM 222 CAD in Human Environment 3 Hours

Computer aided design and drafting using AutoCAD. Practical applications in interior design and apparel merchandising are addressed through projects.

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

IDFM 223 Textiles 3 Hours (repeatable max of 3 hrs)

Exploration of textile fibers, yarns and fabric construction; color and design; finishes. Performance and care are studied in relation to selection of fabrics for clothing and furnishings. Application through lab testing of fiber content, yarns and fabric construction, color, and design, and finishes. Lecture, Lab.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

IDFM 226 Fashion Illustration 3 Hours

Exploration of aspects of fashion illustration from drawing basic body proportions and fashion figures to producing finished illustrations in color using a variety of mediums and tools.

Prerequisite(s): IDFM 120 or ART 130

Recent Term(s) Offered: fall 2022

IDFM 231 Textile and Apparel Quality Analysis 3 Hours

Evaluation of textile and apparel quality and performance. Emphasis on sewn products from the perspective of the manufacturer, retailer, and consumer. Laboratory; field experiences.

Prerequisite(s): (IDFM 131 or DMT 131 or CFS 131) and (IDFM 223 or DMT 223 or CFS 223)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

IDFM 243 Materials and Finishes for Interior Design 3 Hours

Analysis of properties and uses of materials specified by interior designers. Major concepts and processes include standards of performance, quantity and cost estimating, and specification writing. Field trips at student's expense.

Corequisite(s): IDFM 201

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

IDFM 244 Digital Design Tools 3 Hours

Introduction to the use of computer software such as Photoshop Elements, Snap Fashion, Sketch-up and AutoCAD for the visual communication of design ideas.

Prerequisite(s): IDFM 120

Recent Term(s) Offered: None

IDFM 300 Interior Design Studio II 4 Hours

Investigation into understanding of conceptual, spatial principles applicable to interior design; development of two- and three-dimensional representation techniques and application of color theory.

Prerequisite(s): (DMT 120 with a minimum grade of C or IDFM 120 with a minimum grade of C) and (DMT 201 with a minimum grade of C or IDFM 201 with a minimum grade of C) and (DMT 243 with a minimum grade of C or IDFM 243 with a minimum grade of C) and (DMT 222 with a minimum grade of C or IDFM 222 with a minimum grade of C)

Corequisite(s): IDFM 344

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

IDFM 301 Interior Design Studio III 4 Hours

Integration of basic building systems with conceptual, organizational, and spatial principles of design to create complete interior environments.

Prerequisite(s): IDFM 221 with a minimum grade of C and IDFM 300 with a minimum grade of C and IDFM 344 (may be taken concurrently) with a minimum grade of C

Corequisite(s): IDFM 427, IDFM 304

Course Fee: \$20

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

IDFM 302 Interior Design Studio IV 4 Hours

Non-residential design problems of intermediate complexity with emphasis on application of advanced programming and life safety issues.

Prerequisite(s): (DMT 301 with a minimum grade of C or IDFM 301 with a minimum grade of C)

Course Fee: \$20

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

IDFM 304 Lighting and Environmental Controls 3 Hours

Principles of mechanical systems of buildings including the electrical system, ventilation system, plumbing system, and HVAC systems. Students will properly execute the design criteria, supervise and collaborate with building trades and competently implement proper materials and mechanical systems in working drawings.

Corequisite(s): IDFM 301

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

IDFM 308 Design and the Human Lifecycle 3 Hours

Exploration of the principles of anthropometrics, universal design and Americans with Disabilities codes used by Interior Designers to create environments in residential and public buildings that contributes to inclusion, safety, and emotional well-being of the user.

Recent Term(s) Offered: None

IDFM 310 Pattern Making and Draping 3 Hours

Exploration of the development of basic apparel styles through the application of pattern drafting and the study of the principles and processes of draping.

Prerequisite(s): IDFM 131

Recent Term(s) Offered: None

IDFM 313 Practicum in Interior Design Fashion Merchandising 3 Hours

Supervised practicum experience. Students perform professional functions with a pre-approved cooperating business. Field experience. Transportation at student's expense.

Recent Term(s) Offered: spring 2020; summer 2020; spring 2021; summer 2021; spring 2022; summer 2022; fall 2022

IDFM 321 Professional Ethics & Issues Seminar 3 Hours

Interdisciplinary study of social trends, professional issues, and professional ethics impacting careers. Focus is on professional development strategies and resolution of ethical dilemmas both in the job search and within the workplace.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

IDFM 322 Merchandising I for IDFM 3 Hours

Study of the principles of merchandising design, apparel and textile products with emphasis on the buying function and using merchandise calculations.

Prerequisite(s): (IDFM 132 or DMT 132 or CFS 132) and MKT 220

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

IDFM 332 History of 20th Century Fashion 3 Hours

Survey of American and European fashions from 1900 to present as they reflect social, economic, and cultural influences. Application to current fashion analysis, re-enactment apparel, and artifact identification.

Prerequisite(s): (IDFM 132 or DMT 132 or CFS 132) and (IDFM 223 or DMT 223 or CFS 223)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

IDFM 333 Fashion Fundamentals 3 Hours

Survey of the fashion industry. Major topics include design, production, marketing and apparel management. Current trends in fashion design and merchandising are identified and analyzed.

Prerequisite(s): (DMT 132 with a minimum grade of C or IDFM 132 with a minimum grade of C) and MKT 220

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

IDFM 335 Apparel Design Production 3 Hours

Exploration of the application of advanced sewing techniques across a range of fashion products. Students will learn apparel construction using commercial patterns to create muslin samples and fully finished garments.

Prerequisite(s): IDFM 131

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

IDFM 344 Digital Rendering for Interiors 3 Hours

Introduction to computer-aided 3-D modeling using AutoCAD and 20/20 CAP Design Studio software plug-in. Computer-aided visual communication techniques will be introduced as tools in the design/problem-solving process.

Prerequisite(s): (IDFM 222 or DMT 222 or CFS 222)

Recent Term(s) Offered: spring 2021; spring 2022

IDFM 360 Kitchen & Bath Design Studio 3 Hours

Examination of the technical aspects and accessibility issues of designing kitchens. Development of drawings for the kitchen and bath including floor plans, electrical and lighting plans, elevations, and cabinet sections using ANSI (American National Standards Institute) guidelines and graphic presentation standards.

Prerequisite(s): (IDFM 222 or DMT 222 or CFS 222) and (IDFM 300 or DMT 300)

Recent Term(s) Offered: None

IDFM 400 Special Problems in Interior Design 3 Hours (repeatable max of 6 hrs)

Independent interior design research and projects that reach beyond the current course offerings into areas of more advanced study and techniques.

Prerequisite(s): (IDFM 302 or DMT 302) and IDFM 344 and (IDFM 427 or DMT 427)

Recent Term(s) Offered: fall 2020; summer 2021

IDFM 401 Interior Design Studio V 4 Hours

Non-residential design problems of advanced complexity integrating previous experiences and applying office practices to the process of design.

Prerequisite(s): (DMT 302 with a minimum grade of C or IDFM 302 with a minimum grade of C)

Course Fee: \$20

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

IDFM 402 Senior Design Thesis 4 Hours

A mixed-use capstone project which requires students to develop a design solution with an increased amount of technical support data and design detailing. Guest speakers and field trips may supplement instruction. Students are responsible for their own transportation.

Prerequisite(s): (IDFM 401 or DMT 401) and (IDFM 403 or DMT 403) and (IDFM 410 or DMT 410 or CFS 410 or FACS 410)

Course Fee: \$20

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022; summer 2022

IDFM 403 Business Principles and Practices for Interior Design 2 Hours

Study of the business, legal, and financial considerations of the practicing designer. Major topics include business formation, project analysis and management, contracts, compensation, and government regulations and codes.

Recent Term(s) Offered: spring 2021; spring 2022

IDFM 410 IDFM Internship 3 Hours (repeatable max of 6 hrs)

Students perform professional functions in an appropriate establishment. Repeatable to a maximum of 6 hours. (Note: Application and copy of undergraduate program must be submitted to coordinator of the Internship Program one complete semester prior to the semester a student plans to do the internship. A 2.5 grade point average in professional courses is required for the eligibility.)

Prerequisite(s): (IDFM 302 or IDFM 335) and IDFM 321

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; summer 2020; spring 2021; summer 2021; summer 2022

IDFM 421 Portfolio Design 3 Hours

Development of a design portfolio as essential ingredient of job search and application to graduate school for all design professions. Includes audit, analysis and assembly of portfolio to demonstrate individual talent and qualifications. Input from industry professionals. Covers digital techniques and World Wide Web promotion.

Prerequisite(s): (IDFM 302 or IDFM 335) and IDFM 321

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

IDFM 422 Textile Design and Performance 3 Hours

Analysis of creativity in historic and contemporary textile designs and techniques. Students experiment and create textile designs and colorways appropriate for specific design applications and end product categories.

Prerequisite(s): (IDFM 221 or DMT 221 or CFS 221) and (IDFM 120 or DMT 120) and (IDFM 223 or DMT 223 or CFS 223)

Course Fee: \$15

Recent Term(s) Offered: None

IDFM 423 Human Environment Study Tour 3 Hours (repeatable max of 6 hrs)

Travel to fashion and design centers to gain firsthand knowledge concerning design, production, marketing, and promotion of textiles, clothing, and home furnishings. Field trips at student's expense.

Recent Term(s) Offered: None

IDFM 424 Historic Textiles 3 Hours

A study of decorative fabrics and the history of textile design from ancient times through contemporary production. Understanding cultural diversity as reflected in textile artifacts of major cultures of the world is the major focus. Field trips required at student's expense.

Prerequisite(s): (IDFM 223 or DMT 223 or CFS 223)

Recent Term(s) Offered: None

IDFM 426 Fashion Design Market Trends 3 Hours

Study of a major market for fashion apparel, textiles, or interior design products. In-class seminars will precede and follow field work experience at a major market for apparel, interior design, or related businesses. Travel to market site at student's expense. Note: Student must have completed at least two courses in IDFM and approval of instructor.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: summer 2022

IDFM 427 Visual Design III 3 Hours

Advanced application of the conveyance of ideas and information expressed with two-dimensional images through the use of electronic resources.

Prerequisite(s): (IDFM 221 or DMT 221) and (IDFM 222 or DMT 222 or CFS 222)

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

IDFM 431 Clothing and Human Behavior 3 Hours

Study of dress and adornment in relation to human behavior. Clothing and appearance are explored in relation to the self, to interpersonal communication, and to collective behavior in social, cultural, and historical contexts. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status and (PSY 100 or PSYS 100 or SOCL 100)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

IDFM 432 Visual Merchandising and Promotion 3 Hours

Study of the principles and practices of fashion promotion. Includes supervised experience working with visual merchandising and fashion-related events using merchandise from retail stores.

Prerequisite(s): (IDFM 120 or DMT 120) and (IDFM 221 or DMT 221) and IDFM 335

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022; summer 2022

IDFM 433 Fashion Synthesis 3 Hours

Senior capstone where students develop a personal design aesthetic and produce a finished product using the design process encompassing trend analysis, concept development and final execution of finished garments based upon their original designs.

Prerequisite(s): IDFM 333 and IDFM 335 and IDFM 226

Course Fee: \$20

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

IDFM 434 History of Costume 3 Hours

Study of costume from selected historic periods. Students are required to analyze socioeconomic influences on clothing. Field experiences.

Recent Term(s) Offered: None

IDFM 436 Global Apparel Merchandising 3 Hours

Evaluation of the key issues facing textiles and apparel businesses operating supply chains and sourcing in the global economy considering economic, political, and social perspectives and professional implications.

Prerequisite(s): (IDFM 333 or DMT 333 or CFS 333)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

IDFM 438 Merchandising II for IDFM 3 Hours

Exploration of merchandising and brand development concepts using standard industry frameworks and analysis. Students will develop their own brand concept along with a full business plan to support it.

Prerequisite(s): IDFM 322 and MKT 331 (may be taken concurrently)

Recent Term(s) Offered: fall 2021; fall 2022

IDFM 444 Environmental Product Design and Development 3 Hours

A study of emerging technologies and environmental issues confronting consumers and designers of the near environment, including housing, apparel, leisure, and workspaces. Major emphasis is on alternative design forms, energy-conscious design, and energy effectiveness of products and spaces. Possible field trips at student's expense.

Prerequisite(s): IDFM 344

Recent Term(s) Offered: None

IDFM 446 Restoration of Historic Interiors 3 Hours

This course focuses on design and other aspects of interior historic restoration of both academic and vernacular structures. Attention is focused on aesthetic issues of designing domestic and commercial historic interiors for restoration or adaptive reuse.

Recent Term(s) Offered: None

IDFM 448 Interior Illustration 3 Hours

Development of advanced skills in design illustration and presentation. Emphasis is on fast techniques for color rendering.

Recent Term(s) Offered: spring 2022

IDFM 449 Design Humanics 4 Hours

Research and application of design theory to a design project. Student will prepare design documents from conceptual diagrams, preliminary design and code analysis to final presentation.

Prerequisite(s): IDFM 300 and AMS 163 or IDFM 222

Recent Term(s) Offered: spring 2020

Italian (ITAL)

ITAL 100 Italian Language and Culture 1-3 Hours (repeatable max of 3 hrs)

An introduction to the Italian and Italian-speaking culture in conjunction with study abroad for students with little or no previous language study.

Note: Permission of instructor required.

Recent Term(s) Offered: None

ITAL 101 Elementary Italian I 3 Hours

A beginning course designed to develop skills in understanding, speaking, reading and writing and to provide cultural insights.

Recent Term(s) Offered: None

ITAL 102 Elementary Italian II 3 Hours

Continuation of development of four skills and of cultural insights. Fulfills World Language with a grade of C or better.

Prerequisite(s): (ITAL 101 or High School 2 years Italian)

Recent Term(s) Offered: None

ITAL 105 Introduction to Italian Culture 3 Hours

Survey of the contemporary culture of Italy, with emphasis on values, behavioral characteristics, social and political structures, and achievements of the Italian-speaking people. Taught in English; only taught abroad.

Recent Term(s) Offered: winter 2020; winter 2021; summer 2022

Japanese (JAPN)

JAPN 100 Japanese Language and Culture On-Site 1-3 Hours (repeatable max of 3 hrs)

An introduction to Japanese and Japanese-speaking culture in conjunction with study abroad for students with little or no previous language study. Note: Permission of instructor required.

Recent Term(s) Offered: None

JAPN 101 Elementary Japanese I 3 Hours

Introduction to pronunciation, grammar, and basic functional vocabulary of modern Japanese. Includes aspects of contemporary Japanese culture.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

JAPN 102 Elementary Japanese II 3 Hours

Continuation of Japanese 101 using Hiragana and Katakana writing systems, grammar, and basic additional vocabulary of modern Japanese. Includes aspects of contemporary Japanese culture. Fulfills World Language with a grade of C or better.

Prerequisite(s): (JAPN 101 or LPROF: JAPANESE Composite with a score of 2 or High School 2 years Japanese)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

JAPN 115 Introduction to Japanese Culture 3 Hours

Survey of the contemporary culture of Japan, with emphasis on values, behavioral characteristics, social and political structures, and achievements of the Japanese-speaking people. Taught in English; only taught abroad.

Recent Term(s) Offered: None

JAPN 201 Intermediate Japanese I 3 Hours

Expansion of communication skills in increasingly complex and varied situations. Emphasis on conversational speaking, presentational writing and speaking, and understanding culturally specific texts and media. Fulfills World Language with a grade of C or better.

Prerequisite(s): JAPN 102

Recent Term(s) Offered: fall 2020; fall 2021

JAPN 202 Intermediate Japanese II 3 Hours

Continued expansion of interpersonal communication skills at the intermediate level. Emphasis on increasing comprehension, the building of vocabulary, and on presentation modes of speaking and writing. Fulfills World Language with a grade of C or better.

Prerequisite(s): JAPN 201

Recent Term(s) Offered: spring 2020; spring 2021

JAPN 210 Intermediate Japanese Conversation Abroad 1-3 Hours

(repeatable max of 3 hrs)

Course designed to develop the vocabulary and communication skills of a student with one year of college Japanese or equivalent with emphasis on contact with Japanese native speakers. Taught in Japanese. Fulfills World Language with a grade of C or better.

Prerequisite(s): JAPN 102

Recent Term(s) Offered: None

JAPN 211 Intermediate Japanese Culture Abroad 1-3 Hours

(repeatable max of 3 hrs)

Course designed to develop an appreciation for different aspects of Japan and its people and culture, for a student with one year of college Japanese or equivalent. Taught in Japanese. Fulfills World Language with a grade of C or better.

Prerequisite(s): JAPN 102

Recent Term(s) Offered: None

Journalism (JOUR)

JOUR 202 Introduction to News Writing 3 Hours

Report and writing skills primarily focused for print and online news. The course focuses on accuracy, responsibility, clarity, AP style, structure, interviewing, sourcing, and story generation. Research is emphasized. Course fee.

Course Fee: \$50

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

JOUR 301 Press Law and Ethics 3 Hours

An in-depth study of concepts basic to freedom of expression, with emphasis on libel, privacy, free-press and fair-trial guidelines, access to government information, and obscenity. Attention is given to attendant ethical considerations. Note: Permission of instructor.

Prerequisite(s): PS 110 with a minimum grade of C and SOM 101 with a minimum grade of C and JOUR 202 with a minimum grade of C

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

JOUR 302 Intermediate Reporting 3 Hours

Reporting and writing for print and online media. Emphasis on using journalistic style and grammar, interviewing and writing news stories on a range of topics including governmental affairs.

Prerequisite(s): JOUR 202 with a minimum grade of C

Restriction(s): Enrollment is limited to students in News/Editorial Journalism (716) , Broadcasting (726) , Advertising (727) , Journalism (736) , Journalism - Seeking Admission (736P) , Photojournalism (750) or Public Relations (763)

Course Fee: \$50

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

JOUR 323 Multiplatform News Presentation 3 Hours

Basic instruction in copy editing and headline writing for print and online publication. Course will include topics in visual editing, news selection and ethical considerations.

Prerequisite(s): JOUR 202 with a minimum grade of C

Restriction(s): Enrollment is limited to students in News/Editorial Journalism (716) , Advertising (727) , Journalism (736) , Journalism - Seeking Admission (736P) , Photojournalism (750) or Public Relations (763)

Course Fee: \$50

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

JOUR 325 Feature Writing 3 Hours

A professional reporting course that teaches feature writing and marketing of feature articles for print and online. Note: Permission of instructor.

Prerequisite(s): JOUR 302 with a minimum grade of C

Restriction(s): Enrollment is limited to students in News/Editorial Journalism (716) , Broadcasting (726) , Advertising (727) , Journalism (736) , Photojournalism (750) or Public Relations (763)

Course Fee: \$50

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

JOUR 422 Current Issues in Mass Communication 3 Hours

A senior-level seminar designed as a capsule course for journalism students focusing on a variety of topics including, but not limited to, access to the media, protection of confidential sources, objectivity, fairness, the media influence on the decision-making process, and the new technology. Capstone course for the mass communication major. Note: 18 hours of journalism for journalism majors is required.

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Recent Term(s) Offered: None

JOUR 426 Advanced Reporting 3 Hours

Designed to produce for publication in-depth news reporting, including reporting on government affairs, using interviewing, observation and public records research skills coupled with computer assisted reporting. Capstone course for news/editorial curriculum.

Prerequisite(s): JOUR 325 with a minimum grade of C and JOUR 323 with a minimum grade of C

Restriction(s): Enrollment is limited to students in News/Editorial Journalism (716)

Course Fee: \$35

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

JOUR 467 News / Editorial Internship Practicum 1 Hour (repeatable max of 3 hrs)

An intense study of a specific news writing, editing, visual or production skill in a professional media outlet. The skill will be identified and studied through discussion and application.

Prerequisite(s): permission of instructor

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: winter 2021; summer 2021

JOUR 481 Problems in Mass Communication 3 Hours

In-depth study of challenges in Journalism and Mass Communication. Involves research, planning, execution, and implementation of a project, guided by the instructor.

Restriction(s): Enrollment limited to students with a semester level of Junior, Sophomore or Senior.

Recent Term(s) Offered: fall 2022

JOUR 491 Internship or Practicum 3 Hours

Professional-quality experience outside or inside the University for a fixed period of time and conforming to minimum standards established by the School. Follow-up will consist of student reports and evaluation. Note: 18 hours in the major and permission of sequence head is required.

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Enrollment is limited to students in News/Editorial Journalism (716), Mass Communication (725), Broadcasting (726), Advertising (727), Journalism (736), Photojournalism (750) or Public Relations (763)

Recent Term(s) Offered: summer 2022

Korean (KORE)

KORE 101 Elementary Korean I 3 Hours

Prepares students to communicate verbally and in writing in simple routine tasks; to understand written or spoken communication on everyday topics and to develop cultural awareness.

Recent Term(s) Offered: None

KORE 102 Elementary Korean II 3 Hours

Continuation of the development of communication skills on everyday topics and of cultural insights. Note: Permission of instructor.

Prerequisite(s): KORE 101

Recent Term(s) Offered: None

Leadership Studies (LEAD)

LEAD 200 Introduction to Leadership Studies 3 Hours

An introduction to the basics of effective leadership including an investigation of leadership theories and assessment of leadership styles.

Colonnade/Statewide General Education Code E-SB | SB

Equivalent(s): LEA 200C

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

LEAD 300 Leadership Theory and Application 3 Hours

A study of leadership concepts, theories, and models; an overview of personal leadership assessments and leadership development plans; enhanced leadership knowledge through experiential learning. Students who have taken LEAD 200 may not earn credit for LEAD 300. Note: Permission of instructor may be required.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

LEAD 325 Leading Change 3 Hours

Study of processes and skills impacting a leader's ability to implement change, emphasizing the analysis of various existing models to produce sound solutions. Note: Permission of instructor may be required.

Prerequisite(s): (LEAD 200 or LEAD 300)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

LEAD 330 Leadership Ethics and Decision-Making 3 Hours

Study of contemporary ethical and decision-making issues facing leaders; emphasis on examining and analyzing ethical issues for sound leadership solutions. Note: Permission of instructor may be required.

Prerequisite(s): (LEAD 200 or LEAD 300)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

LEAD 395 Contemporary Leadership Issues 3 Hours

Analysis of contemporary issues from a leadership perspective. Note: Permission of instructor may be required.

Prerequisite(s): (LEAD 200 or LEAD 300)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

LEAD 400 Practicum in Leadership 1-6 Hours (repeatable max of 6 hrs)

A course to assess student's summative knowledge of leadership and provide an opportunity for an opportunity for students to demonstrate how to integrate that knowledge. Note: A minimum of nine hours completed in the major are required for enrollment in course.

Prerequisite(s): (LEAD 200 or LEAD 300)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

LEAD 440 Leading Teams 3 Hours

Study of issues impacting team leaders and members; emphasis on examining and analyzing solutions for effective team leadership. Note: Permission of instructor may be required.

Prerequisite(s): (LEAD 200 (may be taken concurrently) or LEAD 300 (may be taken concurrently))

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

LEAD 450 Leadership in Global Contexts 3 Hours

Study and analysis of cultural impacts on successful leadership in various geographical areas. Focus on cultural theories and models that influence leadership across contexts. Note: Permission of instructor may be required. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): (LEAD 200 (may be taken concurrently) or LEAD 300 (may be taken concurrently)) and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

LEAD 465 Leadership Coaching 3 Hours

Examination of fundamental leadership coaching skills that improve the adjustment and performance of individuals in an organizational setting. Topics to be covered include: the scope of coaching practice, optimal practitioner characteristics, resiliency training, peer leadership, coaching youth, related organizational dynamics, and coaching interventions and resources. This course also includes an emphasis on experimental learning through coaching practice activities. Note: Permission of instructor may be required.

Prerequisite(s): (LEAD 200 or LEAD 300)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

LEAD 475 Leadership Studies Special Topics 3 Hours

Applications of leadership theories and methodologies in selected fields, including the sciences, engineering, urban planning, the arts, public health, education and business, and for study abroad programs. Note: Permission of instructor may be required.

Prerequisite(s): (LEAD 200 or LEAD 300)

Recent Term(s) Offered: fall 2020

LEAD 498 Independent Study in Organizational Leadership 1-6 Hours
(repeatable max of 6 hrs)

Individual research, literature review or professional development project in a specific area of leadership, in close cooperation with supervising faculty. Note: Permission of instructor may be required.

Prerequisite(s): (LEAD 200 or LEAD 300)

Recent Term(s) Offered: winter 2020; summer 2022

Legal Studies (LS)

LS 495 Senior Seminar in Legal Studies 3 Hours

A capstone course designed for Legal Studies B.A. program majors. Integrates concepts and approaches learned during study of legal systems. Engages students and faculty in sustained consideration of significant questions and debates in legal studies.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: None

LS 498 Internship in Legal Studies 1-3 Hours (repeatable max of 3 hrs)

Practical out-of-classroom experience in a supervised work situation with a cooperating business, industry, social or governmental agency emphasizing application of advanced knowledge and skills in legal studies.

Prerequisite(s): permission of instructor

Recent Term(s) Offered: None

Library Media Education (LME)

LME 318 Children's Literature 3 Hours

An introduction to picture books, traditional literature, poetry, fiction, biography, informational books, and the development of literature programs in the elementary and middle school. Note: First three English courses or instructor approval is required for this course.

Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

LME 407 Literature for Young Adults 3 Hours

Selection and evaluation of materials, reading guidance, and programming for young people, adolescence through young adult.

Restriction(s): Enrollment limited to students with a semester level of Freshman, Junior, Post-Baccalaureate-Degree Seek, Post-Baccalaureate-Certificate, Post-Baccalaureate-Non Degree, Sophomore, Senior or Undergraduate Certificate.

Recent Term(s) Offered: None

LME 409 Selected Topics 1-3 Hours (repeatable max of 3 hrs)

Problematic study of a selected topic under the supervision of a faculty member. A formal research paper or annotated bibliography is required.

Note: Permission of supervising faculty member is required.

Recent Term(s) Offered: None

LME 410 Storytelling 3 Hours

Storytelling literature, story selection, and sources. Practice in oral communication.

Restriction(s): Enrollment limited to students with a semester level of Freshman, Junior, Post-Baccalaureate-Degree Seek, Post-Baccalaureate-Certificate, Post-Baccalaureate-Non Degree, Sophomore, Senior or Undergraduate Certificate.

Recent Term(s) Offered: None

LME 411 Creative Media Experiences for Children 3 Hours

Methods and procedures for developing creativity in children. The design and evaluation of materials and activities in a variety of media formats for school and library settings. Includes program development.

Restriction(s): Enrollment limited to students with a semester level of Freshman, Junior, Post-Baccalaureate-Degree Seek, Post-Baccalaureate-Certificate, Post-Baccalaureate-Non Degree, Sophomore, Senior or Undergraduate Certificate.

Recent Term(s) Offered: None

LME 445 Introduction to Educational Technology 3 Hours

Instruction and laboratory experiences in the basic theory and application of educational technology to the design, production, evaluation, and utilization of various communication media formats.

Restriction(s): Enrollment limited to students with a semester level of Freshman, Junior, Post-Baccalaureate-Degree Seek, Post-Baccalaureate-Certificate, Post-Baccalaureate-Non Degree, Sophomore, Senior or Undergraduate Certificate.

Recent Term(s) Offered: None

LME 448 Technology Applications in Education 3 Hours

This course will explore the confluence of technology, education and entrepreneurial advocacy through critical thinking and problem-solving.

Colonnade/Statewide General Education Code K-LG

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Restriction(s): Enrollment limited to students with a semester level of Freshman, Junior, Post-Baccalaureate-Degree Seek, Post-Baccalaureate-Certificate, Post-Baccalaureate-Non Degree, Sophomore or Senior.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

LME 475 Workshop 1-3 Hours (repeatable max of 3 hrs)

Workshop classes of variable content focused on library media practice and integration of educational technology.

Recent Term(s) Offered: None

Literacy (LTCY)

LTCY 199 Reading for Evidence and Argument 3 Hours (repeatable max of 6 hrs)

Prepares students to successfully meet the rigorous reading and other literacy requirements of college. Emphasis on refining skills necessary to extract factual evidence from text and make sound arguments through various modes of literacy.

Recent Term(s) Offered: spring 2020; spring 2022; fall 2022

LTCY 310 Early Reading, Language and Literacy 3 Hours

Theory and methods for creating learning environments for the development of language, emergent literacy, and reading and writing skills from infancy through kindergarten.

Prerequisite(s): SPED 331

Recent Term(s) Offered: spring 2020; spring 2022

LTCY 320 Foundations of Teaching Literacy in the Elementary Grades 3 Hours

An introduction to literacy instruction for elementary grade children; includes an examination of reading needs, instructional methods, materials, and resources related to the development of standards-based literacy skills and strategies; provides instruction on foundational theories and research. Field experiences in public schools and/or other appropriate settings away from campus are required. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): EDU 250 (may be taken concurrently) and PSY 310 (may be taken concurrently)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

LTCY 420 Literacy Methods in the Elementary Grades 3 Hours

A second course in literacy designed to offer standards-based practical applications of instruction that build on the content of LTCY 320. Field experiences in public schools and/or other appropriate settings away from campus are required. Students are responsible for arranging their own transportation to designated or assigned sites. Note: Admission to Teacher Education required.

Prerequisite(s): LTCY 320 with a minimum grade of C and (ELED 345 with a minimum grade of C or SPED 340 with a minimum grade of C)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

LTCY 421 Content Area Reading in the Middle and Secondary Grades 3 Hours

A course in reading designed to offer a detailed view of the principles, materials and methods of instruction for middle and secondary grade students. Field experiences in public schools and/or other appropriate settings away from campus are required. Students are responsible for arranging their own transportation to designated or assigned sites. Note: Admission to Teacher Education required.

Prerequisite(s): EDU 250 with a minimum grade of C and MGE 275 with a minimum grade of C and (AGED 250 with a minimum grade of C or AMS 300 with a minimum grade of C)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Management (MGT)

MGT 200 Legal Environment of Business 3 Hours

An introduction to the American public law system; use of law to achieve economic and social goals; legal responsibilities of the business manager.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

MGT 210 Organization and Management 3 Hours

An introduction to organization theory and organizational behavior. The course focuses on managing people and material resources to enhance organizational productivity and effectiveness. Attention is given to the managerial functions of planning, organizing, leading and controlling.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

MGT 261 Business Communication Fundamentals 3 Hours

Fundamentals of oral, written, and visual communication essential to prepare students for upper division coursework, internships, and careers in business disciplines. Focus on the creation of business documents and oral presentations, use of inclusive communication techniques and styles, interpretation of results for basic data analysis, appreciation of communication differences across cultures and backgrounds, and application of technology to facilitate communication.

Prerequisite(s): (BA 170 or BA 175 or BA 220 (may be taken concurrently))

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: fall 2022

MGT 301 Business Law 3 Hours

A basic course in commercial law covering contracts, property, creditor rights, torts and other bases for liability and the Uniform Commercial Code.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MGT 303 International Business 3 Hours

Fundamentals of international business particularly in planning, organizing, and control aspects of the multinational enterprise. Roles of government, culture, foreign currency, taxes, political risk, and legal formalities for small and large firms entering new markets are emphasized.

Prerequisite(s): (MGT 210 or MGT 310)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MGT 305 Ethics and Critical Thinking 3 Hours

This course is designed to develop skills needed for analyzing a problem or situation to arrive at a hypothesis or conclusion about it after synthesizing or integrating all available information. In critical thinking, all assumptions are open to question, divergent views are sought, and the investigation is not biased in favor of a particular solution.

Prerequisite(s): MGT 200

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

MGT 311 Human Resource Management 3 Hours

An introduction to major human resource management functions, including personnel selection; recruitment; training and development; performance appraisal; compensation; health and safety; labor-management relations; and employment law.

Prerequisite(s): (MGT 310 or MGT 210 or AMS 430 or COMM 362 or COMM 461)

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

MGT 313 Decision Modeling 3 Hours

This course deals with modeling problems that are similar to those faced by business managers. The problem is viewed as the focal point of analysis, and appropriate decision modeling tools are applied to obtain a solution.

Prerequisite(s): ECON 206 and BDAN 305

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

MGT 314 Operations Management 3 Hours

The management of the direct resources required to produce goods and services. Operations objectives are cascaded through the organization and are translated into measurable terms that become part of the operating goals for production-related departments and their managers.

Prerequisite(s): ECON 206

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

MGT 316 International Management 3 Hours

A study of techniques and methods involved in managing an international business with an emphasis on managerial issues unique to the global environment. Note: Permission of instructor.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2022

MGT 326 Managing Projects in Organizations 3 Hours

Project management is a business tool that focuses on the project's central role in organizations, along with addressing the project life-cycle and techniques for initiation, planning, scheduling, controlling and execution. Emphasis is on organizational, managerial, human behavior and interdisciplinary issues relevant for managing successful projects from the business perspective.

Prerequisite(s): MGT 210 and ECON 206

Recent Term(s) Offered: None

MGT 333 Management of Nonprofit Organizations 3 Hours

Overview of nonprofit organizations, including budgeting, finance, marketing, communication, board of directors, volunteers and strategic planning.

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

MGT 383 Human Resource Information Systems 3 Hours

Study of the components of an HRIS and how one can be used to create a competitive advantage. Spreadsheet analysis will be also be used to develop analytical skills.

Prerequisite(s): MGT 311 and BDAN 305

Restriction(s): Enrollment is limited to students in Management (723)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MGT 390 Value Creation in Emerging Markets 3 Hours

Examination of techniques for competing in emerging markets.

Recent Term(s) Offered: None

MGT 399 Career Readiness in Management 1 Hour

Introduction to preparation for a career in Management, including exposure to careers in management-related fields; certifications in the profession; development of professional writing skills, professional resumes and cover letters; oral communications; interviewing skills; goalsetting; ethical standards; and professional networking. This course is limited to juniors and seniors in the Management program.

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Enrollment is limited to students in Management (723)

Recent Term(s) Offered: fall 2022

MGT 400 Employment Law 3 Hours

An overview of the myriad of laws affecting personnel decisions. Discussions will focus on the implications of employment-at-will, equal employment opportunity, ERISA, FLSA, IRCA, NLRA, OSHA, workers' compensation, and other regulatory development. Note: Permission of instructor.

Prerequisite(s): (MGT 200 or MGT 300)

Recent Term(s) Offered: summer 2020; fall 2020; summer 2021; fall 2021; summer 2022; fall 2022

MGT 405 Business Negotiation 3 Hours

Negotiation fundamentals, including strategy and tactics of distributive bargaining and integrative negotiation in the international business context.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Enrollment is limited to students in Business Data Analytics (504), Entrepreneurship (542), Accounting (602), Marketing (720), Management (723) or Business Economics (724)

Recent Term(s) Offered: fall 2021; fall 2022

MGT 410 Senior Seminar-Management 3 Hours (repeatable max of 9 hrs)

A special topics course covering subjects of current interest in management.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: None

MGT 411 Effective Staffing Practices 3 Hours

Explores the development and utilization of employee assessment methods. Specifically covers fair recruitment, hiring, and performance appraisal practices including application processes, interviews, assessment centers, and employee testing.

Prerequisite(s): (MGT 311 or PSY 370 or PSYS 370)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MGT 413 International Human Resource Management 3 Hours

Covers issues involved with managing human resources globally. Compares customs and regulations among various countries in the core areas of human resource management, including selection, development, compensation, performance management, and labor relations.

Prerequisite(s): MGT 311

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MGT 414 Compensation Administration 3 Hours

An investigation of the concepts and practices affecting compensation decisions in organizations, with emphasis on job analysis and evaluation, external competitiveness, employee motivation, legal requirements, and benefit administration.

Prerequisite(s): MGT 311

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MGT 415 Logistics and Transportation Management 3 Hours

This course is the study of business logistics, strategy, and planning to understand and optimize the movement of raw materials, parts and finished products from supplier to manufacturer to consumer. Students will build familiarity to the current issues, models, tools, and techniques in logistics and transportation management. Students will also be introduced to analytical methods for designing networks and measuring the performance of supply chains.

Recent Term(s) Offered: None

MGT 416 Management of Labor Relations 3 Hours

Legal and social context of the labor-management relationship in union and non-union environments; formation, structure and functioning of labor unions; union elections; collective bargaining; contract administration; dispute settlement; impasse resolution; and union avoidance.

Prerequisite(s): MGT 311

Recent Term(s) Offered: fall 2020

MGT 417 Organizational Behavior 3 Hours

An advanced course designed to develop an understanding of managing behavior in organizations.

Prerequisite(s): (MGT 310 or MGT 210)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

MGT 419 Management of Organizational Conflict 3 Hours

Designed to develop skills needed to manage interpersonal, intragroup, and intergroup conflict in organizations.

Recent Term(s) Offered: None

MGT 423 Sourcing and Procurement Management 3 Hours

Sourcing and procurement are strategically important activities integral to developing an organization's supply chain. This course is an overview of procurement fundamentals, sourcing strategies, supplier management and negotiations, and explores global trends in purchasing based on current laws and ethical considerations. Course materials will be presented with an emphasis on developing critical thinking essential for selecting the most effective approaches for building supplier networks.

Recent Term(s) Offered: None

MGT 473 Training in Business and Industry 3 Hours

An introduction to theories, research and methods of training needs analysis, program design, implementation, and evaluation. Note: Permission of instructor.

Prerequisite(s): (MGT 311 or PSYS 370)

Equivalent(s): PSYS 473

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MGT 490 Practicum in Management 3 Hours

Internships, independent studies, and special projects of interest to students and faculty in the Management area. These may include individual research projects, meaningful internships in profit or not-for-profit organizations with duties relating to Management, or other special projects approved by the Management Chair and the Management faculty. Note: A 2.5 cumulative GPA and 6 additional hours of Management course required; in addition, permission of the Management Chair and the instructor required.

Prerequisite(s): (MGT 210 or MGT 310)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

MGT 495 Strategic Human Resources Management 3 Hours

Case studies to evaluate the role human resources management plays in an organization. Discussions center around how talent can be used to support an organization's strategic advantage and create a competitive advantage.

Prerequisite(s): MGT 311 and MGT 305

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MGT 498 Strategy and Policy 3 Hours

The development and application of contemporary competitive strategies at mid and upper managerial levels. Capstone course uses cases and/or simulation to integrate materials from prerequisite courses.

Prerequisite(s): BDAN 305 and ACCT 110 and FIN 330 and (MGT 310 or MGT 210) and MGT 314 and (MKT 320 or MKT 220)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

MGT 499 Senior Assessment in Management 1 Hour (repeatable max of 1 hrs)

Preparation for and administration of the senior assessment exam. Discussion of educational and career opportunities beyond the baccalaureate degree. Note: Required of all Management majors in the last semester.

Prerequisite(s): (MGT 498 (may be taken concurrently) or MGT 496 (may be taken concurrently) or ENT 496 (may be taken concurrently))

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Management (So Campus) (MGMT)

MGMT 200C Legal Environment of Business 3 Hours

An introduction to the American public law system; use of law to achieve economic and social goals; legal responsibilities of the business manager.

Recent Term(s) Offered: None

Manufacturing Engineering Technology

MFGE 120 Basic Electricity 3 Hours

Basic concepts of AC and DC current, various types of circuits, electron theory and electrical laws.

Prerequisite(s): (MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C) or (MATH 117 or MA 117C) or MATH 118 or MATH 119 or MATH 127 or MATH 121 or MATH 136 or MATH 137 or MATH 142 or MATH 206 or MATH 237 or MATH 240 or MATH 275 or MATH 304 or MATH 305 or MATH 306

Course Fee: \$35

Recent Term(s) Offered: fall 2021; fall 2022

MFGE 205 CADD for Manufacturing 3 Hours

A solids modeling course designed to develop skills on the use of a PC based mechanical design software to build feature-based, parametric solid models of parts and assemblies. Manufacturing drawings - orthographics - of those parts and assemblies are produced.

Prerequisite(s): (MATH 117 or MA 117C) or (MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C) or MATH 118 or MATH 119 or MATH 127 or MATH 121 or MATH 136 or MATH 137 or MATH 142 or MATH 206 or MATH 237 or MATH 240 or MATH 275 or MATH 304 or MATH 305 or MATH 306

Course Fee: \$30

Recent Term(s) Offered: None

MFGE 217 Industrial Materials 3 Hours

Survey of materials concepts and their applications to the production of manufactured items. Included will be basic procedures for testing manufacturing materials and discussions of materials processing concepts and cautions.

Prerequisite(s): (MATH 117 or MA 117C) or MATH 118 or MATH 119 or MATH 127 or MATH 121 or MATH 136 or MATH 137 or MATH 142 or MATH 206 or MATH 237 or MATH 240 or MATH 304 or MATH 305 or MATH 306 or (MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C) and (CHEM 105 and CHEM 106) or CHEM 109 or CHEM 116 or (CHEM 120 and CHEM 121)

Course Fee: \$50

Recent Term(s) Offered: fall 2021; spring 2022; fall 2022

MFGE 227 Introduction to Manufacturing Methods 3 Hours

A descriptive study of manufacturing processes using production equipment with laboratory experiences in forming and separating processes.

Prerequisite(s): (MATH 115 with a minimum grade of C or MA 115C with a minimum grade of C or MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C or MATH 117 or MA 117C or MATH 118 or MATH 119 or MATH 127 or MATH 121 or MATH 136 or MATH 137 or MATH 142 or MATH 206 or MATH 237 or MATH 240 or MATH 275 or MATH 304 or MATH 305 or MATH 306)

Course Fee: \$50

Recent Term(s) Offered: spring 2022; fall 2022

MFGE 301 Introduction to Food Science and Technology 3 Hours

A comprehensive introduction to the basic concepts and principles of food science and the role of science in food processing and manufacturing.

Recent Term(s) Offered: None

MFGE 303 Food Laws and Regulations 3 Hours

History, development, and enforcement of major federal food statutes and regulations, with emphasis on the Federal Food, Drug, and Cosmetic Act (FDCA), the Food and Drug Administration (FDA) and the US Department of Agriculture (USDA) regulations. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2021; spring 2022; summer 2022; fall 2022

MFGE 328 Robotics and Machine Vision 3 Hours

Introduction to capabilities and limitations of robotic and machine vision systems, as well as fundamentals of programming. Laboratory activities are focused toward manufacturing applications.

Prerequisite(s): (MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C) or (MATH 117 or MA 117C) or MATH 118 or MATH 119 or MATH 127 or MATH 121 or MATH 136 or MATH 137 or MATH 142 or MATH 206 or MATH 237 or MATH 240 or MATH 275 or MATH 304 or MATH 305 or MATH 306

Course Fee: \$25

Recent Term(s) Offered: fall 2021; spring 2022; fall 2022

MFGE 342 Manufacturing Operations 3 Hours

Survey of methods for designing products for improved quality and manufacturability in industry, and designing manufacturing processes for improved reliability.

Prerequisite(s): (MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C) or (MATH 117 or MA 117C) or MATH 118 or MATH 119 or MATH 121 or MATH 127 or MATH 136 or MATH 137 or MATH 142 or MATH 206 or MATH 237 or MATH 240 or MATH 275 or MATH 304 or MATH 305 or MATH 306

Course Fee: \$20

Recent Term(s) Offered: fall 2021; spring 2022

MFGE 343 Automated Systems 3 Hours

Techniques of automated systems dealing with material handling, PLC, and off-the-shelf computer control systems. Programming the microprocessor for control applications may be included. Lecture and laboratory. Note: Permission of instructor may be required.

Prerequisite(s): MFGE 120 or EE 180 or EE 210

Course Fee: \$40

Recent Term(s) Offered: fall 2021; spring 2022

MFGE 352 Food Processing: Unit Operations 3 Hours

An overview of unit operations and processing techniques used in food processing industry. Topics include thermal processing, low temperature preservation, dehydration, irradiation, enzyme technology, separation and concentration, evaporation and distillation, and high-pressure and minimal processing methods.

Prerequisite(s): (MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C) or (MATH 117 or MA 117C) or MATH 118 or MATH 119 or MATH 127 or MATH 121 or MATH 136 or MATH 137 or MATH 142 or MATH 206 or MATH 237 or MATH 240 or MATH 275 or MATH 304 or MATH 305 or MATH 306

Recent Term(s) Offered: fall 2021; spring 2022; summer 2022; fall 2022

MFGE 356 Systems Design and Operation 3 Hours

A study of manufacturing organizations and their administration, facilities layout, work systems, forecasting and decision making. Applications of resource planning determining product demand, controlling inventory, goods and services.

Prerequisite(s): ECON 206 or MATH 183 or STAT 301 or SEAS 271

Course Fee: \$10

Recent Term(s) Offered: fall 2021; spring 2022; fall 2022

MFGE 370 Computer Numerical Control 3 Hours

Computer-aided manufacturing techniques including manual and computer-assisted numerical control. Students program and operate CNC machining centers. Lecture and Laboratory. Note: Consent of instructor may be required.

Prerequisite(s): MFGE 227

Course Fee: \$50

Recent Term(s) Offered: spring 2022

MFGE 381 Food Quality Assurance 3 Hours

Theory and application of quality assurance programs for the food processing industry, with emphasis on good manufacturing practices, sanitation programs and audits.

Prerequisite(s): (MFGE 301 or BIOL 207)

Recent Term(s) Offered: None

MFGE 395 Food Safety 3 Hours

Development and implementation of the Hazard Analysis and Critical Control Point (HACCP) system and its application in the food processing industry.

Recent Term(s) Offered: fall 2021; spring 2022; summer 2022; fall 2022

MFGE 396 Introduction to Supply Chain Management 3 Hours

Introduction to supply chain management and risk pooling, logistics network configuration, the value of information, customer value and decision support systems.

Prerequisite(s): (MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C) or (MATH 117 or MA 117C) or MATH 118 or MATH 119 or MATH 127 or MATH 121 or MATH 136 or MATH 137 or MATH 142 or MATH 206 or MATH 237 or MATH 240 or MATH 275 or MATH 304 or MATH 305 or MATH 306

Course Fee: \$10

Recent Term(s) Offered: fall 2021; spring 2022; summer 2022; fall 2022

MFGE 462 Commodity Food Processing 3 Hours

Principles of food processing, stages and operations, and product formulations for processing and manufacturing different categories of food products such as beverages, cereals, dairy, meats and poultry, and fruits and vegetables.

Prerequisite(s): MFGE 352

Recent Term(s) Offered: None

MFGE 490A Senior Research for Manufacturing Engineering Technology 3 Hours

Students work on capstone research projects utilizing skills and knowledge from prior courses in the Manufacturing Engineering Technology program. This is a lecture lab course that will incorporate all aspects of manufacturing in a simulated facility.

Prerequisite(s): (SEAS 356 (may be taken concurrently) with a minimum grade of C or MGT 314 (may be taken concurrently) with a minimum grade of C) and SEAS 390 with a minimum grade of C and SEAS 394 (may be taken concurrently)

Course Fee: \$50

Recent Term(s) Offered: spring 2022

MFGE 490B Senior Research for Engineering Technology Management 3 Hours

Students work on capstone research projects utilizing skills and knowledge from prior courses in the Engineering Technology Management program. Projects performed when possible will be for a specific client or industry. This course will require an approved course proposal prior to being able to register.

Prerequisite(s): (MFGE 356 with a minimum grade of C or MGT 314 with a minimum grade of C) and SEAS 390 with a minimum grade of C and SEAS 394 (may be taken concurrently)

Recent Term(s) Offered: fall 2021; spring 2022

Manufacturing Mgmt (So Campus) (MFG)

MFGE 240C Manufacturing Operations Management 3 Hours

A course designed to provide an overview background in manufacturing(product)operations management for production, supervisory and support personnel. Topics include analysis of production activities, techniques to improve production, planning, work measurement, material control, and forecasting.

Prerequisite(s): MGT 210

Recent Term(s) Offered: None

MFGE 245C Manufacturing Quality Management 3 Hours

A course designed to provide a background in manufacturing quality assurance for production, supervisory and support personnel. Topics include quality philosophies, issues related to quality control systems and statistical process control concepts and applications.

Prerequisite(s): MGT 210

Recent Term(s) Offered: None

Marketing (MKT)

MKT 220 Basic Marketing Concepts 3 Hours

Introduction to the functional activities of marketing including product, distribution, promotion, and pricing decisions; the importance of a consumer orientation; and strategic marketing planning including implementation and control marketing activities.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Undergraduate-Non Degree may **not** enroll.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

MKT 321 Consumer Behavior 3 Hours

A study of the basic concepts underlying consumer behavior; sociological and psychological phenomena which influence consumer behavior, and research approaches which allow marketers to predict and influence behavior.

Prerequisite(s): (MKT 320 or MKT 220)

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

MKT 322 Integrated Marketing Communications 3 Hours

This course examines the various components of the promotional mix both individually and collectively as an integrated whole. It addresses the need to target appropriate marketing communications to the publics of interest to both profit and nonprofit organizations.

Prerequisite(s): (MKT 320 or MKT 220)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

MKT 323 Services Marketing 3 Hours

A study of marketing as it applies to intangible products such as professional, health care, financial, and hospitality services. The course pays special attention to the interaction between marketing management and the simultaneous creation, delivery and consumption of services.

Prerequisite(s): (MKT 320 or MKT 220)

Recent Term(s) Offered: spring 2020; summer 2020; winter 2021; spring 2021; summer 2021; winter 2022; spring 2022; summer 2022

MKT 324 International Marketing 3 Hours

Theory, concepts and practices of firms engaged in various levels of international marketing. Emphasis placed on developing marketing strategies consistent with environmental opportunities.

Prerequisite(s): (MKT 320 or MKT 220)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

MKT 325 Personal Selling 3 Hours

A study of the fundamentals of personal selling with emphasis on self-confidence, control in the sales interaction, and appropriate sales techniques. Extensive opportunity is provided in the classroom for experience with various personal selling situations.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

MKT 326 Sports Marketing 3 Hours

This course explores one of the most important links between the sports industry and business. Emphasis is placed on the marketing of sports, such as the marketing performed by teams, leagues and sporting goods manufacturers, and marketing through sports, which entails using sports images and personalities to market nonsports products and services.

Prerequisite(s): (MKT 320 or MKT 220)

Recent Term(s) Offered: spring 2020; summer 2020; summer 2021; summer 2022

MKT 327 Retailing Management and Strategy 3 Hours

A study of the principles that underlie the successful operation of a company distributing goods and services directly to the ultimate consumer. This will include, but is not limited to, strategic decisions such as site selection, franchising, and target markets, as well as management decisions such as pricing, personnel selection, merchandising, and atmospheric design.

Prerequisite(s): (MKT 320 or MKT 220)

Recent Term(s) Offered: fall 2020; summer 2021; winter 2022; summer 2022; fall 2022

MKT 328 Digital Marketing 3 Hours

An entrepreneurial-oriented, applied course designed to thoroughly familiarize the student with the primary aspects of marketing on the World Wide Web.

Prerequisite(s): (MKT 320 or MKT 220)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MKT 329 Business-To-Business Marketing 3 Hours

Provide information specifically targeted at the field of business-to-business marketing. Explore the challenges, the environmental influences and managerial issues related to the marketing mix decision variables, product, place, promotion, and price, in a business-to-business setting.

Prerequisite(s): (MKT 320 or MKT 220)

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; fall 2021; spring 2022; fall 2022

MKT 331 Social Media Marketing 3 Hours

Examines the use of online social channels (social networking sites, websites, search engines, forums/message boards, video-sharing sites) to achieve marketing goals, including targeting markets on the social web, increasing effectiveness of communication in social web channels, and measuring the success of social media marketing campaigns

Prerequisite(s): (MKT 220 with a minimum grade of C or MKT 320 with a minimum grade of C)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

MKT 399 Career Readiness in Marketing 1 Hour

Introduction to preparation for a career in Marketing. Course topics to be discussed could include, but not limited to: exposure to careers in marketing; discussion of certifications found within the profession; development of professional writing skills; development of presentation skills; instruction within the area of professional resumes and cover letters; instruction within the area of interviewing skills and professional network; time management skills. This course is limited to juniors and seniors in the Marketing program and should be taken after the completion of MKT220.

Prerequisite(s): MKT 220 with a minimum grade of C

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Enrollment is limited to students in Marketing (720)

Recent Term(s) Offered: fall 2022

MKT 420 Senior Seminar-Marketing 3 Hours (repeatable max of 6 hrs)

A special topics course covering subjects of current interest in marketing.

Prerequisite(s): (MKT 320 or MKT 220)

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; fall 2022

MKT 421 Marketing Research 3 Hours

Analysis of the interaction between marketing information needs and decision-making; planning, executing and reporting results of research using modern research methods and applied statistics are stressed.

Prerequisite(s): (MKT 320 or MKT 220) and ECON 306

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; winter 2022; spring 2022; fall 2022

MKT 422 Marketing Management 3 Hours

An in-depth study of marketing activities from a managerial perspective. Areas of study include strategic planning; segmentation and target marketing; consumer behavior; marketing research; product, promotion, pricing, and distribution decisions; services marketing; and international marketing.

Prerequisite(s): MKT 421 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Marketing (720)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MKT 423 Supply Chain Management 3 Hours

A primarily non-quantitative study of the Place function of the marketing mix. An examination of the process of moving a product, idea or service from the producer to the ultimate purchaser. Topics of interest may include channel structures, transportation modes, channel power, conflict, negotiation strategies, and the various tools used by channel members.

Prerequisite(s): (MKT 320 or MKT 220)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MKT 424 Sales Force Management 3 Hours (repeatable max of 3 hrs)

Principles and concepts of sales planning and control, organizing sales departments, developing territories, recruiting, selecting, training, motivating and compensating salespeople, and controlling sales operations.

Prerequisite(s): (MKT 320 or MKT 220) and MKT 325

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MKT 425 Advanced Personal Selling Strategies 3 Hours

An advanced, experiential course designed to thoroughly familiarize the student with all of the primary aspects of personal selling, from a hands-on, applied approach.

Prerequisite(s): (MKT 320 or MKT 220) and MKT 325

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MKT 426 Esports Marketing and Branding 3 Hours

Focuses on learning the fundamentals of effective esports marketing and branding. The course explores the financial, legal, ethical, and operational issues surrounding the esports industry.

Prerequisite(s): MKT 220

Recent Term(s) Offered: fall 2021; spring 2022; fall 2022

MKT 427 Entrepreneurial Marketing 3 Hours

A study of key marketing strategies relevant to new ventures that prepares students to work in an entrepreneurial firm to run their own business.

Prerequisite(s): (MKT 320 or MKT 220)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MKT 431 Advanced Social Media Marketing 3 Hours

Provides a more advanced perspective on knowledge gained in MKT 331, Social Media Marketing. Students will apply concepts through development of strategies and content for a variety of social media platforms, as well as gauge the effectiveness of content creation through analytics.

Prerequisite(s): MKT 331

Recent Term(s) Offered: None

MKT 490 Practicum in Marketing 1-3 Hours (repeatable max of 3 hrs)

Internships, independent studies, and special projects of interest to students and faculty in the marketing area. These may include individual research projects approved by the department head and supervised by a member of the marketing faculty, meaningful internships with area businesses with duties relating to marketing, or other special projects which may be approved by the department head and the marketing faculty. Note: Requires a 2.75 cumulative GPA, 6 additional hours of marketing, and permission of instructor.

Prerequisite(s): (MKT 320 or MKT 220)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MKT 491 Marketing Study Abroad 1-6 Hours (repeatable max of 6 hrs)

Experiential learning taking place in a foreign culture in a foreign country. Provides students with the opportunity to experience and learn about marketing in a foreign nation. This may be part of a formalized program (i.e., KIIS or CCSA) or it could be a customized program developed within the department for an individual or small group of students.

Prerequisite(s): (MKT 320 or MKT 220)

Recent Term(s) Offered: None

MKT 499 Senior Assessment in Marketing 1 Hour

Preparation for and administration of the senior assessment exam.

Discussion of educational and career opportunities beyond the baccalaureate degree. Discussion of the transition from college to workplace, including final preparation of career-related materials. Note: Required of all Marketing majors in the last semester.

Prerequisite(s): MKT 399 with a minimum grade of C

Restriction(s): Enrollment limited to students with a semester level of Senior.

Recent Term(s) Offered: None

Mathematics (So Campus) (MA)

Mathematics courses numbered below 136 are not applicable toward a major or minor in mathematics. A student who has earned credit for the listed course with a grade of "C" or better may not subsequently receive credit for the courses following in parentheses: MATH 116/MATH 123 (MATH 115); MATH 117 (MATH 115 and 116/123); MATH 118 (MATH 115, 116 and 117), MATH 119 (MATH 115, 116/123, and 118), MATH 136 (MATH 115, 116/123, 117, 118, and 119); MATH 137 (MATH 115, 116/123, 117, 118, 119, and 136); MATH 310 (MATH 109); MATH 382 (MATH 109 and 183); STAT 301 (MATH 109 and 183). Students may only take the courses MA TH 116 and MA TH 123 for a total of three graded attempts.

MA 109C General Mathematics 3 Hours

Terminal course for non-science majors suggested for the student who has satisfactorily completed minimum high school mathematics requirements and needs no further work in algebra. Topics include sets, introduction to probability and statistics, geometry, and consumer mathematics. **Colonnade/Statewide General Education Code F-QR | QR Equivalent(s):** MATH 109

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

MA 115C Applied College Algebra 3 Hours

Intended primarily for students who are not majoring in a scientific or technical field; not intended for students whose curriculum requires trigonometry or calculus. Emphasis is on real-world problems that involve reading, writing, calculating, synthesizing, and clearly reporting results. Topics include linear, quadratic, exponential and logarithmic functions, and systems of equations. (Graphing calculator required). **Colonnade/Statewide General Education Code F-QR | QR**

Prerequisite(s): (ACT Math with a score of 20 or SAT Mathematics Score with a score of 540 or MPE - Algebra with a score of 12 or KYOTE College Algebra with a score of 12 or Math 105 PreReq MATH115/116C or HS GPA Transcript with a score of 3.0) or (HS GPA Transcript with a score of 2.0 and MATH 105 (may be taken concurrently))

Equivalent(s): MATH 115

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

MA 116C College Algebra 3 Hours

Graphing and problem solving are integrated throughout the study of polynomial, absolute value, rational, radical, exponential, and logarithmic functions. (Graphing calculator required.) Note: High school Algebra I and II may be required. **Colonnade/Statewide General Education Code F-QR | QR**

Prerequisite(s): (MPE - Algebra with a score of 12 or SAT Mathematics Score with a score of 540 or ACT Math with a score of 20 or KYOTE College Algebra with a score of 12 or Math 105 PreReq MATH115/116C or HS GPA Transcript with a score of 3.0) or (HS GPA Transcript with a score of 2.0 and MATH 105 (may be taken concurrently))

Equivalent(s): MATH 116

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

MA 117C Trigonometry 3 Hours

Unit circle; trigonometric functions and graphs; trigonometric identities and equations; right triangle trigonometry; laws of sines and cosines; DeMoivre's Theorem; vectors and applications of trigonometry. (Graphing calculator required.) Note: Four years of high school mathematics including Algebra I and II and geometry may be required. **Colonnade/Statewide General Education Code F-QR | QR**

Prerequisite(s): (MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C)

Equivalent(s): MATH 117

Recent Term(s) Offered: None

Mathematics (Univ) (MATH)

Mathematics courses numbered below 136 are not applicable toward a major or minor in mathematics. A student who has earned credit for the listed course with a grade of "C" or better may not subsequently receive credit for the courses following in parentheses: MATH 116/MATH 123 (MATH 115); MATH 117 (MATH 115 and 116/123); MATH 118 (MATH 115, 116 and 117), MATH 119 (MATH 115, 116/123, and 118), MATH 136

(MATH 115, 116/123, 117, 118, and 119); MATH 137 (MATH 115, 116/123, 117, 118, 119, and 136); MATH 310 (MATH 109); MATH 382 (MATH 109 and 183); STAT 301 (MATH 109 and 183). Students may only take the courses MA TH 116 and MA TH 123 for a total of three graded attempts.

MATH 105 Corequisite Support for Algebra 1 Hour

Corequisite support for students in Math 115C, Math 116C, or Math 123. Topics include functions, graphs and fundamental concepts of algebra.

Prerequisite(s): MA 115C (may be taken concurrently) or MA 116C (may be taken concurrently) or MATH 123 (may be taken concurrently)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

MATH 109 General Mathematics 3 Hours

Terminal course for non-science majors suggested for the student who has satisfactorily completed minimum high school mathematics requirements and needs no further work in algebra. Topics include sets, introduction to probability and statistics, geometry, and consumer mathematics. **Colonnade/Statewide General Education Code F-QR | QR**

Prerequisite(s): (ACT Math with a score of 19 or SAT Mathematics Score with a score of 510 or HS GPA Transcript with a score of 3.0)

Equivalent(s): MA 109C

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

MATH 112 Problem Solving and Mathematical Skills for Teachers 3 Hours

Development of mathematical skills and problem-solving techniques necessary for pre-service teachers. Topics include: number and algebra, geometry, probability and statistics. **Colonnade/Statewide General Education Code F-QR | QR**

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MATH 115 Applied College Algebra 3 Hours

Intended primarily for students who are not majoring in a scientific or technical field; not intended for students whose curriculum requires trigonometry or calculus. Emphasis is on real-world problems that involve reading, writing, calculating, synthesizing, and clearly reporting results. Topics include linear, quadratic, exponential and logarithmic functions, and systems of equations. (Graphing calculator required). **Colonnade/Statewide General Education Code F-QR | QR**

Prerequisite(s): (ACT Math with a score of 22 or SAT Mathematics Score with a score of 540 or MPE - Algebra with a score of 14 or KYOTE College Algebra with a score of 14 or Compass - Algebra with a score of 50 or HS GPA Transcript with a score of 3.5)

Equivalent(s): MA 115C

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

MATH 116 College Algebra 3 Hours

Graphing and problem solving are integrated throughout the study of polynomial, absolute value, rational, radical, exponential, and logarithmic functions. (Graphing calculator required.) **Colonnade/Statewide General Education Code F-QR | QR**

Prerequisite(s): (MPE - Algebra with a score of 14 or SAT Mathematics Score with a score of 540 or ACT Math with a score of 22 or KYOTE College Algebra with a score of 14 or HS GPA Transcript with a score of 3.5)

Equivalent(s): MA 116C

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

MATH 117 Trigonometry 3 Hours

Unit circle; trigonometric functions and graphs; trigonometric identities and equations; right triangle trigonometry; laws of sines and cosines; DeMoivre's Theorem; vectors and applications of trigonometry. (Graphing calculator required.) Note: Four years of high school mathematics including Algebra I and II and geometry may be required. **Colonnade/Statewide General Education Code F-QR | QR**

Prerequisite(s): (ACT Math with a score of 27 or (ACT Math with a score of 22 and MPE - Algebra with a score of 18) or (MATH 116 with a minimum grade of C or MATH 116E with a minimum grade of C or MA 116C with a minimum grade of C or MATH 123 with a minimum grade of C) or SAT Mathematics Score with a score of 610 or (SAT Mathematics Score with a score of 540 and MPE - Algebra with a score of 18))

Equivalent(s): MA 117C

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

MATH 118 College Algebra and Trigonometry 5 Hours

Real number system, algebraic manipulations, and solutions of equations and inequalities, absolute value, exponential and logarithmic functions, trigonometry, systems of equations, complex numbers. (Graphing calculator required.) Note: Four years of high school mathematics including Algebra I and II and geometry may be required. **Colonnade/Statewide General Education Code QR**

Prerequisite(s): (ACT Math with a score of 22 and MPE - Algebra with a score of 18)

Recent Term(s) Offered: None

MATH 119 Fundamentals of Calculus 4 Hours

An introduction to calculus designed for non-science and non-technical majors. Applications are directed toward the management sciences and related areas. Not accepted for credit toward a mathematics major or minor. (Graphing calculator required.) Note: Four years of high school mathematics, including Algebra I and II and geometry, and a satisfactory score on Math Placement exam are required if MATH 116 or MATH 118 has not been met. **Colonnade/Statewide General Education Code QR**

Prerequisite(s): (MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C or MATH 118 with a minimum grade of C)

Recent Term(s) Offered: None

MATH 121 Computational Problem Solving 4 Hours

Students will tackle problems ranging from elementary to advanced, using mathematical methods, algorithmic techniques, and computational methods. This course is taught jointly by mathematics and computer science faculty. Note: Enrollment in Gatton Academy of Mathematics and Science in Kentucky is required.

Corequisite(s): MATH 117

Equivalent(s): CS 121

Recent Term(s) Offered: None

MATH 123 Mathematical Applications for Business 3 Hours

Business applications of linear, quadratic, exponential and logarithmic functions, plus a brief introduction to probability, the mathematics of finance, and derivatives as they apply to problem-solving strategies in business-related fields. **Colonnade/Statewide General Education Code F-QR | QR**

Prerequisite(s): (ACT Math with a score of 22 or SAT Mathematics Score with a score of 540 or MPE - Algebra with a score of 14 or KYOTE College Algebra with a score of 14 or HS GPA Transcript with a score of 3.5) or (HS GPA Transcript with a score of 2.0 and MATH 105 (may be taken concurrently))

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; winter 2022; spring 2022; fall 2022

MATH 127 Applied Geometry 3 Hours

Euclidean geometry with historical applications, including tilings, fractals, circular and spiral designs, celestial themes, special topics in linear algebra, and the origins of perspective.

Prerequisite(s): (MATH 116 with a minimum grade of C or MATH 116E with a minimum grade of C or MA 116C with a minimum grade of C or ACT Math with a score of 22 or MPE - Algebra with a score of 18 or ACT Math with a score of 27)

Recent Term(s) Offered: None

MATH 136 Calculus I 4 Hours

A course in one-variable calculus including topics from analytic geometry. Limits, derivatives, integration, and applications of polynomial, rational, trigonometric and transcendental functions. Includes lecture and recitation. Note: Four years of high school mathematics including Algebra II, geometry may be required. **Colonnade/Statewide General Education Code F-QR | QR**

Prerequisite(s): ((ACT Math with a score of 27 or SAT Mathematics Score with a score of 640) or (ACT Math with a score of 22 and MPE - Algebra with a score of 20) or (SAT Mathematics Score with a score of 540 and MPE - Algebra with a score of 20) and MPTE - Trigonometry with a score of 10 or (MATH 117 with a minimum grade of C or MA 117C with a minimum grade of C or MATH 118 with a minimum grade of C))

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

MATH 137 Calculus II 4 Hours

A second course in one-variable calculus including topics from analytic geometry. Methods of integration, sequences and series, polar and parametric functions. Includes lecture and recitation.

Prerequisite(s): MATH 136 with a minimum grade of C

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

MATH 142 Calculus with Applications for Life Sciences 5 Hours

Exponential and logarithmic functions, derivatives, integration, first order differential equations, and systems of linear equations, with major emphasis on applications in life sciences. Note: Four years of high school mathematics, including Algebra I and II, geometry, and a course that includes trigonometry is required if MATH 117 and MATH 118 has not been met. **Colonnade/Statewide General Education Code F-QR | QR**

Prerequisite(s): (ACT Math with a score of 22 and MPE - Algebra with a score of 20 and MPTE - Trigonometry with a score of 10) or (ACT Math with a score of 27 and MPTE - Trigonometry with a score of 10) or (MATH 117 (may be taken concurrently) with a minimum grade of C or MA 117C (may be taken concurrently) with a minimum grade of C or MATH 118 with a minimum grade of C)

Recent Term(s) Offered: None

MATH 183 Introductory Statistics 3 Hours

Introduction to elementary probability theory. The analysis of data by means of frequency distributions and the statistics which describe them. The binomial and normal probability distributions. Statistical inference. Emphasis is on applied real world problems. Not accepted for credit toward a mathematics major or minor. **Colonnade/Statewide General Education Code F-QR | QR**

Prerequisite(s): (MPE - Algebra with a score of 14 or SAT Mathematics Score with a score of 540 or ACT Math with a score of 22 or KYOTE College Algebra with a score of 14 or MATH 109 with a minimum grade of C or MA 109C with a minimum grade of C or MATH 112 with a minimum grade of C or MATH 115 with a minimum grade of C or MA 115C with a minimum grade of C or MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C or MATH 117 with a minimum grade of C or MATH 123 with a minimum grade of C or MATH 136 with a minimum grade of C or MATH 142 with a minimum grade of C or HS GPA Transcript with a score of 3.5)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

MATH 205 Number Systems and Number Theory for Teachers 3 Hours

Development of conceptual understanding of elementary place value, operations on whole numbers and integers, number theory, basic algebra and functions.

Prerequisite(s): (MATH 112 with a minimum grade of C or MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C or MATH 117 with a minimum grade of C or MATH 136 with a minimum grade of C or MATH 183 with a minimum grade of C)

Restriction(s): Enrollment is limited to students in Special Ed: LBD and Elm Edu (5003) , Elementary Education (527) , Exceptional Ed - LBD and MSD (553) , Middle Grades Education (579) , Mathematics (728) , Mathematics-Prep (728P) , Middle Grades Mathematics (730) or Middle Grades Mathematics-Prep (730P)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

MATH 206 Fundamentals of Geometry for Teachers 3 Hours

Conceptual development of fundamental concepts of geometry and measurement. Note: Completion of general education math course is required.

Prerequisite(s): MATH 205 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Special Ed: LBD and Elm Edu (5003) , Elementary Education (527) , Exceptional Ed - LBD and MSD (553) , Middle Grades Education (579) , Mathematics (728) , Mathematics-Prep (728P) , Middle Grades Mathematics (730) or Middle Grades Mathematics-Prep (730P)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

MATH 237 Multivariable Calculus 4 Hours

Topics in real-valued functions of several variables including directional derivatives, implicit functions, gradient, Taylor's Theorem, maxima, minima, and Lagrange multipliers. Differential calculus of vector-valued functions including chain rule and Inverse Function Theorem. Multiple integrals, line integrals, surface integrals, Stokes' and Green's Theorems.

Prerequisite(s): MATH 137 with a minimum grade of C

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MATH 240 Geometry in Art and Architecture 3 Hours

Euclidean geometry with historical applications in art and architecture, such as tiling, circular and spiral designs, designs of the great cathedrals in Europe, Buddhist stupas in Asia, Islamic art, the development of visual perspective, and musical ratios. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status and (MATH 112 with a minimum grade of B or MATH 116 with a minimum grade of B or MATH 115 with a minimum grade of B or MATH 117 with a minimum grade of B or MATH 109 with a minimum grade of B or MATH 136 with a minimum grade of B or MATH 142 with a minimum grade of B or MATH 183 with a minimum grade of B)

Equivalent(s): HUM 240

Recent Term(s) Offered: None

MATH 270 The Mathematics of Social Justice 3 Hours

Use of mathematical and statistical tools to examine social justice topics on local, regional, national, and global scales. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: None

MATH 275 Introductory Topics in Mathematics 1-3 Hours (repeatable max of 3 hrs)

Varied topics selected to give students an early introduction to interesting mathematical problems or applications not found in the foundation sequence. Note: Permission of instructor required.

Prerequisite(s): MATH 136

Recent Term(s) Offered: spring 2020; fall 2020; winter 2021; spring 2021; fall 2021; spring 2022

MATH 295 Introduction to Research Methodology 1 Hour

To familiarize Ogden Research Scholars and other interested students with the fundamentals of choosing a research topic, performing a bibliographical search on a subject, classification of instruments, data taking, data reduction, professional ethics and related topics. The common points of research methodology in the different scientific areas will be emphasized, with examples drawn from various disciplines. Computers will be utilized. (Course does not count toward any major or minor.) Note: Ogden Research Scholar, or 3.2 grade point average at the end of freshman year or Ogden College faculty member recommendation is required.

Equivalent(s): ENGR 295, CHEM 295, GEOL 295, BIOL 295, CS 295, PHYS 295

Recent Term(s) Offered: None

MATH 302 Introduction to Advanced Mathematics for Middle Grades Teachers 3 Hours

Development of skills in reasoning, justification, abstraction, generalization, and making connections through the study of selected topics from logic, sets, relations and functions, combinatorics, number theory, graph theory, and matrix algebra, as appropriate for middle grades mathematics teachers.

Prerequisite(s): MATH 136

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

MATH 304 Functions, Applications and Explorations 3 Hours

In-depth study of mathematical topics used in teaching pre-calculus and transition-to-calculus courses at the middle and secondary school levels. Modeling with linear, exponential, and trigonometric functions; curve fitting; discrete and continuous models.

Prerequisite(s): MATH 137 with a minimum grade of C or (MATH 225 with a minimum grade of C or MATH 302 with a minimum grade of C)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MATH 305 Introduction to Mathematical Modeling 3 Hours

Theory and computer implementation of mathematical models. Deterministic, stochastic, discrete, continuous, and matrix models. Introduction to advanced topics such as linear algebra, differential and difference equations, probability, stochastic processes, and dynamical systems.

Prerequisite(s): MATH 137 with a minimum grade of C

Recent Term(s) Offered: fall 2020; fall 2022

MATH 306 Applied and Computational Linear Algebra 3 Hours

Basic concepts and computational techniques of matrix and linear algebra. Practical methods using computer software for small-to-large data sets. Applications in economics, finance, informatics, statistics, and social, engineering, physical and biological sciences. Computer assignments are required. Not accepted for credit toward a mathematics major or minor.

Prerequisite(s): (MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C) and (MATH 183 with a minimum grade of C or MATH 136 with a minimum grade of C or MATH 142 with a minimum grade of C)

Recent Term(s) Offered: None

MATH 307 Introduction to Linear Algebra 3 Hours

Systems of linear equations, matrix algebra, vector spaces, inner product spaces, linear transformations, eigenvectors, quadratic forms.

Prerequisite(s): (MATH 137 with a minimum grade of C or MATH 136 with a minimum grade of A or MATH 142 with a minimum grade of A) or (MATH 136 with a minimum grade of C and CS 290 with a minimum grade of C)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MATH 308 Rational Numbers and Data Analysis for Teachers 3 Hours

Conceptual development of rational number system, including operations with and relationships among fractions, decimals, and percents; elementary probability and statistics.

Prerequisite(s): MATH 205 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Special Ed: LBD and Elm Edu (5003), Elementary Education (527), Mathematics (728), Mathematics-Prep (728P), Middle Grades Mathematics (730) or Middle Grades Mathematics-Prep (730P)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

MATH 310 Introduction to Discrete Mathematics 3 Hours

Introduction to discrete topics. Development of skills in abstraction and generalization. Set theory, functions and relations, mathematical induction, elementary propositional logic, quantification, truth tables, validity; counting techniques, pigeonhole principle, permutations and combinations; recurrence relations and generating functions; elementary graph theory, isomorphisms, trees.

Prerequisite(s): MATH 137 with a minimum grade of C

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MATH 315 Theory of Numbers 3 Hours

A study of the arithmetic of the integers, divisibility, prime numbers, factorization, diophantine equations, congruences, quadratic residues.

Prerequisite(s): MATH 307 with a minimum grade of C

Recent Term(s) Offered: None

MATH 317 Introduction to Algebraic Systems 3 Hours

Introduction to groups, rings, polynomial rings, integral domains, and fields.

Prerequisite(s): MATH 307 with a minimum grade of C and MATH 310 with a minimum grade of C

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

MATH 323 Geometry I 3 Hours

An axiomatic development of Euclidean and absolute plane geometry.

Prerequisite(s): MATH 310 with a minimum grade of C

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MATH 331 Differential Equations 3 Hours

Methods of solution of differential equations, existence and nature of solutions, Laplace transform method, infinite series and numerical solutions, and applications.

Prerequisite(s): MATH 137 with a minimum grade of C

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

MATH 337 Elements of Real Analysis 3 Hours

Basic concepts and techniques of real analysis, including proofs by induction and contradiction, the number system, functions of real variables, sets, series and sequences, cardinality, continuity, convergence, and elementary topology.

Prerequisite(s): MATH 237 with a minimum grade of C and MATH 307 with a minimum grade of C and MATH 310 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MATH 350 Advanced Engineering Mathematics 3 Hours

Special topics in Laplace transforms, linear algebra and complex analysis. Designed for engineering students.

Prerequisite(s): MATH 331

Recent Term(s) Offered: None

MATH 370 Applied Techniques in Mathematics 3 Hours

Matrices, systems of ordinary differential equations, complex variables, and at least one of the topics from Fourier analysis, numerical analysis or optimization (linear programming, Lagrange multipliers).

Prerequisite(s): MATH 237 with a minimum grade of C and MATH 331 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2021

MATH 371 Advanced Computational Problem Solving 3 Hours

Problem-solving tools and techniques, with an emphasis on mathematical reasoning, algorithmic techniques, and computational methods. Techniques and tools are applied to (research) areas of interest to enrolled students, in the context of a project involving program design and implementation. The course is taught jointly by mathematics and computer science faculty. Note: Enrollment in the Gatton Academy of Mathematics and Science or Honors Program eligibility at WKU required.

Prerequisite(s): CS 180 with a minimum grade of C and MATH 136 (may be taken concurrently)

Equivalent(s): CS 371

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MATH 382 Probability and Statistics I 3 Hours

Axioms and laws of probability; discrete and continuous probability distributions; multivariate distributions; random variables; expectation; moment generating functions; Central Limit Theorem.

Prerequisite(s): MATH 310 with a minimum grade of C and MATH 237 (may be taken concurrently)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MATH 398 Seminar 1 Hour (repeatable max of 3 hrs)

Students will work on a topic of interest under the direction of a mathematics faculty member, who will set the requirements for the course. Mathematics majors could have the opportunity to continue this work in MATH 498.

Prerequisite(s): MATH 237 with a minimum grade of C

Recent Term(s) Offered: spring 2021

MATH 403 Geometry for Elementary and Middle School Teachers 3 Hours

Both formal and informal methods are used to explain the basic concepts of Euclidean geometry. Emphasis is given to the investigative approach, organizational skills, and problem solving. Note: (For students in the early grades (K-4) teacher certification program or students pursuing middle grades (5-8) certification with a mathematics emphasis.)

Prerequisite(s): MATH 206 with a minimum grade of C and (MATH 225 with a minimum grade of C or MATH 302 with a minimum grade of C)

Recent Term(s) Offered: spring 2020; summer 2020; spring 2021; spring 2022

MATH 405 Numerical Analysis I 3 Hours

Computer arithmetic, roots of equations, polynomial approximation and interpolation, numerical differentiation and integration. Computer solutions of problems will be required.

Prerequisite(s): MATH 137 with a minimum grade of C and (MATH 237 with a minimum grade of C or MATH 307 with a minimum grade of C or MATH 310 with a minimum grade of C) and (CS 146 with a minimum grade of C or CS 180 with a minimum grade of C)

Equivalent(s): CS 405

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MATH 406 Numerical Analysis II 3 Hours

The solution of linear systems by direct and iterative methods, matrix inversion, the calculation of eigenvalues and eigenvectors of matrices. Initial and boundary value problems in ordinary differential equations. Computer solution of problems will be required.

Prerequisite(s): MATH 237 with a minimum grade of C and MATH 307 with a minimum grade of C and MATH 331 with a minimum grade of C and (MATH 405 with a minimum grade of C or CS 405 with a minimum grade of C)

Recent Term(s) Offered: spring 2020

MATH 409 History of Mathematics 3 Hours

History of mathematics from ancient times through the development of calculus, with emphasis on famous problems. Provides knowledge and appreciation useful in the classroom. This course cannot be accepted as part of the 35-hour requirement for the non-certifiable mathematics major. Term papers will be required. Note: Six hours of approved mathematics courses at the 300 and/or 400 level or permission of instructor required.

Recent Term(s) Offered: None

MATH 411 Problem Solving for Elementary and Middle School Teachers 3 Hours

Integrates concepts developed in algebra, geometry, logic, statistics, probability, and elementary number theory. Students are encouraged to use problem-solving strategies, models, and technologies, and to create problems of their own.

Prerequisite(s): MATH 206 with a minimum grade of C and (MATH 225 with a minimum grade of C or MATH 302 with a minimum grade of C) and MATH 308 with a minimum grade of C

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

MATH 413 Algebra and Technology for Middle Grades Teachers 3 Hours

The use of graphing calculators and computer software to explore algebraic ideas including patterns, functions, equations, inequalities, linear programming, curve fitting, and practical applications of algebra and technology.

Prerequisite(s): (MATH 302 with a minimum grade of C or MATH 137 with a minimum grade of C)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MATH 415 Algebra and Number Theory 3 Hours

An integrated survey of modern algebra and number theory. Topics include number systems, divisibility, congruences, groups and their application to number theory.

Prerequisite(s): (MATH 315 with a minimum grade of C or MATH 317 with a minimum grade of C)

Recent Term(s) Offered: None

MATH 417 Algebraic Systems 3 Hours

The theory of finite groups and related algebraic systems. Lagrange's Theorem, Sylow Theorems, and the structure of finite groups are studied. Applications of group theory to the study of algebraic problems and symmetry.

Prerequisite(s): MATH 317 with a minimum grade of C

Recent Term(s) Offered: spring 2022

MATH 421 Problem Solving for Secondary Teachers 3 Hours

Utilizes various techniques and technology to solve mathematical problems. Integrates concepts from algebra, geometry, trigonometry, probability, statistics, number theory, discrete mathematics, linear algebra, and calculus. Note: Permission of instructor may be required.

Prerequisite(s): MATH 137 with a minimum grade of C and (MATH 307 with a minimum grade of C or MATH 310 with a minimum grade of C)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MATH 423 Geometry II 3 Hours

An axiomatic development of hyperbolic geometry based on the hyperbolic parallel postulate and the absolute geometry developed in MATH 323, including an emphasis on contrasts with Euclidean geometry. Note: Permission of instructor may be required.

Prerequisite(s): MATH 323 with a minimum grade of C and MATH 137 with a minimum grade of C

Recent Term(s) Offered: None

MATH 431 Intermediate Analysis I 3 Hours

Topics in analysis chosen from inverse and implicit function theorems, differentiation, integration, infinite series, series of functions, and elementary functional analysis.

Prerequisite(s): MATH 337 with a minimum grade of C

Recent Term(s) Offered: fall 2020; fall 2022

MATH 435 Partial Differential Equations 3 Hours

Equations of first and second order; elliptic, hyperbolic and parabolic equations; Sturm-Liouville theory; applications to equations of mathematical physics using separation of variables and Fourier series.

Prerequisite(s): MATH 237 with a minimum grade of C and MATH 307 with a minimum grade of C and MATH 331 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MATH 439 Topology I 3 Hours

Introduction to topology including topics selected from: topological spaces, mappings, homeomorphisms, metric spaces, surfaces, knots, manifolds, separation properties, compactness and connectedness. Note: Permission of instructor may be required.

Prerequisite(s): MATH 317 with a minimum grade of C

Recent Term(s) Offered: fall 2021; fall 2022

MATH 450 Complex Variables 3 Hours

Complex number plane, analytic functions of a complex variable, integration, power series, calculus of residues, conformal representation, applications of analytic function theory.

Prerequisite(s): MATH 237 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MATH 470 Introduction to Operations Research 3 Hours

Principles and techniques of operations research including linear programming, integer programming, quality theory, sensitivity analysis, and dynamic programming.

Prerequisite(s): MATH 237 with a minimum grade of C and MATH 307 with a minimum grade of C

Recent Term(s) Offered: None

MATH 473 Introduction to Graph Theory 3 Hours

Fundamental concepts, key ideas and tools in graph theory, with an emphasis on proof methods, algorithms and applications. Techniques and tools are applied to practical optimization problems and other areas of mathematics and computer science. Note: Permission of instructor may be required.

Prerequisite(s): MATH 307 with a minimum grade of C and MATH 310 with a minimum grade of C

Equivalent(s): CS 473

Recent Term(s) Offered: fall 2022

MATH 475 Selected Topics in Mathematics 1-3 Hours (repeatable max of 6 hrs)

A consideration of special topics to acquaint the advanced undergraduate student with significant problems and developments of current interest in mathematics. Topics may vary each semester offered. Note: Permission of instructor required.

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; fall 2022

MATH 482 Probability and Statistics II 3 Hours

Multivariate probability distributions; sampling distributions, statistical inference; point and interval estimation, properties of estimators; hypothesis testing; regression and correlation; analysis of variance; non-parametric methods.

Prerequisite(s): MATH 237 with a minimum grade of C and MATH 382 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MATH 490 Seminar in Middle Grades Mathematics 1-3 Hours (repeatable max of 3 hrs)

Designed to integrate the ideas and techniques students have encountered in the middle grades mathematics major. Students undertake independent investigations in mathematics. Papers and oral presentations are required. Note: Completion of at least 25 hours of mathematics courses with grades of C or better, required for the Middle Grades Mathematics Degree.

Prerequisite(s): (MATH 411 (may be taken concurrently) or MATH 421 (may be taken concurrently))

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MATH 497 Senior Seminar in Mathematical Economics 1 Hour

This course is designed to integrate the ideas and techniques students have encountered in their work in mathematics and economics. Students will study research articles and/or undertake independent investigations in mathematical economics.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in Mathematical Economics (731)

Equivalent(s): ECON 497

Recent Term(s) Offered: spring 2022

MATH 498 Senior Seminar 1-3 Hours (repeatable max of 3 hrs)

Students will study articles in current mathematical journals or undertake independent investigations in mathematics. Written and oral presentations will be required. Note: Permission of instructor may be required.

Prerequisite(s): MATH 237 with a minimum grade of C and MATH 317 with a minimum grade of C

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Mechanical Engineering (ME)

ME 176 Mechanical Engineering Freshman Design 1 Hour

An introduction to mechanical engineering. The design process and basic professional tools are introduced through multiple projects. Permission of instructor only.

Prerequisite(s): (MATH 117 (may be taken concurrently) or MATH 136 (may be taken concurrently) or MATH 137 (may be taken concurrently) or MATH 237 (may be taken concurrently) or MATH 331 (may be taken concurrently))

Course Fee: \$25

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ME 180 Freshman Design II 3 Hours

A continuation of the engineering design process, with an emphasis on electromechanical design and the use of professional engineering tools. Virtual and rapid prototypes will be developed through a series of integrated projects. Basic concepts in engineering experimentation will be introduced.

Prerequisite(s): ME 176 with a minimum grade of C and MATH 136 with a minimum grade of C

Course Fee: \$275

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ME 200 Sophomore Design 3 Hours

Enhances design abilities through individual and team design projects, develops structured problem-solving techniques and written, oral and graphical communication skills. Note: Pre Major must be satisfied in iCAP.

Prerequisite(s): ME 180 with a minimum grade of C

Course Fee: \$120

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ME 220 Engineering Thermodynamics I 3 Hours

Fundamental principles of thermodynamics, first law, physical properties, ideal and real gases, second law, reversibility and irreversibility, and consequences of thermodynamic cycles.

Prerequisite(s): (EM 221 or EM 222) and MATH 331 (may be taken concurrently)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; winter 2022; fall 2022

ME 240 Materials and Methods of Manufacturing 3 Hours

Introduction to the science of engineering materials including structures from the atomic to macroscopic scales, properties, strengthening mechanisms, phase diagrams, and correlation between processing and properties. Introduction to manufacturing process selection and properties of materials.

Prerequisite(s): MATH 136 with a minimum grade of C and (CHEM 116 with a minimum grade of C or CHEM 120 with a minimum grade of C)

Corequisite(s): ME 241

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ME 241 Materials and Methods of Manufacturing Lab 1 Hour

Laboratory supporting ME 240. Experiments to develop understanding of materials science, engineering material properties and relationships between processing and properties. Exposure to manufacturing methods through experimentation and observation, including field trips to regional sites.

Prerequisite(s): (CHEM 106 or CHEM 121)

Corequisite(s): ME 240

Course Fee: \$35

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ME 300 Junior Design 2 Hours

Introduces the concept of design methodologies: Design for Assembly, Design for Manufacturing, etc. and applies these techniques to design projects. Written, oral, and graphical communication skills will continue to be developed, including skills in working with vendors for production of components to engineering specifications.

Prerequisite(s): ME 200 with a minimum grade of C and ME 220 and ME 344

Restriction(s): Enrollment is limited to students in Mechanical Engineering (543)

Course Fee: \$120

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ME 310 Engineering Instrumentation and Experimentation 3 Hours

The use of sensors and instruments to measure the behavior of mechanical systems is explored. Application of sensors, calibration of systems, and methods of data collection and analysis are covered with an emphasis on uncertainty analysis. Application of principals explored in corequisite laboratory, ME 347.

Prerequisite(s): EM 303 and EE 210

Corequisite(s): ME 347

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; spring 2022

ME 321 Engineering Thermodynamics II 3 Hours

Gas mixtures, air-water vapor mixtures. Air conditioning system design. Principles and design of energy conversion devices, power and refrigeration cycles. Principles of combustion, chemical equilibrium, one-dimensional gas dynamics. Nozzle design. Continuation of ME 220.

Prerequisite(s): ME 220 and MATH 331

Recent Term(s) Offered: fall 2021

ME 325 Elements of Heat Transfer 4 Hours

Discussion of basic physical laws of heat transfer including steady-state and transient heat flow; one-, two- and three-dimensional heat conduction in solids, free or forced convection in fluids, radiation and phase change. Analysis of heat exchangers.

Prerequisite(s): ME 330

Corequisite(s): ME 333

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ME 330 Fluid Mechanics 3 Hours

An introduction of physical laws governing the mechanical behavior of liquids and gasses, with applications of conservation of mass, energy and momentum equations. Topics include fluid statics, internal and external fluid flow, flow measurement, scale modeling and similtude, hydraulic machinery analysis and pipe networks.

Prerequisite(s): ME 220 with a minimum grade of C and MATH 331 and MATH 237

Recent Term(s) Offered: spring 2020; summer 2020; spring 2021; spring 2022

ME 332 Fluid Mechanics Laboratory 1 Hour

An applied laboratory in the modeling, prediction, and measurement of fluid mechanics components and systems, with emphasis on the preparation of engineering reports, uncertainty analysis, and the experimental design plan process. System level experiments include fluid property measurements, pipe flow and turbomachinery characteristics.

Prerequisite(s): MATH 331 and ME 220 with a minimum grade of C and MATH 237 and ME 310

Corequisite(s): ME 330

Course Fee: \$25

Recent Term(s) Offered: spring 2020; summer 2020

ME 333 Thermo-Fluids Laboratory 1 Hour

An applied laboratory in the modeling, prediction, and analysis of thermal fluid systems, with an emphasis on the preparation of engineering reports, uncertainty, and the experimental design process. System level experiments include fluid property measurements, pipe flow, turbomachinery, heat transfer principles and heat exchanger characteristics.

Prerequisite(s): ME 310 and ME 330

Corequisite(s): ME 325

Course Fee: \$25

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

ME 344 Mechanical Design 3 Hours

Fundamentals of design with methods of approximation. Introduction to optimum design considerations. Synthesis and problems on the design of various mechanical elements.

Prerequisite(s): EM 303 with a minimum grade of C and ME 240 with a minimum grade of C

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

ME 347 Mechanical Systems Laboratory 1 Hour

Implementation of fundamental principles and physical laws governing the response of mechanical system components to external forces and constraints. Students will learn how to plan, conduct, and report on a variety of experiments and projects to measure the performance characteristics of mechanical systems.

Prerequisite(s): ME 241 and MATH 331 (may be taken concurrently)

Corequisite(s): ME 310

Course Fee: \$35

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; spring 2022

ME 366 Mechanics for Electrical Engineers 3 Hours

A combined course in statics and dynamics. Topics from statics include vector algebra, distributed and internal forces, trusses, frames, and beams. Topics from dynamics include kinematics/kinetics in various reference systems, work/energy, and impulse/momentum. (This course is not for civil or mechanical engineering majors.)

Prerequisite(s): PHYS 255 and MATH 237 (may be taken concurrently)

Recent Term(s) Offered: None

ME 400 Mechanical Engineering Design 2 Hours

A formal introduction to product development methodologies and project management techniques, building upon experiences in previous design courses. Students will perform team design projects as well as complete the design specifications for their senior capstone project.

Prerequisite(s): ME 300

Recent Term(s) Offered: None

ME 412 Mechanical Engineering Senior Project 3 Hours

Students work in design teams to develop a robust solution to a complex system design problem. Focus will be on the design-build-test of the proposed solution. Students expected to demonstrate all aspects of professional engineering practice.

Prerequisite(s): ME 400 and ME 325 (may be taken concurrently)

Recent Term(s) Offered: None

ME 416 UK-Dynamic Systems Elective 3 Hours

Advanced special topics delivered in the program by UK faculty to acquaint the undergraduate student with significant problems and developments of current interest in the dynamic systems area of mechanical engineering.

Prerequisite(s): EM 313 and MATH 331

Course Fee: \$120

Recent Term(s) Offered: None

ME 494 WKU ME Selected Topics 2 Hours (repeatable max of 6 hrs)

Advanced special topics delivered in the fall semester by WKU faculty to acquaint the undergraduate student with significant problems and developments of current interest in mechanical engineering. Course is repeatable (with different topics) two times. Note: Permission of instructor is required.

Recent Term(s) Offered: None

ME 495 WKU ME Selected Projects 1 Hour (repeatable max of 3 hrs)

An advanced special project course delivered by WKU faculty to allow undergraduate students the opportunity to execute a relevant project of current interest in mechanical engineering. This course accompanies a ME 494 course, and together will satisfy one technical elective requirement. Course is repeatable (with different topics) two times. Note: Permission of instructor is required.

Recent Term(s) Offered: None

ME 496 WKU – ME Selected Topics (Fall) 3 Hours (repeatable max of 9 hrs)

Advanced special topics delivered in the fall semester by WKU faculty to acquaint the undergraduate student with significant problems and developments of current interest in mechanical engineering. Course is repeatable (with different topics) two times. Note: Permission of instructor required.

Recent Term(s) Offered: summer 2020; fall 2020; summer 2021; fall 2021; summer 2022; fall 2022

ME 497 WKU – ME Selected Topics (Spring) 3 Hours (repeatable max of 9 hrs)

Advanced special topics delivered in the spring semester by WKU faculty to acquaint the undergraduate student with significant problems and developments of current interest in mechanical engineering. Course is repeatable (with different topics) two times. Note: Permission of instructor is required.

Recent Term(s) Offered: winter 2020; spring 2020; winter 2021; spring 2021; winter 2022; spring 2022

ME 498 UK – ME Selected Topics (Fall) 3 Hours (repeatable max of 9 hrs)

Advanced special topics delivered in the fall semester by UK faculty to acquaint the undergraduate student with significant problems and developments of current interest in mechanical engineering. Course is repeatable (with different topics) two times. Note: Permission of instructor is required.

Recent Term(s) Offered: None

ME 499 UK – ME Selected Topics (Spring) 3 Hours (repeatable max of 9 hrs)

Advanced special topics delivered in the spring semester by UK faculty to acquaint the undergraduate student with significant problems and developments of current interest in mechanical engineering. Course is repeatable (with different topics) two times. Note: Permission of instructor is required.

Recent Term(s) Offered: None

Meteorology (METR)

METR 121 Meteorology 3 Hours (repeatable max of 3 hrs)

An introduction to the elements of the atmosphere, severe storms, atmospheric environmental issues, the interdependence between human life and the atmosphere, and rudimentary forecasting of basic weather systems. A self-paced laboratory is required. (2 hour lecture; 1 hour lab)

Colonnade/Statewide General Education Code E-NS, E-SL | NS, SL

Course Fee: \$50

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; fall 2022

METR 122 Aviation Meteorology 3 Hours

The emphasis of the course will be on weather elements and their measurements, weather instruments, weather codes needed by aviators, weather effects upon flying, and weather hazards of aviation.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

METR 322 Global Climate Systems 4 Hours

Analyzes the elements of climate and their world distribution with emphasis on the climatic controls and processes; surveys the influences of climates on environment; introduces climatic classification systems and climatological regions of the world. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status and METR 121

Recent Term(s) Offered: fall 2021

METR 324 Weather Analysis and Forecasting 3 Hours

Analysis of the atmosphere using satellite and radar imagery. Weather forecasting techniques using surface and upper air data are also examined. Note: Permission of instructor may be required.

Prerequisite(s): METR 121

Equivalent(s): METR 424

Course Fee: \$50

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

METR 325 Meteorological Instrumentation and Measurement 3 Hours

Introduces the purpose, operation, and application of meteorological instrumentation and the treatment of meteorological measurements.

Prerequisite(s): METR 121

Course Fee: \$50

Recent Term(s) Offered: fall 2020; fall 2022

METR 335 Satellite/Radar Meteorology 3 Hours

An introduction to remote sensing specific to the atmospheric sciences. Specific attention is given to analysis, diagnostic, and prognostic determinations using various satellites, as well as surface and space-based active radar systems. Specific applications focus on synoptic and mesoscale phenomena, including large-scale kinematics and morphology, clouds, derived radar interpretation, precipitating systems, and precipitation measurement.

Prerequisite(s): METR 324

Course Fee: \$50

Recent Term(s) Offered: fall 2021

METR 422 Physical Climatology 3 Hours

Addresses the complexity of climatic processes at various spatial and temporal scales. Budgets of energy, water, and momentum, and soil-plant-atmosphere interactions at the earth's surface are explored from both a theoretical and practical point of view.

Prerequisite(s): METR 324 with a minimum grade of C and MATH 237 with a minimum grade of C

Recent Term(s) Offered: None

METR 424 Severe Weather Analysis and Forecasting 2 Hours

(repeatable max of 4 hrs)

Provides preparatory and debriefing in-class time for METR 425, Field Methods in Severe Weather Analysis and Forecasting. Students will use this in-class time prior to departure to learn about course expectations, travel logistics, and to practice forecasting current events. Students will use this in-class time upon return to debrief the field component, archive all data, and develop applied research projects for future use.

Prerequisite(s): METR 324 and permission of instructor

Corequisite(s): METR 425

Recent Term(s) Offered: None

METR 425 Field Methods in Severe Weather Analysis and Forecasting 4 Hours (repeatable max of 8 hrs)

Provides an intensive, comprehensive field-based weather analysis and forecasting experience that focuses on all forms of severe weather, including tornadoes. Students will travel across the Great Plains collecting and analyzing weather data, predicting severe convective thunderstorms, and formulating logistical plans to document forecast outcomes each day. Students will also have the opportunity for applied learning approaches in leadership, collaborative team-building, and professional aptitude development.

Prerequisite(s): (METR 324 and permission of instructor)

Corequisite(s): METR 424

Recent Term(s) Offered: summer 2021

METR 426 Applied Meteorology / Climatology 3 Hours

This course offers a practical insight into the influence of meteorology and climatology on everyday life. Environmental problems caused by changes in the atmosphere are also examined. Note: Permission of instructor may be required.

Prerequisite(s): METR 121

Recent Term(s) Offered: None

METR 430 Meteorological Computing 3 Hours

Introduction to Python-based skills for meteorological data manipulation, processing, and visualization. Mainstream meteorological data sources and formats (e.g., ASCII, CSV, GRIB, NetCDF) will be involved in weather analysis and map generation.

Prerequisite(s): METR 324 and CS 170

Recent Term(s) Offered: fall 2020; fall 2022

METR 431 Dynamic Meteorology I 3 Hours

Introduction to large-scale dynamics of the Earth's troposphere focusing on fundamental topics, the basic governing equations of motion in the atmosphere, and dry thermodynamics.

Prerequisite(s): METR 324 with a minimum grade of C and MATH 237 with a minimum grade of C

Recent Term(s) Offered: fall 2021

METR 432 Synoptic Meteorology 3 Hours

Addresses the analysis and prediction of large-scale weather systems, such as extra-tropical cyclones, fronts and jet streams through the application of fundamental dynamical concepts of meteorology.

Prerequisite(s): METR 324 with a minimum grade of C and MATH 237 with a minimum grade of C

Course Fee: \$50

Recent Term(s) Offered: fall 2020; fall 2022

METR 433 Dynamic Meteorology II 3 Hours

Analysis of phenomena related to large scale dynamics of the Earth's troposphere including thermodynamics, elementary applications of the basic equations, and circulation and vorticity.

Prerequisite(s): METR 431 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2022

METR 437 Mesoscale Meteorology 3 Hours

Addresses the analysis and prediction of convective and mesoscale phenomena, such as mesoscale convective systems, severe thunderstorms, tornadoes and hurricanes.

Prerequisite(s): METR 432 with a minimum grade of C

Course Fee: \$50

Recent Term(s) Offered: spring 2021

METR 438 Physical Meteorology 3 Hours

Addresses the microscopic processes related to cloud formation, radiative transfer, precipitation processes and dry and moist thermodynamics.

Prerequisite(s): METR 431 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2022

METR 439 Atmospheric Modeling 3 Hours

An introduction to numerical weather and climate modeling techniques and models, with focus on modeling fundamentals, including dynamics, physical parameterizations, grids and resolutions, model structures and components. Includes hands-on experience with designing numerical experiments, configuring and running model simulations, post-processing model outputs, and visualization.

Prerequisite(s): METR 324 with a minimum grade of C and CS 170 with a minimum grade of C

Recent Term(s) Offered: None

METR 460 Climate Teleconnections 3 Hours

Analysis of the climate impacts and physical mechanisms of atmospheric and oceanic teleconnections that commonly affect weather patterns in the northern hemisphere. Note: Permission of instructor may be required.

Prerequisite(s): (METR 322 or METR 324)

Recent Term(s) Offered: spring 2021

METR 475 Selected Topics in Meteorology 1-3 Hours (repeatable max of 12 hrs)

A study of a selected problem under the supervision of a faculty member.

Prerequisite(s): permission of instructor

Recent Term(s) Offered: fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

Middle Grades Education (MGE)

MGE 275 Foundations of Middle Grades Instruction 3 Hours

This course presents the philosophy, development, and curriculum of middle grades education, and through an emphasis on appropriate ethical behavior of teachers. Develops generic teaching skills related to effective teaching. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

Recent Term(s) Offered: None

MGE 385 Middle Grades Teaching Strategies 3 Hours

Emphasizes the demonstration of generic teaching strategies and communication skills related to middle grades education and the integration of content methodologies, including classroom management practices and multicultural awareness through interdisciplinary/cooperative planning. Field experiences in public schools and/or other appropriate settings away from campus are required. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): MGE 275

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MGE 395 Clinical Practices in Middle School Teaching I 6 Hours

This course develops a working knowledge of planning, implementation of instruction, assessment, diversity, and classroom climate for a middle level student population. Clinical experiences are required.

Prerequisite(s): EDU 350 with a minimum grade of C and EDU 360 with a minimum grade of C

Recent Term(s) Offered: spring 2022

MGE 396 Clinical Practices in Middle School Teaching II 1 Hour

This course develops an advanced knowledge of content specific planning, implementation of instruction, assessment, diversity, and classroom climate for a middle level student population. Clinical experiences are required.

Prerequisite(s): MGE 395 with a minimum grade of C

Recent Term(s) Offered: fall 2022

MGE 475 Teaching Language Arts 3 Hours

Develops skills, curriculum, and strategies for teaching English in middle school. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): MGE 275 and PSY 310 and ENG 302 and (ENG 301 and ENG 401) or (ENG 301 and ENG 410) or (ENG 401 and ENG 410) or (ENG 410 and ENG 301) or (ENG 401 and ENG 301) or (ENG 410 and ENG 401)

Equivalent(s): SEC 475

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MGE 477 Teaching Middle Grades Mathematics 3 Hours

Cooperative learning, manipulatives, technology, and problem solving are modeled, discussed, and applied using methods and materials appropriate for middle school students. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites. Note: With departmental approval, students may substitute Math 205 and MATH 206 for MATH 212.

Prerequisite(s): MGE 275 with a minimum grade of C and PSY 310 with a minimum grade of C and MATH 211 and MATH 212

Recent Term(s) Offered: None

MGE 479 Teaching Science 3 Hours

Develops the skills, procedures, and strategies for teaching science in middle school. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): MGE 275 with a minimum grade of C and PSY 310 with a minimum grade of C

Equivalent(s): SEC 479

Recent Term(s) Offered: None

MGE 481 Teaching Social Studies 3 Hours

Develops skills, procedures, and strategies for teaching social studies in middle and secondary schools. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): MGE 275 and PSY 310

Equivalent(s): SEC 481

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MGE 490 Student Teaching 5,10 Hours (repeatable max of 10 hrs)

Supervised assignment in approved school setting. Must complete a minimum of sixteen weeks in one or two placements depending on certification requirements. Students follow the academic calendar of the school district in which they are placed and are responsible for providing their own transportation to assigned site(s). Note: Admission to Teacher Education; admission to student teaching; and completion of all required courses in the major with grades of "C" or higher is required.

Corequisite(s): EDU 489

Course Fee: \$25

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Military Science (MIL)

MIL 101 Introduction to the Army and Mountaineering 2 Hours

Introduction to military mountaineering operations and leadership. Fundamentals of basic rappelling, belaying, rope bridges and application of leadership in practical exercises. Field trips to off-campus locations may be required, and transportation will be provided.

Course Fee: \$20

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MIL 102 Foundations of Army Leadership 2 Hours

Continues the student's education in military and "life skills" lessons in the areas of problem solving, critical thinking, leadership theory, basic first aid, survival skills and group interaction.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MIL 201 Army Leadership and Ethics 3 Hours

Prepares the cadet to become an effective small unit leader. Topics include leadership doctrine, ethics, communications, first aid and land navigation. Note: PMS permission may be required.

Prerequisite(s): MIL 101 and MIL 102

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MIL 202 Team Building and Army Doctrine 3 Hours

Introduces cadets to military doctrine and tactics, values and ethics, and officership. The latter includes extensive work in military oral and written communication skills as well as the role of the United States Army from Vietnam to present day. Note: PMS permission may be required.

Prerequisite(s): MIL 101 and MIL 102 and MIL 201

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MIL 209 Introduction to Military Life 1 Hour

A basic introduction to the Army standards and procedures for students who plan to attend the United States Army ROTC Leader's Training Course, Ft. Knox, KY. Note: Permission of the PMS.

Recent Term(s) Offered: None

MIL 210 Military Science Practicum (Leader's Training Course) 6 Hours

Introduces military science in a comprehensive course designed to be taken in lieu of MIL 101, MIL 102, MIL 201, and MIL 202 for students who were unable to take these courses. The course is held at Fort Knox, KY. during the summer and emphasizes practical application of military skills and development of leadership abilities. Students are provided room and board and paid approximately \$800 for attending. Prior to enrollment in this course, the student must meet academic and physical standards established by the Army. To receive credit for this course, at no cost, see the Professor of Military Science.

Recent Term(s) Offered: summer 2021; summer 2022

MIL 301 Army Training Management and Warfighting Functions 3 Hours

Principles and techniques of leadership and management including leadership techniques and training, introduction to basic military weapons, and ethics and professionalism. Note: Permission of the PMS required.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MIL 302 Applied Tactical Army Leadership 4 Hours (repeatable max of 4 hrs)

Principles and fundamentals of small unit tactics and communications with emphasis on leadership techniques for controlling and employment of small units. Includes communication, map reading, and troop leading procedures. Note: Permission of the PMS required.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MIL 401 Professional Leadership Skills 3 Hours

Focuses on military leadership and management principles. Discussion and practical exercises in leadership principles and traits, organizational leadership, counseling techniques, management, delegation and control. Note: Permission of the PMS required.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MIL 402 Role of the Army Officer 4 Hours

The final course of the advanced program focuses on Army combat operations, logistics, administration, readiness, military justice, leadership, management, and preparation for commissioning. Note: Permission of the PMS required.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MIL 410 Military Science Practicum (Leadership Development and Assessment Course) 6 Hours

Develops leadership through an intensive five-week summer field course of rotating leader/command roles, practical experience in problem analysis, decision making and troop leading while providing in-depth coverage of technical subjects. Successful completion of this course is required. Prior to enrollment, the student must meet the physical and academic standards established by the Army. Note: Permission of the PMS required

Recent Term(s) Offered: summer 2020; summer 2021; summer 2022

MIL 490 Military Leadership Seminar 1-3 Hours (repeatable max of 6 hrs)

Practical applications of military leadership skills, military bearing and physical fitness are stressed. Course is designed to assist students in the transition to Army officer status and continue their physical conditioning. Field experience on military installations is required (transportation provided). Note: Permission of the PMS required.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Modern Languages (MLNG)

MLNG 100 Language and Culture On-Site 1-3 Hours (repeatable max of 3 hrs)

This course is a survey of non-English language and foreign culture in conjunction with study abroad for students with little or no previous language study. This course will be used in instances where WKU does not offer the language in question. May be repeated for a total of 3 credit hours.

Recent Term(s) Offered: None

MLNG 200 Introduction to Global Literature 3 Hours

Introductory study of global literature through fiction, poetry, and drama. Texts come from a specific national literature, varying each time; all reading will be in English. Requires substantial writing about literature and fulfills the Colonnade Literary Studies requirement. **Colonnade/Statewide General Education Code F-AH | AH**

Prerequisite(s): ENG 100 or ENGL 100C or ENG 101 or ENG 100E or ACT English with a score of 29 or SAT Verbal / Critical Reading with a score of 620

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MLNG 410 Second Language Acquisition 3 Hours

Introduction to principal theories of the acquisition of a second or foreign language. Explores how language learning styles and strategies relate to language acquisition and implications for the classroom. Note: Enrollment in P-12 certification program in French, German or Spanish and successful completion of at least two upper-division courses in the teaching language required.

Recent Term(s) Offered: None

MLNG 420 Multimedia Technologies in Teaching Foreign Languages 3 Hours

Pedagogical and hands-on training for pre-teachers. Students will enroll in a course section for French, German or Spanish. Note: Enrollment in K-12 certification program in French, German or Spanish or permission of instructor and successful completion of at least one upper-division course in the language of teaching certification required.

Recent Term(s) Offered: None

MLNG 474 Teaching Foreign Language 3 Hours

Develops skills, procedures, and strategies for teaching foreign language in middle and secondary schools. Field experience in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): EDU 250 and SPED 330 and SEC 351 and PSY 310

Corequisite(s): SEC 453

Equivalent(s): SEC 474

Recent Term(s) Offered: spring 2021

MLNG 480 Topics in Modern Language Cultures and Pedagogy 1-3 Hours (repeatable max of 6 hrs)

Topics in Modern Language cultures and societies, including literature and the arts, social issues, and current events, as well as aspects of language pedagogy. Students enroll in course sections for the language of their major. Note: Enrollment in K-12 certification program in French, German, or Spanish; successful completion of at least two upper-division courses in the teaching language; senior standing or permission of instructor required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: None

Music (MUS)

MUS 100 Theory I 2 Hours (repeatable max of 3 hrs)

Thorough training in the melodic, harmonic and rhythmic fundamentals of music: triads, intervals, keys, scales, rhythm and meter, voice leading, diatonic triads in root position and inversion.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MUS 101 Theory II 2 Hours

Study of harmonic progression, voice leading, part writing, harmonic cadences, and non-chord tones.

Prerequisite(s): MUS 100 and MUS 110

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MUS 102 Music Theory I for Non-Majors 3 Hours (repeatable max of 9 hrs)

Thorough training in the melodic and rhythmic fundamentals of music: music notation, scales, keys, rhythm and meter, and intervals.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MUS 103 Music Theory II for Non-Majors 3 Hours (repeatable max of 9 hrs)

Thorough training in the harmonic and formal structure of music: intervals, diatonic triads in root position and inversion, harmonic progression, and basic phrase and song structure.

Prerequisite(s): MUS 102 with a minimum grade of C

Recent Term(s) Offered: spring 2022

MUS 110 Aural Theory I 1 Hour (repeatable max of 3 hrs)

Thorough training in rhythmic reading, sight singing, melodic dictation, and harmonic dictation, focusing on diatonic techniques.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MUS 111 Aural Theory II 1 Hour (repeatable max of 3 hrs)

Continuation of melodic and harmonic dictation, rhythmic reading, and sight singing, focusing on diatonic techniques.

Prerequisite(s): MUS 100 and MUS 110

Recent Term(s) Offered: spring 2021; spring 2022

MUS 119 Jazz Appreciation 3 Hours

Survey of jazz from its origins to the present. Includes jazz elements, swing, bop, cool jazz, avant-garde and free jazz, among other topics.

Recent Term(s) Offered: None

MUS 120 Music Appreciation 3 Hours

A survey of music from early to modern times. The course aims to widen the musical horizons and receptivities of the general college student and to make him a more discriminating listener. Concerts, radio, and television programs are assigned for special listening. No formal background is required. **Colonnade/Statewide General Education Code E-AH | AH**

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

MUS 150 Applied Music Secondary 1 Hour (repeatable max of 4 hrs)

1-hour, Secondary lessons for non-majors.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MUS 152 Diction I for Voice Majors 1 Hour

Review of the use of the International Phonetic Alphabet and its application to the German and Italian languages using appropriate vocal literature.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MUS 153 Applied Music Principal 2 Hours (repeatable max of 10 hrs)

Principal lessons for music majors.

Corequisite(s): MUS 155

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MUS 155 Performance Attendance 0 Hours

Attendance at 14 recitals and/or concerts within one semester from a music department approved list.

Restriction(s): Enrollment is limited to students in Music (Liberal Arts) (583) or Music (593)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MUS 160 Group Piano I 1 Hour

A course for beginners. Scales and keyboard skills.

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

MUS 161 Group Piano II 1 Hour

A course for beginners. Scales and keyboard skills.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MUS 162 Group Voice 1 Hour (repeatable max of 2 hrs)

An exploratory course in the theory and practice of the development of the singing voice. Natural breathing, correct tone production.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MUS 166 Group Guitar I 1 Hour

Group instruction in the basic elements of guitar and the rudiments of music to include time signatures, notation, transposition, bar chord techniques, scales and triads.

Recent Term(s) Offered: fall 2020; fall 2021

MUS 170 Group Piano for Non-Majors 1 Hour

Training in basic piano skills: learning to read and play music from the grand staff, fundamental technique (scales, chords, and arpeggios), harmonization, and repertoire.

Recent Term(s) Offered: fall 2021; spring 2022; fall 2022

MUS 175 University Experience-Music Majors 2 Hours

Prerequisite(s): For beginning college freshmen music or transfer students with fewer than 24 semester hours of credit. Transition to university experience. Topics include study skills, critical thinking skills, library education, exploration of majors and careers, degree programs, campus resources and personal development. Special attention is given to music degree requirements, careers and resources in the field.

Restriction(s): Students with a semester level of Junior, Sophomore or Senior may **not** enroll.

Recent Term(s) Offered: None

MUS 200 Theory III 2 Hours (repeatable max of 3 hrs)

Study of diatonic seventh chords, phrase and period structure, secondary dominant and leading tone chords, modulation, mode mixture, Neapolitan chords, and augmented sixth chords.

Prerequisite(s): MUS 101 and MUS 111

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MUS 201 Theory IV 2 Hours (repeatable max of 3 hrs)

Study of enharmonic modulation, extended and altered dominant chords, late nineteenth-century techniques, twentieth-century techniques, and post-tonal techniques.

Prerequisite(s): MUS 200 and MUS 210

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MUS 203 Music Technology 2 Hours

This course provides the student with a comprehensive overview of the current technological advances present in the music workplace.

Recent Term(s) Offered: None

MUS 206 Composition 2 Hours

Study and assignment will depend on previous background and creative ability. Note: Permission of instructor.

Prerequisite(s): MUS 101

Recent Term(s) Offered: spring 2021

MUS 210 Aural Theory III 1 Hour (repeatable max of 3 hrs)

Continuation of melodic and harmonic dictation, rhythmic reading, and sight singing, with a focus on more complex rhythms and chromaticism.

Prerequisite(s): MUS 101 with a minimum grade of C and MUS 111 with a minimum grade of C

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MUS 211 Aural Theory IV 1 Hour (repeatable max of 3 hrs)

Prerequisite(s): MUS 200 with a minimum grade of C and MUS 210 with a minimum grade of C

Recent Term(s) Offered: spring 2021; spring 2022

MUS 214 String Techniques 1 Hour

This course is required for music education majors. It is designed to acquaint students with the techniques and pedagogy of the violin, viola, cello and string bass.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MUS 215 Brass Techniques 1 Hour

This course is required for music education majors. It is designed to acquaint students with the techniques and pedagogy of the high and low brass families.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MUS 252 Diction II for Voice Majors 1 Hour

Review of the use of the International Phonetic Alphabet and its application to the French and English languages using appropriate vocal literature.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MUS 260 Group Piano III 1 Hour

Keyboard skills to include cadential progressions in all keys, harmonization of diatonic melodies in simple keys, playing by ear, sight reading, scales and development of techniques adequate to a moderately easy Clementi Sonata.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MUS 261 Group Piano IV 1 Hour

Keyboard skills to include cadential progressions in all keys, harmonization of diatonic melodies in simple keys, playing by ear, sight reading, scales and development of techniques adequate to a moderately easy Clementi Sonata.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MUS 266 Group Guitar II 1 Hour

Continuation of development of basic skills learned in Group Guitar I, with addition of more difficult repertoire. Classical, Pop, Jazz, and Folk Styles included. Note: Permission of instructor.

Prerequisite(s): MUS 166

Recent Term(s) Offered: None

MUS 277 World Music 3 Hours

A cultural and functional analysis of traditional musical genres developed in world areas: Africa, America, Asia, Europe and Oceania. Emphasis will be placed on musical styles, performance practices, aesthetics, and instruments. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; summer 2020; winter 2021; spring 2021; summer 2021; winter 2022; spring 2022; summer 2022; fall 2022

MUS 304 Form and Analysis 2 Hours

The study of the basic formal structures of tonal and twentieth century music through score study and compositional exercises.

Prerequisite(s): MUS 201

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MUS 310 Pedagogy for Performance Majors 3 Hours

A required course for bachelor of music (B.M.) in performance majors which centers on teaching in their particular area of performance and provides a knowledge of basic repertoire.

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; spring 2022; summer 2022; fall 2022

MUS 311 Music for the Elementary Teacher 3 Hours

A required course for primary elementary education majors which centers on music as an aid in instruction of standard curricular subjects and techniques which classroom teachers can utilize to further develop the natural rote and rhythmic abilities of the young child.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MUS 312 Teaching Music in the Primary Grades 3 Hours

A required course for music education majors which consists of developmentally appropriate techniques, methods and materials for pre-primary and primary learners. Observation and field experiences will be required.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MUS 314 Comprehensive Arts Education for the Elementary Teacher 3 Hours

Appropriate concepts, methods, and materials for weaving the arts (dance, drama, music, visual art) through the elementary school curriculum. Field experience in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; winter 2021; spring 2021; fall 2021; winter 2022; spring 2022; fall 2022

MUS 315 Clarinet and Saxophone Techniques 1 Hour

This course is required for instrumental music education majors. It is designed to acquaint students with the techniques and pedagogy of the clarinet and saxophone.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MUS 316 Flute and Double Reed Techniques 1 Hour

This course is required for instrumental music education majors. It is designed to acquaint students with the techniques and pedagogy of the flute, oboe, English horn and bassoon.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MUS 317 Conducting I 2 Hours

Patterns for each meter, uses of the left hand, cueing posture, attacks, releases, terminology and score study.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MUS 318 Conducting II 2 Hours

Continuation of Conducting I. Score reading.

Prerequisite(s): MUS 317

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MUS 319 Percussion Techniques 1 Hour

This course is required for music education majors. It is designed to acquaint students with the techniques and pedagogy of the percussion instruments.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MUS 320 Rock and Roll: Music for a New Generation 3 Hours

A study of the development of Rock and Roll as a musical style from the mid-1950's to 1990 with an emphasis on listening and musical characteristics. Includes notable artists/bands, innovations and trends, cultural and social impacts, and economic/political influences.

Colonnade/Statewide General Education Code K-SC

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

MUS 321 Country Music 3 Hours

A study of the country music genre in the United States from the 1920s to the present, emphasizing performers, instrumentation, and lyric content, as well as cultural, social, economic, and political impacts in specific geographic regions. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; spring 2021; winter 2022; spring 2022

MUS 322 The Blues-Music from the Delta to Chicago 3 Hours

A study of the Blues as an American music genre with emphasis on the performers, musical styles, instrumentation, and lyric content, as well as the development of cultural, social, economic, and political impact.

Colonnade/Statewide General Education Code K-SC

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: winter 2020; summer 2020; fall 2020; winter 2021; summer 2021; fall 2021; summer 2022; fall 2022

MUS 323 Music and Drama: From Opera to Musical Theatre and Film 3 Hours

How music intensifies dramatic situations in opera, the musical, and film. Will include considerations of influences from earlier music, literature, tastes of the audience, and social conditions. **Colonnade/Statewide General Education Code K-SC**

General Education Code K-SC

Prerequisite(s): MUS 120 and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; spring 2022

MUS 325 Music Entrepreneurism 3 Hours (repeatable max of 9 hrs)

The practical skills necessary for successfully navigating the business aspects of a professional musician in the 21st century. Topics range from creating resumes and cover letters to establishing a private teaching studio and booking concerts.

Prerequisite(s): MUS 201

Recent Term(s) Offered: spring 2020

MUS 326 The History of Music I 3 Hours

Music history from early times through Late Baroque. Assigned readings and recorded illustrations. **Colonnade/Statewide General Education Code AH**

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MUS 327 The History of Music II 3 Hours

Music history from Classical through present. Assigned readings and recorded illustrations. **Colonnade/Statewide General Education Code K-SC | AH**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status and MUS 120

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022; summer 2022

MUS 328 The History of Music III 3 Hours

Music history from Wagner through the present day. Assigned readings and recorded illustrations.

Recent Term(s) Offered: None

MUS 330 Introduction to Music as Therapy 3 Hours

An introduction to the history of music therapy and to therapeutic treatment using music as the medium for intervention. Students will study the history, philosophy, and principles of music therapy and its complementary roles in improving the quality of life of clients receiving treatment for physical and mental health concerns, as well as intellectual disabilities.

Recent Term(s) Offered: spring 2022

MUS 338 DIR Independent Study 1-3 Hours

Supervised, guided individual study in a specialty area.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

MUS 340 Choral Union 1 Hour

Performing ensembles are open to the entire campus community. Most ensembles require an audition prior to membership, and there are varying levels of performance difficulty. Some of these ensembles are required for music degrees.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MUS 343 Guitar Ensemble 1 Hour

Performing ensembles are open to the entire campus community. Most ensembles require an audition prior to membership, and there are varying levels of performance difficulty. Some of these ensembles are required for music degrees. Note: Permission of instructor required.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MUS 344 University Orchestra 1 Hour

Performing ensembles are open to the entire campus community. Most ensembles require an audition prior to membership, and there are varying levels of performance difficulty. Some of these ensembles are required for music degrees.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MUS 347 Marching Band 1,2 Hour

Performing ensembles are open to the entire campus community. Most ensembles require an audition prior to membership, and there are varying levels of performance difficulty. Some of these ensembles are required for music degrees.

Course Fee: \$50

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MUS 348 Band 1 Hour

Performing ensembles are open to the entire campus community. Most ensembles require an audition prior to membership, and there are varying levels of performance difficulty. Some of these ensembles are required for music degrees.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MUS 350 Applied Music Secondary 1 Hour (repeatable max of 4 hrs)

1-hour, Secondary lessons for non-music majors.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MUS 353 Applied Music Principal 2 Hours (repeatable max of 10 hrs)
Principal lessons for music majors.

Corequisite(s): MUS 155

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MUS 357 Applied Music Major 3 Hours (repeatable max of 9 hrs)
Principal lessons for music majors.

Corequisite(s): MUS 155

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MUS 360 Accompanying 1 Hour (repeatable max of 4 hrs)
Accompanying skills to include exercises appropriate for choral/vocal warm-up, instrumental and vocal solo accompaniments, choral accompaniments, and choral part-reading.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MUS 370 Chamber Choir 1 Hour

Performing ensembles are open to the entire campus community. Most ensembles require an audition prior to membership, and there are varying levels of performance difficulty. Some of these ensembles are required for music degrees.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MUS 371 Jazz Ensemble 1 Hour

Performing ensembles are open to the entire campus community. Most ensembles require an audition prior to membership, and there are varying levels of performance difficulty. Some of these ensembles are required for music degrees.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MUS 374 Opera Theatre 1 Hour

Performing ensembles are open to the entire campus community. Most ensembles require an audition prior to membership, and there are varying levels of performance difficulty. Some of these ensembles are required for music degrees.

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022

MUS 377 Pep Band 1 Hour

Performing ensembles are open to the entire campus community. Most ensembles require an audition prior to membership, and there are varying levels of performance difficulty.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MUS 378 Campus Community Band 1 Hour

Performing ensembles are open to the entire campus community. Most ensembles require an audition prior to membership, and there are varying levels of performance difficulty.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MUS 379 Chamber Music 1 Hour

This course presupposes that the student has attained considerable ability as a performer. Preparation and performance of all types of chamber music literature. Credits will be given for as many semesters as taken. (Subtitles: Accompanying, Brass Ensemble, Early Music Ensemble, Double Reed Ensemble, Guitar Ensemble, Jazz Improvisation Ensemble, Percussion Ensemble, String Ensemble, Vocal Ensemble, Woodwind Ensemble, Orchestra Strings)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

MUS 400 Advanced Music Theory 3 Hours (repeatable max of 6 hrs)

A variable topic course that may be repeated once for credit. Typical term sub-titles are as follows: Graphic Analysis, Post-Tonal Analysis, Counterpoint.

Prerequisite(s): MUS 201 and MUS 211

Recent Term(s) Offered: spring 2022

MUS 405 Choral Arranging 3 Hours

A study of the principles of part-writing, arranging, and editing for various voice groupings. Practical application for school and church choruses will be stressed.

Prerequisite(s): MUS 201

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MUS 407 Orchestration and Band Arranging 3 Hours

A study of the characteristics and techniques of the various orchestra and band instruments. Practical experience in scoring for full symphonic orchestra and symphonic band. Performances given for selected orchestrations and arrangements.

Prerequisite(s): MUS 201

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MUS 412 Teaching Music in the Middle School 3 Hours

A required course for music education majors which consists of developmentally appropriate techniques, methods and materials for learners ages 9-14. Observation and field experiences will be required.

Prerequisite(s): MUS 312

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MUS 414 Choral Materials 2 Hours

A practical survey for the school and church musician of choral music from the fifteenth- through the twentieth-centuries. Course emphasis will be on the evolution of secular and sacred choral forms and performance practices, which would be accessible for most choral programs.

Prerequisite(s): MUS 415

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MUS 415 Choral Methods 3 Hours

A study of the techniques of choral development from rehearsal procedures to performance. Emphasis is also placed on cultivating choral musicianship, program planning, and organizational development.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MUS 416 Instrumental Methods 3 Hours

Organization of the school instrumental program; problems, materials and program planning for the school orchestra and band from the elementary grades through high school; special problems in connection with concerts, festivals, materials and administrative details.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

MUS 417 Marching Band Techniques 2 Hours

Systems, mechanics, and charting the modern exhibition marching band, including visual support units.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

MUS 430 Music Literature 3 Hours (repeatable max of 6 hrs)

A variable topic course which may be taken more than once for credit. Potential term sub-titles include: instrument specific repertoire, American Music, Band Literature, Chamber Music, Opera Literature, or Symphonic Literature.

Recent Term(s) Offered: spring 2021; summer 2022

MUS 457 Applied Music Major 3 Hours (repeatable max of 6 hrs)

Principal lessons for music majors.

Corequisite(s): MUS 155

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Nursing (NURS)

NURS 102 Introduction to Professional Nursing 3 Hours

This course is required for students seeking entry into the nursing major. Course includes history, trends, professional roles and responsibilities, educational options, and licensure issues. Taking this course does not guarantee admission into nursing or count towards hours in the nursing major. **Colonnade/Statewide General Education Code E-SB | SB**

Prerequisite(s): (ENG 100 (may be taken concurrently) or ENGL 100C (may be taken concurrently))

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

NURS 317 Special Topics / Independent Study 1-3 Hours (repeatable max of 6 hrs)

A variable-credit course which permits the student to select and explore a topic of interest in nursing. With faculty guidance, the student is expected to design, implement and evaluate objectives based on identified learning needs.

Recent Term(s) Offered: winter 2020; summer 2022

NURS 320 Women's Health Issues Through the Life Cycle 3 Hours

Through lecture and class discussion, health issues confronting women throughout the life cycle will be explored.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

NURS 324 Pathophysiology for Nursing 3 Hours

Explores the basic pathophysiology of selected disease processes that alter the health of individuals across the lifespan. Focuses on nursing assessment and identification of presenting signs and symptoms and manifestation of the selected disease processes.

Prerequisite(s): BIOL 131 with a minimum grade of C and BIOL 231 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Nursing (Pre-Nursing) (586P)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

NURS 329 Concepts in Pharmacology I 2 Hours

Explores introductory principles of pharmacology, drug prototypes used to treat alternations in health for medical, surgical, and mental health patients, and the nurse's role in administering drugs to patients.

Prerequisite(s): NURS 333 and NURS 334 and NURS 335 and NURS 336 and NURS 337

Corequisite(s): NURS 342, NURS 343, NURS 341, NURS 344, NURS 413

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)

Course Fee: \$25

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

NURS 333 Fundamentals of Nursing 3 Hours

Fundamental concepts and principles that form the basis for professional nursing practice.

Corequisite(s): NURS 336, NURS 337, NURS 335, NURS 334

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

NURS 334 Clinical: Fundamentals of Nursing 2 Hours

Application of fundamental concepts and principles, performance of psychomotor skills and techniques that form the basis for professional nursing practice. Students are responsible for arranging own transportation to assigned sites.

Corequisite(s): NURS 333, NURS 335, NURS 337, NURS 336

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)

Course Fee: \$80

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

NURS 335 Health Assessment 3 Hours

Development of physical assessment skills to determine health status of clients across the life span.

Corequisite(s): NURS 334, NURS 337, NURS 336, NURS 333

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

NURS 336 Health Assessment Lab 1 Hour

Application of assessment concepts, principles, psychomotor skills, and techniques that form the basis for professional nursing assessment.

Corequisite(s): NURS 335, NURS 334, NURS 333, NURS 337

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)

Course Fee: \$15

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

NURS 337 Health Promotion and Disease Prevention 3 Hours

Explores professional nursing interventions and standards to promote the health of individuals, families, and groups from diverse cultures across the lifespan. Includes discussion of health policies at the local, regional, and national levels.

Corequisite(s): NURS 333, NURS 336, NURS 335, NURS 334

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

NURS 338 Transcultural Nursing: Concepts and Application 3 Hours

Explores the meaning of health and illness for diverse populations.

Explores transcultural issues related to organizational readiness, such as leadership, data collection and use, and workforce issues. Additional issues may include the environment of care, rights and responsibilities of the individual and patient, and family and community engagement.

Prerequisite(s): NURS 324 and NURS 333 and NURS 334 and NURS 335 and NURS 336 and NURS 337

Corequisite(s): NURS 342, NURS 329, NURS 341, NURS 343, NURS 344

Recent Term(s) Offered: None

NURS 341 Medical-Surgical Nursing I 3 Hours

Basic medical surgical nursing concepts to provide holistic care to diverse individuals and families experiencing alternations in health.

Prerequisite(s): NURS 333 and NURS 334 and NURS 335 and NURS 336 and NURS 337

Corequisite(s): NURS 329, NURS 342, NURS 343, NURS 413, NURS 344

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

NURS 342 Clinical: Medical Surgical Nursing I 3 Hours

Application of basic medical surgical nursing concepts to provide holistic care to diverse individuals and families experiencing alternation in health. Students are responsible for arranging own transportation to assigned sites.

Prerequisite(s): NURS 337 and NURS 333 and NURS 334 and NURS 335 and NURS 336

Corequisite(s): NURS 413, NURS 344, NURS 343, NURS 329, NURS 341

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)

Course Fee: \$65

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

NURS 343 Mental Health Nursing 3 Hours

Integration of mental health concepts to provide care to clients experiencing alterations in mental health.

Prerequisite(s): NURS 337 and NURS 333 and NURS 334 and NURS 335 and NURS 336

Corequisite(s): NURS 344, NURS 342, NURS 341, NURS 329, NURS 413

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

NURS 344 Clinical: Mental Health Nursing 1 Hour

Application of mental health concepts to provide nursing care to clients experiencing alterations in mental health. Students are responsible for arranging own transportation to assigned sites.

Prerequisite(s): NURS 337 and NURS 333 and NURS 334 and NURS 335 and NURS 336

Corequisite(s): NURS 343, NURS 342, NURS 341, NURS 329, NURS 413

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

NURS 345 Agricultural Health Nursing 3 Hours

Explores issues influencing the health of agricultural workers with emphasis on the role of the nurse in recognizing and preventing agricultural illnesses and injuries along with strategies to promote the health of agricultural workers and their families. Note: Completion of first semester pre-licensure BSN nursing program required.

Recent Term(s) Offered: None

NURS 369 Cooperative Education in Nursing 3 Hours

Practical experience in a supervised work situation with a cooperating hospital, governmental or other health care agency, emphasizing application of knowledge and skills in selected areas of nursing. Note: Completion of all Junior level nursing courses required for course enrollment.

Recent Term(s) Offered: None

NURS 403 Nursing Leadership, Management, and Professional Issues 4 Hours

Examines issues and trends in professional nursing practice, and theoretical foundations of nursing management and leadership. Note: A nursing elective is required to be taken concurrently.

Prerequisite(s): NURS 413 and NURS 429 and NURS 432 and NURS 433 and NURS 444 and NURS 445

Corequisite(s): NURS 422, NURS 421, NURS 448, NURS 449

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)

Course Fee: \$25

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

NURS 411 School Health Nursing 3 Hours

Provides theory and skills to assist the registered nurse in fulfilling the multiple roles of the school nurse in K-12 settings. Clinical practicum may be completed in school of employment. Note: Admission to school nurse certification program required for course enrollment.

Recent Term(s) Offered: None

NURS 413 Nursing Research and Evidence-Based Practice 3 Hours

A study of the research process. Emphasis on critical analysis of selected research in nursing, evaluation of research findings, and application to evidence-based nursing practice.

Prerequisite(s): NURS 333 and NURS 337 and NURS 334 and NURS 335 and NURS 336

Corequisite(s): NURS 341, NURS 342, NURS 329, NURS 344, NURS 343

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

NURS 415 Complementary Health Care 3 Hours

Selected holistic modes of healing will be explored. Focus will be on history, research findings, theoretical basis and legal implications.

Colonnade/Statewide General Education Code K-SC

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

NURS 421 High Acuity Nursing 3 Hours

Application and integration of advanced medical-surgical nursing concepts to provide holistic nursing care to the high-acuity patient.

Prerequisite(s): NURS 429 and NURS 413 and NURS 432 and NURS 433 and NURS 444 and NURS 445

Corequisite(s): NURS 422, NURS 403, NURS 449, NURS 448

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

NURS 422 Senior Practicum 4 Hours

Application and integration of previous knowledge and skills in the delivery of nursing care to multiple clients in a variety of health care settings.

Prerequisite(s): NURS 429 and NURS 413 and NURS 432 and NURS 433 and NURS 444 and NURS 445

Corequisite(s): NURS 403, NURS 421, NURS 448, NURS 449

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)

Course Fee: \$35

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

NURS 424 Cardiac and Hemodynamic Monitoring 3 Hours

Interpretation of basic cardiac dysrhythmias and hemodynamic waveforms, application of principles and techniques, and recommended interventions. Note: Completion of all junior level nursing courses required.

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586) or Nursing (RN to BSN) (596)

Recent Term(s) Offered: None

NURS 429 Concepts in Pharmacology II 2 Hours

Explores advanced principles of pharmacology, drug prototypes used to treat alterations in health for women, infants, children and high acuity patients, and the nurse's role in administering drugs to patients.

Prerequisite(s): NURS 329 and NURS 413 and NURS 341 and NURS 342 and NURS 343 and NURS 344

Corequisite(s): NURS 445, NURS 444, NURS 433, NURS 432

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)

Course Fee: \$25

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

NURS 432 Medical-Surgical Nursing II 3 Hours

Advanced medical-surgical nursing concepts to provide holistic care to diverse individuals, families, and groups experiencing complex alterations in health.

Prerequisite(s): NURS 329 and NURS 413 and NURS 341 and NURS 342 and NURS 343 and NURS 344

Corequisite(s): NURS 444, NURS 445, NURS 429, NURS 433

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

NURS 433 Clinical: Medical-Surgical Nursing II 3 Hours

Application and integration of advanced medical-surgical nursing concepts to provide holistic care to diverse individuals, families, and groups experiencing complex alterations in health. Students are responsible for arranging their own transportation to assigned sites.

Prerequisite(s): NURS 329 and NURS 413 and NURS 341 and NURS 342 and NURS 343 and NURS 344

Corequisite(s): NURS 444, NURS 432, NURS 429, NURS 445

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

NURS 444 Maternal Child Nursing 4 Hours

Application and integration of nursing concepts to provide holistic care to diverse women, infants, and children experiencing alterations in health.

Prerequisite(s): NURS 329 and NURS 413 and NURS 341 and NURS 342 and NURS 343 and NURS 344

Corequisite(s): NURS 445, NURS 433, NURS 432, NURS 429

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

NURS 445 Clinical: Maternal Child Nursing 2 Hours

Application and integration of concepts in acute care and community settings to provide holistic nursing care to diverse women, infants, and children experiencing alterations in health. Students are responsible for arranging own transportation to assigned sites.

Prerequisite(s): NURS 329 and NURS 413 and NURS 341 and NURS 342 and NURS 343 and NURS 344

Corequisite(s): NURS 433, NURS 444, NURS 429, NURS 432

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

NURS 448 Community Health Nursing 3 Hours

Theories and concepts from nursing and public health address multidimensional health needs of diverse populations: role of the nurse in healthcare of society. Note: A nursing elective must be taken concurrently with this course.

Prerequisite(s): NURS 413 and NURS 429 and NURS 432 and NURS 433 and NURS 444 and NURS 445

Corequisite(s): NURS 449, NURS 422, NURS 403, NURS 421

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

NURS 449 Clinical: Community Health Nursing 2 Hours

Application of public health concepts to address multidimensional health needs of diverse populations: role of the nurse in healthcare of society. Students are responsible for arranging own transportation to assigned sites. Note: A nursing elective must be taken concurrently with this course.

Prerequisite(s): NURS 413 and NURS 429 and NURS 432 and NURS 433 and NURS 444 and NURS 445

Corequisite(s): NURS 403, NURS 421, NURS 422, NURS 448

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)

Course Fee: \$30

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

NURS 451 Gerontological Nursing 3 Hours

This course focuses on the nursing care of older adults. Emphasis is placed on theories of aging, pathophysiological processes, and normal variations specific to the aging population, and use of the nursing process to enhance positive outcomes. Note: Permission of instructor may be required.

Prerequisite(s): NURS 300

Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586) or Nursing (RN to BSN) (596)

Recent Term(s) Offered: None

NURS 492 Faith Community Nursing 3 Hours

Builds upon practice of community health nursing to develop skills needed to provide nursing care for individuals and groups in faith communities. Note: Permission of instructor may be required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Students cannot enroll who are in Nursing (Officially Admitted) (586)

Recent Term(s) Offered: None

Nursing (So Campus) (NUR)

NUR 104 Calculations for Nursing 1 Hour

An introduction to medication dosage calculations, symbols, abbreviations, unit dosing, and system equivalent conversion operations. Emphasis of course is on medication problems involving metric and household measurement conversion necessary for medication administration in nursing.

Restriction(s): Enrollment is limited to students in Nursing (273)

Recent Term(s) Offered: None

NUR 105 Fundamentals of Nursing 6 Hours

Introduces fundamental nursing concepts and principles utilizing basic human needs, developmental theory, nursing process, and evidence-based interventions to promote and maintain health for selected populations.

Restriction(s): Enrollment is limited to students in Nursing (273)

Recent Term(s) Offered: None

NUR 106 Fundamentals of Nursing Clinical 1 Hour

Application of fundamental nursing concepts, principles, and skills.

Restriction(s): Enrollment is limited to students in Nursing (273)

Recent Term(s) Offered: None

NUR 150 LPN to RN Transition 1 Hour

Concepts required to transition from the licensed practical nurse to the registered nurse role.

Prerequisite(s): (PSY 220 (may be taken concurrently) or PSYS 220 (may be taken concurrently)) and BIOL 131 (may be taken concurrently) with a minimum grade of C

Restriction(s): Enrollment is limited to students in Nursing (273)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

NUR 155 Medical-Surgical Nursing I 6 Hours

Medical-surgical concepts utilizing basic human needs, developmental theory, nursing process, and evidence-based interventions to promote and maintain health for selected populations.

Prerequisite(s): NUR 150 (may be taken concurrently) with a minimum grade of C and BIOL 131 with a minimum grade of C and (PSY 220 or PSYS 220) and BIOL 207 (may be taken concurrently) with a minimum grade of C

Restriction(s): Enrollment is limited to students in Nursing (273)

Course Fee: \$128

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

NUR 156 Medical-Surgical Nursing I Clinical 2 Hours

Application of medical-surgical nursing concepts, principles, and skills.

Prerequisite(s): NUR 150 (may be taken concurrently) with a minimum grade of C and BIOL 131 with a minimum grade of C and (PSY 220 or PSYS 220) and BIOL 207 (may be taken concurrently) with a minimum grade of C and NUR 155 (may be taken concurrently) with a minimum grade of C

Restriction(s): Enrollment is limited to students in Nursing (273)

Recent Term(s) Offered: None

NUR 157 Medical-Surgical Nursing I Skills Lab 1 Hour

Application of medical-surgical nursing concepts, principles and skills.

Prerequisite(s): NUR 150 with a minimum grade of C and BIOL 131 with a minimum grade of C and (PSY 220 or PSYS 220) and NUR 155 (may be taken concurrently) with a minimum grade of C and BIOL 207 (may be taken concurrently) with a minimum grade of C

Restriction(s): Enrollment is limited to students in Nursing (273)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

NUR 165 Mental Health Nursing 3 Hours

Includes mental health nursing concepts utilizing basic human needs, developmental theory, nursing process and evidence-based interventions to promote and maintain health for selected populations.

Prerequisite(s): NUR 150 with a minimum grade of C and BIOL 131 with a minimum grade of C and (PSY 220 or PSYS 220) and BIOL 207 (may be taken concurrently) with a minimum grade of C

Restriction(s): Enrollment is limited to students in Nursing (273)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

NUR 166 Mental Health Nursing Clinical 1 Hour

Application of mental health nursing concepts, principles, and skills.

Prerequisite(s): NUR 150 with a minimum grade of C and BIOL 131 with a minimum grade of C and (PSY 220 or PSYS 220) and NUR 165 (may be taken concurrently) with a minimum grade of C and BIOL 207 (may be taken concurrently) with a minimum grade of C

Restriction(s): Enrollment is limited to students in Nursing (273)

Recent Term(s) Offered: None

NUR 208 Medical-Surgical Nursing II 5 Hours

Expansion on previous medical-surgical concepts utilizing basic human needs, developmental theory, nursing process, and evidence-based interventions to promote and maintain health for selected populations.

Prerequisite(s): NUR 155 with a minimum grade of C and NUR 156 with a minimum grade of P and NUR 157 with a minimum grade of P and NUR 165 with a minimum grade of C and NUR 166 with a minimum grade of P and BIOL 207 with a minimum grade of C and (ENG 100 (may be taken concurrently) or ENGL 100C (may be taken concurrently))

Restriction(s): Enrollment is limited to students in Nursing (273)

Course Fee: \$128

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

NUR 209 Medical-Surgical Nursing IIClinical 3 Hours

Application of medical-surgical nursing concepts, principles and skills.

Prerequisite(s): NUR 155 with a minimum grade of C and NUR 156 with a minimum grade of P and NUR 157 with a minimum grade of P and NUR 165 with a minimum grade of C and NUR 166 with a minimum grade of P and BIOL 207 with a minimum grade of C and NUR 208 (may be taken concurrently) with a minimum grade of C and (ENG 100 (may be taken concurrently) or ENGL 100C (may be taken concurrently))

Restriction(s): Enrollment is limited to students in Nursing (273)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

NUR 215 Maternal-Newborn Nursing 2 Hours

Includes maternal-newborn nursing concepts utilizing basic human needs, developmental theory, nursing process and evidence-based interventions to promote and maintain health for selected populations.

Prerequisite(s): NUR 155 with a minimum grade of C and NUR 156 with a minimum grade of P and NUR 157 with a minimum grade of P and NUR 165 with a minimum grade of C and NUR 166 with a minimum grade of P and BIOL 207 with a minimum grade of C and (ENG 100 (may be taken concurrently) or ENGL 100C (may be taken concurrently))

Restriction(s): Enrollment is limited to students in Nursing (273)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

NUR 216 Maternal-Newborn Nursing Clinical 1 Hour

Application of maternal-newborn nursing concepts, principles and skills.

Prerequisite(s): NUR 155 with a minimum grade of C and NUR 156 with a minimum grade of P and NUR 157 with a minimum grade of P and NUR 165 with a minimum grade of C and NUR 166 with a minimum grade of P and BIOL 207 with a minimum grade of C and NUR 215 (may be taken concurrently) with a minimum grade of C and (ENG 100 (may be taken concurrently) or ENGL 100C (may be taken concurrently))

Restriction(s): Enrollment is limited to students in Nursing (273)

Recent Term(s) Offered: None

NUR 254 Pediatric Nursing 2 Hours

Includes pediatric nursing concepts utilizing basic human needs, developmental theory, nursing process and evidence-based interventions to promote and maintain health for selected populations.

Prerequisite(s): NUR 208 with a minimum grade of C and NUR 209 with a minimum grade of P and NUR 215 with a minimum grade of C and NUR 216 with a minimum grade of P and (CS 146 (may be taken concurrently) or MA 109C (may be taken concurrently) or MA 115C (may be taken concurrently) or MA 116C (may be taken concurrently) or MA 117C (may be taken concurrently) or MATH 136 (may be taken concurrently) or MATH 142 (may be taken concurrently) or MATH 183 (may be taken concurrently) or PHIL 215 (may be taken concurrently)) and (ART 100 (may be taken concurrently) or ART 105 (may be taken concurrently) or ART 106 (may be taken concurrently) or DANC 110 (may be taken concurrently) or FILM 201 (may be taken concurrently) or MUS 120 (may be taken concurrently) or PHIL 101 (may be taken concurrently) or PHIL 102 (may be taken concurrently) or PHIL 103 (may be taken concurrently) or POP 201 (may be taken concurrently) or RELS 100 (may be taken concurrently) or RELS 101 (may be taken concurrently) or RELS 102 (may be taken concurrently) or THEA 151 (may be taken concurrently))

Restriction(s): Enrollment is limited to students in Nursing (273)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

NUR 255 Medical Surgical Nursing III 3 Hours

Expansion on previous medical-surgical concepts utilizing basic human needs, developmental theory, nursing process and evidence-based interventions to promote and maintain health for selected populations.

Prerequisite(s): NUR 208 with a minimum grade of C and NUR 209 with a minimum grade of P and NUR 215 with a minimum grade of C and NUR 216 with a minimum grade of P and (CS 146 (may be taken concurrently) or MA 109C (may be taken concurrently) or MA 115C (may be taken concurrently) or MA 116C (may be taken concurrently) or MA 117C (may be taken concurrently) or MATH 136 (may be taken concurrently) or MATH 142 (may be taken concurrently) or MATH 183 (may be taken concurrently) or PHIL 215 (may be taken concurrently)) and (ART 100 (may be taken concurrently) or ART 105 (may be taken concurrently) or ART 106 (may be taken concurrently) or DANC 110 (may be taken concurrently) or FILM 201 (may be taken concurrently) or FLK 276 (may be taken concurrently) or MUS 120 (may be taken concurrently) or PHIL 101 (may be taken concurrently) or PHIL 102 (may be taken concurrently) or PHIL 103 (may be taken concurrently) or POP 201 (may be taken concurrently) or RELS 100 (may be taken concurrently) or RELS 101 (may be taken concurrently) or RELS 102 (may be taken concurrently) or THEA 151 (may be taken concurrently))

Restriction(s): Enrollment is limited to students in Nursing (273)

Course Fee: \$128

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

NUR 257 Nursing Seminar & Practicum 4 Hours

Capstone clinical experience with exploration of issues and policies related to the profession of nursing.

Prerequisite(s): NUR 208 with a minimum grade of C and NUR 209 with a minimum grade of P and NUR 215 with a minimum grade of C and NUR 216 with a minimum grade of P and (CS 146 (may be taken concurrently) or MA 109C (may be taken concurrently) or MA 115C (may be taken concurrently) or MA 116C (may be taken concurrently) or MA 117C (may be taken concurrently) or MATH 136 (may be taken concurrently) or MATH 142 (may be taken concurrently) or MATH 183 (may be taken concurrently) or PHIL 215 (may be taken concurrently)) and (ART 100 (may be taken concurrently) or ART 105 (may be taken concurrently) or ART 106 (may be taken concurrently) or DANC 110 (may be taken concurrently) or FILM 201 (may be taken concurrently) or FLK 276 (may be taken concurrently) or MUS 120 (may be taken concurrently) or PHIL 101 (may be taken concurrently) or PHIL 102 (may be taken concurrently) or PHIL 103 (may be taken concurrently) or POP 201 (may be taken concurrently) or RELS 100 (may be taken concurrently) or RELS 101 (may be taken concurrently) or RELS 102 (may be taken concurrently) or THEA 151 (may be taken concurrently))

Restriction(s): Enrollment is limited to students in Nursing (273)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

Office Systems Tech-So Campus (OST)

OST 220C Word Processing 3 Hours

Application of word and information processing and communication skills to produce quality business and professional documents.

Recent Term(s) Offered: None

Paralegal Studies (PLS)

PLS 200 Legal Ethics 3 Hours

Study, analysis and application of codes of professional responsibility and standards of conduct governing the practice of law in state and federal courts.

Recent Term(s) Offered: fall 2022

PLS 225 Introduction to Law 3 Hours

Introduction to law, its professions and processes.

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; fall 2022

PLS 250 Legal Research and Writing I 3 Hours

The sources and techniques of performing legal research using primary and secondary authorities in a law library and online and drafting legal documents in appropriate format with correct citations.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PLS 280 Contract Law 3 Hours

Academic and practical instruction in the law of contracts, with a focus on contract formation, performance and breach.

Recent Term(s) Offered: None

PLS 282 Tort Law 3 Hours

Academic and practical instruction in the law of torts, including intentional torts, negligence and strict liability to prepare students for law practice focused on assault/battery, personal injury, professional malpractice and/or property loss claims.

Recent Term(s) Offered: None

PLS 283 Property Law 3 Hours

Instruction in basic concepts of property law as well as practical application of the law to title examinations, real estate closing transactions and land disputes.

Recent Term(s) Offered: None

PLS 291 Criminal Law and Procedure 3 Hours

Introduces criminal law and procedure, forms and documents, and all stages of criminal litigation preparation by a paralegal using the systems approach. Emphasizes application of Kentucky law.

Prerequisite(s): PLS 250 (may be taken concurrently)

Recent Term(s) Offered: fall 2022

PLS 294 Administrative Practice and Procedures 3 Hours

Detail laws pertaining to Medicaid, Medicare and related topics, and Kentucky unemployment law. Uses hands-on approach, including mock federal and state administrative hearings.

Prerequisite(s): PLS 250

Recent Term(s) Offered: None

PLS 296 Family Law 3 Hours

This course will involve preparation of various contested and uncontested divorce pleadings to include petition for dissolution of marriage; findings of fact, conclusions of law and decree of dissolution; simple and complex separation agreements; settlement agreements; petitions for temporary custody and change in child support. Preparation of other documents to include petition for adoptions and application for AFDC. In addition, the student will receive instruction regarding skills needed in client interviewing, organization of financial records, answering of interrogatories and request for production of documents and ethical guideline to which a paralegal should adhere.

Recent Term(s) Offered: spring 2022

PLS 324 Women and the Law 3 Hours

An examination of treatment of women in, and by, the U.S. legal profession. Survey of landmark cases that have impact specifically on women's legal rights. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: summer 2020; spring 2021; summer 2021; spring 2022; summer 2022

PLS 350 EVIDENCE 3 Hours

Study and application of rules governing discovery and admission of evidence in state and federal courts and administrative hearings.

Recent Term(s) Offered: fall 2022

PLS 360 Debtor Creditor Relations 3 Hours

Study and analysis of the types of debtor/creditor relationships, including how the relationships are developed and maintained and what legal remedies exist when the relationships deteriorate.

Recent Term(s) Offered: None

PLS 375 Comparative Legal Systems 3 Hours

Comparative study and analysis of U.S. legal system and those of select foreign countries. Students will be responsible for fees associated with off campus travel as assigned. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PLS 381 Alternative Dispute Resolution Methods and Practices 3 Hours

Examination and application of various methods of alternative dispute resolution utilized in legal disputes.

Prerequisite(s): PLS 393

Recent Term(s) Offered: spring 2021

PLS 392 Corporate Law 3 Hours

Examination and analysis of available business forms including formation requirements, tax and liability considerations, and operation and management concerns.

Prerequisite(s): PLS 250

Recent Term(s) Offered: spring 2020

PLS 393 Civil Procedure 3 Hours

Examination and application of federal and state rules of procedure governing a civil lawsuit from initial client contact through discovery, trial, and appeal. Coursework will focus on the role and responsibilities of the paralegal in preparing court documents, investigation, client and witness contact, discovery, trial preparation and post-trial proceedings. A mock trial will be concluded.

Prerequisite(s): PLS 250

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PLS 395 Estate Planning and Administration 3 Hours

Estate planning and probate practice under Kentucky statutes, including initial steps, asset management and distribution, tax issues, wills and trusts, and drafting related documents required for planning and probate.

Prerequisite(s): PLS 250

Recent Term(s) Offered: spring 2020; spring 2022

PLS 400 Special Topics for Paralegals 1-6 Hours (repeatable max of 6 hrs)

This course is an examination of historical and contemporary special topics in paralegal studies. Students are responsible for arranging their own transportation for off campus travel as assigned.

Recent Term(s) Offered: spring 2021; fall 2022

PLS 450 Legal Research and Writing II 3 Hours

The sources and techniques of performing online, independent legal research, critical analysis of fact and law, legal argument development and drafting advanced legal documents.

Prerequisite(s): PLS 250

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PLS 499 Internship in Paralegal Studies 3 Hours

Students must document a minimum number of hours of practical experience in an external legal setting under an attorney's supervision. Note: Permission of program advisor and advanced registration required.

Prerequisite(s): PLS 250 and PLS 393 and PLS 450 (may be taken concurrently)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

Performing Arts (PERF)

PERF 101 Acting 3 Hours

Improvisation, theatre games, and introductory scene and/or monologue work intended to develop fundamental performance and ensemble collaboration skills.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021

PERF 110 Mat Pilates 2 Hours (repeatable max of 6 hrs)

A study of Pilates-based, mat exercises. Holistic exercises use specific breath support and provide physical/mental conditioning that change muscle tone, balance, flexibility and overall fitness and well-being.

Repeatable two times for credit.

Recent Term(s) Offered: None

PERF 120 Rehearsal and Production 1 Hour

An introductory, experiential learning course providing an overview of theatre and dance production safety procedures and rehearsal etiquette, as well as practical experience in all areas of theatrical production.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PERF 121 Rehearsal and Production II 1 Hour

Continuation of PERF 120.

Recent Term(s) Offered: None

PERF 175 University Experience: Performing Arts 2 Hours

Designed to develop academic skills and library research skills to foster personal development and to provide information about campus resources, thus empowering students to have a successful transition to the higher education experience.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PERF 205 Voice and Movement for the Stage 1 Hour (repeatable max of 4 hrs)

A developmental studio course designed to help students enhance the quality, strength, balance, flexibility and control of their natural vocal/kinesthetic abilities. Repeatable once for credit.

Recent Term(s) Offered: spring 2021; fall 2021; fall 2022

PERF 220 Production Lab I 0.5-1 Hours (repeatable max of 2 hrs)

A variable credit experiential learning course designed to provide experience in theatrical production. Repeatable for a total of 2 credits.

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022; fall 2022

PERF 221 Rehearsal and Production IV 1 Hour

Continuation of PERF 220.

Recent Term(s) Offered: None

PERF 261 Performing Arts Practicum I 1 Hour (repeatable max of 4 hrs)

Individualized, mentored practical project course in drama, theatre or dance. Repeatable 3 times for a total of 4 credit hours.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; spring 2022; fall 2022

PERF 300 Topics in Contemporary Performance Studies 3 Hours (repeatable max of 9 hrs)

Topics-based course focusing on a particular area of contemporary performance theory and practice. May be repeated twice for a total of 9 credit hours.

Recent Term(s) Offered: fall 2020; fall 2021

PERF 320 Production Lab II 0.5,1 Hours (repeatable max of 2 hrs)

A variable credit experiential learning course designed to provide experience in theatrical production.

Prerequisite(s): PERF 220

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PERF 321 Production Lab III 0.5-1 Hours (repeatable max of 2 hrs)
A variable credit experiential learning course designed to provide experience in theatrical production. Repeatable for a total of 2 credits.
Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022; fall 2022

PERF 331 Dramaturgy Lab 0.5-2 Hours (repeatable max of 6 hrs)
Practice-based learning in at least one area of dramaturgy (literary management, production dramaturgy, new play dramaturgy, audience outreach).
Prerequisite(s): THEA 252 with a minimum grade of C
Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PERF 340 Performance Lab I 0.5-1 Hours (repeatable max of 2 hrs)
A variable credit experiential learning course designed to provide practical experience in theatrical performance under actual production conditions. Repeatable for a total of 2 credits.
Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PERF 341 Performance Lab II 0.5-1 Hours (repeatable max of 2 hrs)
A variable credit experiential learning course designed to provide practical experience in theatrical performance under actual production conditions.
Prerequisite(s): PERF 340
Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PERF 350 Voice and Diction for the Theatre 1 Hour
Study and practice of proper vocal production and standard American diction for theatrical applications.
Prerequisite(s): THEA 300
Recent Term(s) Offered: spring 2022

PERF 361 Performing Arts Practicum II 2 Hours (repeatable max of 8 hrs)
Individualized, mentored practical project course in drama, theatre or dance. Repeatable 3 times for a total of 8 credit hours.
Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PERF 362 Theatre in Diversion 3 Hours (repeatable max of 6 hrs)
Course focusing on techniques for working with at-risk youth. Will provide students with a chance to teach drama skills and develop a performance showcase with teenagers in the juvenile justice system, and to evaluate the effectiveness of these interventions in reducing delinquency.
Prerequisite(s): (SOCL 100 and SOCL 302) or THEA 252
Recent Term(s) Offered: None

PERF 369 Professional Work / Career Experience in Theatre 3 Hours (repeatable max of 6 hrs)
Practical out-of-classroom experience in a supervised work situation with a cooperating business, industry, social or governmental agency. Can be repeated one time with departmental approval.
Recent Term(s) Offered: None

PERF 400 Advanced Performing Arts Studio 3 Hours (repeatable max of 9 hrs)
A team mentored applied performing arts studio offering advanced Department of Theatre and Dance majors an opportunity to work together in small, collaborative teams on the conceptualization and production of fully realized performing arts events. Repeatable twice for a total of 9 credits. Note: Theatre and Dance majors only, at least junior standing.
Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PERF 401 Solo Performance 3 Hours
Practical training in the creation and performance of solo performance works.
Prerequisite(s): THEA 252 with a minimum grade of C and THEA 101 with a minimum grade of C
Recent Term(s) Offered: spring 2021; spring 2022

PERF 420 Production Lab IV 0.5-1 Hours (repeatable max of 2 hrs)
A variable credit experiential learning course designed to provide experience in theatrical production. Repeatable for a total of 2 credits.
Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022; fall 2022

PERF 421 Production Lab V 0.5-1 Hours (repeatable max of 2 hrs)
A variable credit experiential learning course designed to provide experience in theatrical production. Repeatable for a total of 2 credits.
Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PERF 423 Performing Arts Management 3 Hours
A basic study of the principles of management applied to the fields of theatre operation, production preparation and performance that will affect the direction and growth of the theatre.
Recent Term(s) Offered: fall 2020; fall 2021; spring 2022; fall 2022

PERF 430 Production Lab VI 0.5-1 Hours (repeatable max of 2 hrs)
A variable credit experiential learning course designed to provide experience in theatrical production. Note: Permission of instructor.
Prerequisite(s): PERF 421
Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022; fall 2022

PERF 431 Production Lab VII 0.5-1 Hours (repeatable max of 2 hrs)
A variable credit experiential learning course designed to provide experience in theatrical production.
Prerequisite(s): PERF 430
Recent Term(s) Offered: fall 2021; spring 2022; fall 2022

PERF 440 Performance Lab III 0.5-1 Hours (repeatable max of 2 hrs)
A variable credit experiential learning course designed to provide practical experience in theatrical performance under actual production conditions. Repeatable for a total of 2 credits.
Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PERF 445 Research in Theatre and Dance 3 Hours
Directed Research in Theatre and Dance. Offered as an independent study course with a theatre/dance faculty advisor.
Recent Term(s) Offered: None

PERF 450 Performing Arts Career Seminar 1 Hour

Prerequisite(s): Department of Theatre and Dance majors with senior standing, or permission of instructor. Prepares senior theatre and dance department majors to successfully engage the application/audition process for graduate and/or entry-level career positions in the field of performing arts.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in Performing Arts (588), Dance (630) or Theatre (798)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PERF 451 Career Seminar Workshop 2 Hours

A discipline specific workshop designed to accompany PERF 450: Performing Arts Career Seminar.

Prerequisite(s): PERF 450

Corequisite(s): PERF 450

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PERF 461 Performing Arts Practicum III 3 Hours (repeatable max of 12 hrs)

Individualized, mentored practical project course in drama, theatre or dance. Repeatable 3 times for a total of 12 credit hours.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Philosophy (PHIL)

PHIL 101 Enduring Questions: Truth and Relativism 3 Hours

The study of central positions and arguments concerning the nature and character of Truth: Is there such a thing as Truth? What is real? If there is Truth and reality, how can we know them? **Colonnade/Statewide General Education Code E-AH | AH**

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PHIL 102 Enduring Questions: The Good and the Beautiful 3 Hours

The study of fundamental questions in moral theory and aesthetics: What is good? What is beauty? On what grounds do we base moral and aesthetic judgments? How are the good and the beautiful related, and how are they different? **Colonnade/Statewide General Education Code E-AH | AH**

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

PHIL 103 Enduring Questions: The Committed Life 3 Hours

The philosophical study of individual and collective commitment to ideals and values in a pluralistic society. **Colonnade/Statewide General Education Code E-AH | AH**

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PHIL 202 Racial Justice 3 Hours

An examination of (1) the major perspective that came together to form the civil rights movement of the 1950's and 1960's; (2) the accomplishments and failures of that movement; and (3) the issues of racial justice that remain today. **Colonnade/Statewide General Education Code SB**

Equivalent(s): RELS 202

Recent Term(s) Offered: None

PHIL 207 Philosophy and Popular Culture 3 Hours

An examination of the multiple ways that philosophical inquiry can further the study of popular culture. This will include philosophical accounts of the nature and meaning of popular culture as well as the use of various philosophical approaches to interpret specific elements of popular culture such as film, television, music, and sports.

Recent Term(s) Offered: None

PHIL 208 Philosophy of Public Space; Reason, Action & Violence 3 Hours

An exploration of how public spaces (squares, malls, streets, parks, and sidewalks) shape citizenship by enabling and disabling public discourse and political participation. Students will investigate and evaluate demands for justice and fairness that have been made in public spaces.

Recent Term(s) Offered: None

PHIL 211 Why Are Bad People Bad? 3 Hours

A study of enduring questions about the darker side of human nature—such as whether people are born bad and whether people are responsible for vice and evil—providing a philosophical analysis of a wide range of examples from multiple disciplinary perspectives. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; fall 2020; summer 2021; fall 2021; winter 2022; summer 2022; fall 2022

PHIL 212 Philosophy and Gender Theory 3 Hours

Introductory study of philosophical works as they related to gender theory, queer theory, and feminism. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: None

PHIL 214 Logic, Argument, and Practical Reasoning 3 Hours

Focuses on areas of logic that provide a basis for philosophical reasoning and analysis, including types of arguments, logical properties, fallacies, Venn diagrams, truth tables, and categorical, sentential, and quantified logics.

Recent Term(s) Offered: fall 2020

PHIL 215 Symbolic Logic 3 Hours

An introductory course in logic which presents the different uses of language and teaches students (1) to evaluate the logical status of statements and the consistency and validity of arguments using both natural and formal language techniques, and (2) to identify informal fallacies. Typically, a student who earns an "A" or "B" in PHIL 215 may go on to take PHIL 415, with the permission of the instructor of 415.

Colonnade/Statewide General Education Code F-QR | AH, QR

Recent Term(s) Offered: spring 2022; fall 2022

PHIL 299 Philosophical Writing Workshop 1 Hour (repeatable max of 3 hrs)

A workshop designed to help students develop their writing skills and forms of argumentation in a philosophical context. Note: One philosophy course or concurrent registration in a philosophy course required.

Recent Term(s) Offered: None

PHIL 305 Aesthetics 3 Hours

A survey of outstanding philosophies of art and a study of the principles of art criticism.

Recent Term(s) Offered: None

PHIL 315 Philosophy of Religion 3 Hours

A systematic study of such problems as the nature and existence of God, the relation of faith and reason, human nature and destiny, immortality, evil, and the problem of religious language. Note: One course in philosophy or religious studies is required.

Equivalent(s): RELS 315

Recent Term(s) Offered: spring 2020

PHIL 320 Ethics 3 Hours

An introduction to ethical issues using classical and contemporary texts. Among issues that may be treated are justice, rights, responsibilities, punishment, and obligations regarding the environment. Note: One course in philosophy or sophomore status is required. **Colonnade/Statewide General Education Code AH**

Recent Term(s) Offered: None

PHIL 322 Biomedical Ethics 3 Hours

A philosophical analysis of ethical problems in biomedical practice and research, including patients' rights, professional responsibilities, death and dying, health care allocation, and reproductive technologies.

Colonnade/Statewide General Education Code AH

Recent Term(s) Offered: None

PHIL 323 Social Ethics 3 Hours

Perspectives and issues involved in the public pursuit of justice in a religiously and philosophically diverse society. One short field trip. Note: One course in religious studies or philosophy or junior status is required.

Colonnade/Statewide General Education Code K-SC

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Equivalent(s): RELS 323

Recent Term(s) Offered: spring 2021; spring 2022

PHIL 324 War and Peace 3 Hours

A philosophical examination of classical and contemporary arguments concerning the use of organized violence to settle human disputes.

Topics include just war theories, pacifism and nonviolence, deterrence, militarism, and peacemaking. Note: One course in philosophy at the 100 or 200 level; or permission of instructor is required.

Recent Term(s) Offered: None

PHIL 330 Philosophy of Science 3 Hours

Critical examination of the concepts, presuppositions, and methods of the natural and social sciences. Fundamental concepts such as space, time, matter, and causality are examined. Note: One course in philosophy or permission of instructor is required. **Colonnade/Statewide General Education Code K-SY**

Recent Term(s) Offered: spring 2020; spring 2021

PHIL 331 Analytic Philosophy 3 Hours

A study of Anglo-American/Analytic philosophy in the 20th century focusing on the works of representative figures like Carnap, Frege, Moore, Russell, Quine and Wittgenstein. Note: One course in philosophy or permission of instructor is required.

Recent Term(s) Offered: None

PHIL 332 Philosophy of Mind: Minds and Machines 3 Hours

A study of the nature of mind, cognitive states, and consciousness. Topics may include the nature of the mental system, mind-brain identity, computer consciousness, and visual system's role in decision-making and intentionality. **Colonnade/Statewide General Education Code K-SY**
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PHIL 333 Marx and Critical Theory 3 Hours

A study of 19th and 20th century critical social thought focusing on Marxism and the Frankfurt School. Note: One course in philosophy or permission of instructor is required.

Recent Term(s) Offered: None

PHIL 334 Philosophy of Language 3 Hours

Examines major topics in the philosophy of language, including the language-world-thought relationship, linguistic meaning, linguistic structure, and communication. Note: One Philosophy Course or permission of instructor is required.

Recent Term(s) Offered: fall 2021

PHIL 341 Plato and Aristotle 3 Hours

The study of primary texts to assess and compare the contributions of Plato and Aristotle and related figures to issues in metaphysics, epistemology, ethics, and political philosophy. Note: One course in philosophy or permission of instructor is required.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

PHIL 342 Skeptics, Stoics, and Epicureans 3 Hours

A selective study to assess and compare the views of Stoics, Skeptics, Epicureans, and others on issues that include reality, knowledge, natural law, well-being, and soul. Note: One course in philosophy or permission of instructor is required.

Recent Term(s) Offered: fall 2022

PHIL 343 Medieval Philosophy 3 Hours

A selective study to assess and compare the contributions of medieval thinkers such as Peter Abelard, Roger Bacon, and William of Ockham to issues including language, knowledge and science, reality and God, virtues and conscience, well-being, and political order. Note: One course in philosophy or permission of instructor is required.

Recent Term(s) Offered: None

PHIL 344 Early Modern Moral Philosophy 3 Hours

A selective study of moral problems and movements in early modern European philosophy between the Reformation and the late eighteenth century. Note: One course in philosophy or permission of instructor is required.

Recent Term(s) Offered: fall 2020

PHIL 345 Descartes and Hume 3 Hours

A comparative treatment of the major works and doctrines of Descartes and Hume and their importance for subsequent philosophical developments. Note: One course in philosophy or permission of instructor is required.

Recent Term(s) Offered: None

PHIL 346 Kant and Idealism 3 Hours

A focused study of the philosophy of Kant and reaction to that philosophy by such figures as Hegel, Schelling, Fichte, or Kierkegaard. Note: One course in philosophy or permission of instructor is required.

Recent Term(s) Offered: None

PHIL 347 Leibniz and Locke 3 Hours

A comparative treatment of the major works and doctrines and Leibniz and Locke and their importance for subsequent philosophical developments. Note: One course in philosophy or permission of instructor is required.

Recent Term(s) Offered: spring 2021

PHIL 348 20th Century Philosophy 3 Hours

A study of one or more of the philosophical movements of the 20th century. Note: One course in philosophy or permission of instructor is required.

Recent Term(s) Offered: None

PHIL 350 Ethical Theory 3 Hours

A study of the major normative systems in the history of ethics, and of selected problems in contemporary metaethics, including moral reasoning, skepticism, rights, and theories of justice. Note: One course in philosophy or permission of instructor is required.

Recent Term(s) Offered: fall 2021

PHIL 401 Readings in Philosophy 3 Hours

An intensive study of selected philosophic classics or readings in a selected area of philosophy. May be repeated for different topics. Note: One course in philosophy or permission of instructor is required.

Recent Term(s) Offered: spring 2022

PHIL 404 Metaphysics and Epistemology 3 Hours

Selective study of topics about reality and knowledge, such as existence, appearance and reality, causality, persons, certainty, theory and evidence, explanation and understanding and justification. Note: Junior status, PHIL 215 and one philosophy course at the 100 or 200 level; or permission of instructor is required.

Recent Term(s) Offered: spring 2022

PHIL 406 Existentialism 3 Hours

A study of central thinkers in the existential movement and its representative themes of individualism, subjectivity, passion, freedom, absurdity, and responsibility. Note: One course in philosophy or permission of instructor is required.

Recent Term(s) Offered: None

PHIL 415 Advanced Logic 3 Hours

Advanced topics in First Order Logic and topics in the Philosophy of Logic.

Prerequisite(s): PHIL 215

Recent Term(s) Offered: spring 2021

PHIL 426 Philosophy and Old Age 3 Hours

Examination of philosophical themes bearing on old age, such as: meaning, memory, selfhood, autonomy, im/immortality, euthanasia, filial obligation, intergenerational justice, authority, dignity, virtue/vice and beauty.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2021

PHIL 427 Philosophy of Law 3 Hours

A study of theories on the nature and origin of law, basic legal concepts (obligation, right, equality, liberty, justice), legal moralism, church and state, civil disobedience, and other topics. Note: One philosophy course or permission of instructor is required.

Recent Term(s) Offered: spring 2020; spring 2022

PHIL 432 Philosophy and Early Modern Science 3 Hours

A study of the links as between natural philosophy, jurisprudence, and the rise of experimentalism in the seventeenth century. Note: One philosophy course or permission of instructor is required.

Recent Term(s) Offered: None

PHIL 433 History of Philosophy of Science 3 Hours

A treatment of the philosophical analyses of problems in science, such as Realism, Instrumentalism, Hypothetico-Deductivism, Models, Empiricism, Experimental Design, and Scientific change or Progress, studies in historical context. Note: One philosophy course or permission of instructor is required.

Recent Term(s) Offered: None

PHIL 440 Readings in Ancient or Medieval Philosophy 3 Hours

Advanced study of a major thinker or movement in ancient or medieval philosophy. Note: One philosophy course or permission of instructor is required.

Recent Term(s) Offered: fall 2021

PHIL 450 Readings in Modern or Contemporary Philosophy 3 Hours

Advanced study of a major thinker or movement in modern or contemporary philosophy. Note: One philosophy course or permission of instructor is required.

Recent Term(s) Offered: fall 2022

PHIL 496 Senior Seminar 1-3 Hours (repeatable max of 3 hrs)

A capstone course designed for senior philosophy majors. Students will complete projects that demonstrate their research, writing, and analytical skills. Content areas of the seminar will vary by semester and instructor. Note: Senior standing and major in Philosophy or permission of instructor required.

Restriction(s): Enrollment is limited to students in Philosophy (745)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PHIL 499 Research in Philosophy 3 Hours

Directed study and research in one area of philosophy. The research will culminate in an acceptable thesis. Note: Open only to philosophy majors with at least a 3.0 grade point average in their senior year is required.

Restriction(s): Enrollment is limited to students in Philosophy (745)

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Photojournalism (PJ)

PJ 101 Influence of the Photograph 3 Hours

A study of the prevalence and impact of photographs that are disseminated throughout social media and traditional publications. Beyond analyzing the creation and structure of photographs, special emphasis and discussion will focus on how these images inform and persuade society. **Colonnade/Statewide General Education Code E-AH | AH**

Recent Term(s) Offered: fall 2021; winter 2022; spring 2022; fall 2022

PJ 131 Fundamentals of Photography 3 Hours

Introduces students to the principles of photography, including exposure, composition, light, and moments, through demonstrations, field assignments, and class critiques. A DSLR, mirrorless camera, or high-quality, adjustable point-and-shoot camera is required (no cell phone cameras). **Colonnade/Statewide General Education Code E-AH | AH**

Course Fee: \$90

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

PJ 261 Mobile Media Storytelling 3 Hours

Online journalistic storytelling using photographs, words, audio, video, screen design, and data visualization. Weekly assignments explore the context of visual outlets, including social media and community engagement. Smartphone required. **Colonnade/Statewide General Education Code E-AH | AH**

Course Fee: \$60

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022; fall 2022

PJ 330 Short Form Documentary 3 Hours

Analysis and hands-on application of visual storytelling, editing techniques, and story structure, primarily used in the documentary video genre. Requires off-campus transportation, DSLR or mirrorless equipment with video capabilities, audio equipment, and an external hard drive.

Prerequisite(s): PJ 131 with a minimum grade of C

Course Fee: \$125

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PJ 331 Photojournalism 3 Hours

The practice of photojournalism as a means of storytelling through multiple-picture fieldwork projects in the community, caption writing, presentation, portfolio development, and ethical decision-making. Off-campus transportation, DSLR or mirrorless camera, and external hard drive required.

Prerequisite(s): PJ 131 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Photojournalism (750)

Course Fee: \$60

Recent Term(s) Offered: spring 2022

PJ 333 Lighting Technologies 3 Hours

Application of techniques using flash and video lighting in the studio and on location. Weekly assignments include portraits, features, and illustrations. Ethical implication of lighting techniques discussed. On-location lighting equipment, off-campus transportation, DSLR or mirrorless camera, and external hard drive required.

Prerequisite(s): (PJ 330 with a minimum grade of C or PJ 331 with a minimum grade of C)

Restriction(s): Enrollment is limited to students in News/Editorial Journalism (716), Photojournalism (750) or Public Relations (763)

Course Fee: \$60

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PJ 336 Picture Editing 3 Hours

A study of the process of making informed and ethical decisions concerning the publication of still images and video. Topics include picture choice, traditional and online presentation design, and the role of the picture editor in media management.

Prerequisite(s): PJ 131 with a minimum grade of C and SOM 102 with a minimum grade of C

Restriction(s): Enrollment is limited to students in News/Editorial Journalism (716), Journalism (736) or Photojournalism (750)

Course Fee: \$125

Recent Term(s) Offered: spring 2020; spring 2021; fall 2022

PJ 390 Cultural History of Photography 3 Hours

Students will gain an understanding of the impact of the photographic image in different media, how photography has played a significant role in recording history since the 19th Century, and how the evolution of visual media has changed our perception of the world. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Course Fee: \$90

Recent Term(s) Offered: winter 2020; summer 2020; fall 2020; summer 2021; fall 2021; summer 2022; fall 2022

PJ 430 Advanced Short Form Documentary 3 Hours

An advanced, project-based application of documentary storytelling, editing, narrative structure, and journalistic ethics, with peer review and critique. Weekly assignments direct the student to understand a structured approach to the genre. Requires off-campus transportation, DSLR or mirrorless equipment with video capabilities, audio equipment, and an external hard drive.

Prerequisite(s): PJ 330 with a minimum grade of C and PJ 331 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Photojournalism (750)

Course Fee: \$125

Recent Term(s) Offered: fall 2021; fall 2022

PJ 431 Advanced Photojournalism 3 Hours

Application and development of advanced visual storytelling skills, including multiple-picture projects; covering news, features, sports, and portraits; writing; online presentation; interpersonal communication; and ethical decision-making. Off campus transportation, DSLR or mirrorless camera, and external hard drive required.

Prerequisite(s): PJ 330 with a minimum grade of C and PJ 331 with a minimum grade of C

Restriction(s): Students cannot enroll who are in Photojournalism (750)

Course Fee: \$125

Recent Term(s) Offered: spring 2022

PJ 436 Photojournalism Projects 3 Hours

Capstone for Photojournalism major. Emphasis on long-term projects based on critical thinking and journalistic ethical discussion. A student portfolio is presented to reflect mastery of skills. Guest lecturers from the visual industry enhance student learning. Requires off-campus transportation, DSLR or mirrorless equipment with video capabilities, audio equipment, and an external hard drive.

Prerequisite(s): PJ 430 with a minimum grade of C and PJ 431 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Photojournalism (750)

Course Fee: \$60

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PJ 439 Advanced Lighting and Contract Photography 3 Hours

Advanced lighting techniques applied to contract photography, as well as business practices related to a working studio. Final project includes a lighting portfolio and a business plan. Off-campus transportation, DSLR or mirrorless camera, and external hard drive required.

Prerequisite(s): PJ 333 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Photojournalism (750)

Course Fee: \$60

Recent Term(s) Offered: spring 2020; spring 2022

Physical Ed - Movement Studies (PEMS)

PEMS 326 Physical Education Movement Studies Practicum I 2 Hours

Field-based experiences in appropriate early/middle childhood non-school settings emphasizing the abilities to understand, recognize, analyze, and demonstrate a range of physical activity teaching skills. Students are responsible for their own transportation to and from practicum sites. Note: Permission of instructor may be required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020

PEMS 426 Physical Education Movement Studies Practicum II 2 Hours

Field-based experiences in appropriate adolescent, young adult/adult non-school settings emphasizing the abilities to understand, recognize, analyze, and demonstrate a range of physical activity teaching skills. Students are responsible for their own transportation to and from practicum sites. Note: Permission of instructor may be required.

Prerequisite(s): PEMS 326

Restriction(s): Enrollment limited to students with a semester level of Senior.

Recent Term(s) Offered: fall 2021; spring 2022

Physical Ed - Teacher Ed (PETE)

PETE 322 Field Experience in Physical Education I 2 Hours

Field-based experience in elementary school physical education emphasizing the abilities to understand, recognize, analyze, and demonstrate a range of teaching skills in an elementary school context.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PETE 415 Field Experience in Physical Education II 2 Hours

Prerequisite(s): Students in the PETE concentration must meet all requirements for admission into the teacher education program and be admitted into teacher education prior to registering for PETE 415. Field-based experience in secondary physical education emphasizing the abilities to understand, recognize, analyze, and demonstrate a range of teaching skills in a secondary school context.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

Physical Education (PE)

PE 100 Fundamentals of Physical Activity 3 Hours

A study of the basic knowledge, understandings, and values of physical activity. Laboratory experiences are required.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

PE 101 First Activity Course 1 Hour

Activity may be selected from aquatics, bowling, dance, golf, karate, racquetball, soccer, volleyball, weight training, aerobic dance, jogging, firearms, self-defense for women, water aerobics and white water kayaking. Students are responsible for transportation to and from off-campus experiences.

Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

PE 102 Second Activity Course 1 Hour (repeatable max of 2 hrs)

Activity may be selected from aquatics, bowling, dance, golf, karate, racquetball, soccer, volleyball, weight training, aerobic dance, jogging, firearms, self-defense for women, water aerobics and white water kayaking. Students are responsible for transportation to and from off-campus experiences.

Recent Term(s) Offered: None

PE 103 Third Activity Course 1 Hour (repeatable max of 2 hrs)

Activity may be selected from aquatics, archery, bowling, dance, golf, karate, racquetball, soccer, volleyball, weight training, aerobic dance, jogging, firearms, self defense for women, water aerobics and white water kayaking. Students are responsible for transportation to and from off-campus experiences.

Recent Term(s) Offered: None

PE 104 Fourth Activity Course 1 Hour (repeatable max of 2 hrs)

Activity may be selected from aquatics, archery, bowling, dance, golf, karate, racquetball, soccer, volleyball, weight training, aerobic dance, jogging, firearms, self defense for women, water aerobics and water kayaking. Students are responsible for transportation to and from off-campus experiences.

Recent Term(s) Offered: None

PE 111 Movement Themes and Concepts I 3 Hours

An introduction to the basic principles of body management skills. Students are required to perform movement patterns which have gymnastic qualities. The students will conduct peer-teachings.

Restriction(s): Enrollment is limited to students in Physical Education (587)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PE 122 Foundations of Kinesiology 3 Hours

An introductory study of the historical, philosophical, and scientific foundations of kinesiology; aspects of physical education, exercise science, and sport will be covered.

Equivalent(s): EXS 122

Recent Term(s) Offered: None

PE 123 Movement Themes and Concepts II 3 Hours

Designed to provide majors with biomechanical knowledge and skill acquisition in the area of human movement to include the fundamental skills of catching, throwing, kicking, and striking. The students will conduct peer-teachings. Note: Permission of instructor may be required.

Prerequisite(s): PE 111

Restriction(s): Enrollment is limited to students in Physical Education (587)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PE 211 Net / Wall and Target Sports 3 Hours

Pedagogical principles related to teaching the skills, tactics, and strategies of 'Net/wall' and 'Target' game forms.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PE 212 Striking / Fielding and Invasion Sports 3 Hours

Pedagogical principles of teaching 'invasion' and 'striking/fielding' game forms.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PE 220 Skill Progression and Assessment 2 Hours

Focuses on appropriate learning progressions for instructional tasks to achieve a necessary link between learning outcomes using a skills approach and a tactical awareness of games approach.

Recent Term(s) Offered: None

PE 221 Health Related Fitness I – Aerobics 2 Hours

The importance of aerobic exercise for health is presented through a variety of aerobic fitness activities. Students are required to perform and lead activities.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Doctoral Program or Sophomore may **not** enroll.

Enrollment is limited to students in Physical Education (587)

Recent Term(s) Offered: None

PE 223 Introduction to Teaching Physical Education 3 Hours

Designed to provide majors with the abilities to define, describe, and demonstrate a range of skills to support multiple accreditation standards teaching physical education in a variety of settings.

Restriction(s): Enrollment is limited to students in Physical Education (587)

Recent Term(s) Offered: None

PE 250 Conduct of Intramural Sports 2 Hours

A critical analysis of intramural sports programs from the standpoint of objectives, age level, and contribution to the general welfare of the participating students. Problems of policy and administration of programs on the elementary, secondary, and college levels are studied.

Recent Term(s) Offered: None

PE 290 Foundations of Coaching Principles 3 Hours

Overview of concepts essential in preparation of sport coaches. Includes sport pedagogy, coaching philosophy, motivation, team dynamics, managing and communicating effectively, risk management/sports medicine, and additional responsibilities for beginning coaches.

Recent Term(s) Offered: spring 2022

PE 291 Scientific Base/Conditioning 3 Hours

A study of the physiological basis for conditioning and training athletes.

Recent Term(s) Offered: fall 2020; fall 2022

PE 300 Lifespan Leisure & Recreation Activities 3 Hours

The study of lifespan leisure activity and recreation skills and techniques for utilization in instructional techniques for educational settings. This course may include, but is not limited to, the following activity areas: inclusive activities/recreation, outdoor pursuits, lifetime sports, cross-cultural activities/sports, and leisure activities.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PE 310 Kinesiology 3 Hours

A study of the anatomical, mechanical, and neuromuscular bases of human movement.

Prerequisite(s): BIOL 131

Recent Term(s) Offered: winter 2020; summer 2020; fall 2020; winter 2021; fall 2021; fall 2022

PE 311 Exercise Physiology 3 Hours

A study of the acute and chronic effects of exercise on the body's physiological function.

Recent Term(s) Offered: summer 2020; spring 2021; summer 2021; spring 2022; summer 2022

PE 312 Basic Athletic Training 3 Hours

A study of the basic principles of athletic training including prevention, evaluation, care, and rehabilitation of athletic injuries.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Equivalent(s): EXS 312

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PE 313 Motor Development 3 Hours

A study of the development of human motor performance.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; summer 2022; fall 2022

PE 314 Physical Education Curriculum 3 Hours

A comprehensive study of guidelines for curriculum development within domain of physical education based on developmentally appropriate content and movement framework.

Recent Term(s) Offered: None

PE 319 Adapted Physical Education 3 Hours

Provides knowledge and skills for assessing, interpreting, programming and instructing children and adults with disabilities/special needs in a wide range of physical education programs.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PE 320 Methods in Early and Middle Childhood Physical Education 3 Hours

Designed to provide an in-depth study of the pedagogical knowledge and techniques required for an effective elementary physical education program.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PE 321 Physical Education Curriculum (Grades K-6) 3 Hours

A study of guidelines for curriculum development in elementary physical education. The content of this course is based on developmentally appropriate content and the movement framework.

Recent Term(s) Offered: None

PE 323 Adaptive Physical Education (Grades K-6) 1 Hour

The course provides knowledge and skills for assessing, interpreting, programming, and instructing students with disabilities in K-6 physical education programs.

Recent Term(s) Offered: None

PE 324 Measurement and Evaluation in Kinesiology 3 Hours

A study of measurement tools and evaluation procedures used in the fields associated with kinesiology, including physical education, exercise science, and biomechanics.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Enrollment is limited to students in Physical Education (587)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PE 333 Coaching of Volleyball 2 Hours

A study of the fundamentals of coaching offensive and defensive volleyball.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

PE 340 Football Coaching 3 Hours

Fundamentals of offensive and defensive play, psychology of coaching, schedule making, rules and problems in training, and conditioning in football.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: summer 2020; fall 2020; summer 2021; summer 2022

PE 341 Basketball Coaching 3 Hours

Fundamentals of offensive and defensive play, psychology of coaching, schedule making, rules and problems in training, and conditioning in basketball.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: winter 2020; winter 2021; winter 2022

PE 342 Track and Field Coaching 3 Hours

Fundamentals of coaching, schedule making, rules and problems in training, and conditioning in track and field.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020

PE 343 Baseball Coaching 3 Hours

Fundamentals of coaching, schedule making, rules and problems in training, and conditioning in baseball.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: summer 2020; summer 2021; summer 2022

PE 347 Sports Officiating 3 Hours

Analysis of rules and officiating techniques for sports with an emphasis on football, volleyball, and basketball. Course includes philosophy, minimum standards, school relationships, and principles of crowd control in public school and college officiating. Laboratory experiences in officiating are required in the intramural program.

Recent Term(s) Offered: None

PE 354 Physical Education for Elementary Schools 3 Hours

Designed especially for classroom teachers emphasizing materials and techniques for the physical education program for elementary schools.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

PE 355 Laboratory Procedures in Physical Education Athletics 2 Hours

A study of specific problems in the administration of physical education, recreation, athletics and exercise science.

Recent Term(s) Offered: None

PE 390 Fitness / Wellness Applications 3 Hours

Designed to help physical education majors build a foundation of current knowledge and practice in health related fitness and wellness for application in the education setting.

Restriction(s): Enrollment is limited to students in Physical Education (587)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PE 413 Adaptive Physical Education (Grades 7-12) 1 Hour

The course provides knowledge and skills for assessing, interpreting, programming, and instructing students with disabilities in 7-12 physical education programs.

Recent Term(s) Offered: None

PE 414 Physical Education Curriculum (Grades 7-12) 3 Hours

Principles and practices of secondary physical education curriculum models to include an in-depth understanding and implementation of KERA academic expectations. Field experience is required.

Recent Term(s) Offered: None

PE 416 Special Topics in Physical Education 1-3 Hours (repeatable max of 4 hrs)

An in-depth examination of a topic of current interest and relevance to physical education practitioners. Note: Permission of instructor required.

Recent Term(s) Offered: spring 2022

PE 420 Adaptive Physical Education 3 Hours

Study and field experience in the adaption of the principles and practices of physical education programs for the teaching of handicapped children.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

PE 456 Individual Advanced Studies in Kinesiology 3 Hours

Specific and detailed analysis of practical problem areas in Kinesiology.

Equivalent(s): EXS 456

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022

PE 483 Technology Applications in Physical Education 1 Hour

Technology-related applications in physical education.

Recent Term(s) Offered: None

PE 491 Rehabilitation / Injuries 3 Hours

Methods and techniques in the selection and application of rehabilitation techniques in sports medicine. The National Athletic Trainers Association (NATA) Competencies in Athletic Training will serve as guidelines for student expectations in this course. Laboratory and field-based experiences are required.

Recent Term(s) Offered: None

PE 492 Adv Athletic Training 3 Hours

A concentrated study of the competencies comprising the roles of the certified athletic trainer. They include prevention of athletic injuries; recognition, evaluation and assessment of injuries; immediate care of injuries; treatment, rehabilitation and reconditioning of injuries; health care administration; and professional development and responsibilities.

Recent Term(s) Offered: None

PE 493 Practicum in Coaching 1-3 Hours (repeatable max of 3 hrs)

Supervised experience as an assistant coach in an interscholastic athletic program.

Recent Term(s) Offered: None

PE 497 Advanced Principles of Coaching 3 Hours (repeatable max of 3 hrs)

Facilitates the application of advanced principles in the field of athletic coaching. Particular emphasis in this course will be placed on athlete development, managing time and energy levels, effectively communicating with parents, and athlete-centered coaching.

Prerequisite(s): PE 290

Restriction(s): Enrollment is limited to students in Athletic Coaching (320)

Recent Term(s) Offered: fall 2020; winter 2021; summer 2021; fall 2021; summer 2022; fall 2022

Physics (PHYS)

PHYS 100 Energy 3 Hours

A one-semester survey of the concepts of energy applicable to the understanding of energy in our environment. Topics covered are the nature of energy, sources, transmission, consumption, energy and the environment, and prospects for the future. Experiments will be conducted as part of the classroom work. **Colonnade/Statewide General Education Code E-NS | NS**

Recent Term(s) Offered: None

PHYS 101 Concepts of Motion 3 Hours

A one-semester introduction to motion and matter. Topics include the analysis of motion, Newton's Laws of motion, work, energy, the structure and properties of solids, liquids and gases, wave motion and sound. Laboratory experiments are an integral part of this course. **Colonnade/Statewide General Education Code E-NS, E-SL | SL, NS**

Recent Term(s) Offered: spring 2020

PHYS 103 Light, Color and Vision 3 Hours

A descriptive account of the nature and properties of light, color and the process of seeing including descriptions of some important optical instruments, such as the eye, the camera and the telescope. Laboratory experiments are an integral part of the course. **Colonnade/Statewide General Education Code E-SL, E-NS | SL, NS**

Course Fee: \$20

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PHYS 105 Concepts of the Physical World 3 Hours

A one-semester introduction to the concepts of physics for students planning to teach in elementary and middle schools. Topics include structure and properties of matter, mechanics, electricity, magnetism, heat, light and sound. Laboratory experiments are an integral part of this course. **Colonnade/Statewide General Education Code SL, NS**

Recent Term(s) Offered: None

PHYS 130 Acoustics of Music and Speech 3 Hours

The fundamental laws of mechanics and wave motion are studied with particular emphasis being placed upon their application to the production and control of music and speech. Laboratory experiments and field trips are an integral part of the course. Does not count toward credit for the physics major or minor. **Colonnade/Statewide General Education Code E-NS, E-SL | NS, SL**

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PHYS 180 Introductory Modern Physics 3 Hours

A survey of the physics revolution responsible for laptop computers, fiber optics, and nuclear power. Follows the change in physical theory from the 1870's through the 1920's, from the geometrical optics and thermodynamics through the theories of relativity and the basic ideas behind quantum mechanics. **Colonnade/Statewide General Education Code E-NS | NS**

Prerequisite(s): (MATH 117 or MATH 118 or MA 117C or MATH 136 or MATH 137)

Corequisite(s): PHYS 181

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PHYS 181 Introductory Modern Physics Laboratory 1 Hour

Laboratory experience focusing on applications of optics, thermodynamics, the structure and behavior of atoms, wavelike properties of particles, and quantization of light, charge and energy.

Colonnade/Statewide General Education Code E-SL | SL

Prerequisite(s): (MATH 117 or MATH 118)

Corequisite(s): PHYS 180

Course Fee: \$30

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PHYS 201 College Physics I 4 Hours

An introductory course for students majoring in applied sciences, emphasizing the application of basic physics principles through problem solving. Topics covered include mechanics, heat and thermodynamics, properties of matter and waves. Includes both lecture and laboratory components (No calculus is used). Note: High School algebra, geometry and right triangle trigonometry required. **Colonnade/Statewide General Education Code E-NS, E-SL | SL, NS**

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PHYS 202 College Physics II 4 Hours

A continuation of PHYS 201. The following topics are covered: electrostatics, electric field strength, electric potential difference, resistance, capacitance, DC circuits, magnetism, electromagnetic induction, electromechanical devices, simple AC circuits, reflection, refraction, geometrical optics, physical optics, interference and diffraction. Includes both lecture and laboratory components (No calculus is used).

Prerequisite(s): PHYS 201

Corequisite(s): PHYS 208

Recent Term(s) Offered: None

PHYS 215 Seminar for Physics Learning Assistants 1 Hour

Introduces students to basic theory and practical skills for assisting instructors as learning assistants in active-engagement physics courses. Note: A college level physics course and acceptance to serve as a learning assistant or permission of instructor.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PHYS 227 Engineering Statics 3 Hours

Study of external forces acting on particles and rigid bodies in equilibrium including force systems in two and three dimensions, distributed loading, applications to trusses, beams, frames and cables using vector algebra. Also covers centroids and moments of inertia.

Corequisite(s): MATH 237

Recent Term(s) Offered: None

PHYS 231 Introduction to Physics and Biophysics I 3 Hours

The first half of a basic course for students of the life sciences, covering the topics of mechanics, heat and thermodynamics, properties of matter, waves and sound. Emphasis is on an understanding of the physical principles operative in biological systems and on the application of physical methods in biology and medicine. Note: High School algebra, geometry and right triangle trigonometry required. **Colonnade/Statewide General Education Code E-NS | NS**

Corequisite(s): PHYS 232

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PHYS 232 Laboratory for Physics and Biophysics I 1 Hour

Students perform physics experiments on mechanics, fluids, sound, heat and thermodynamics. **Colonnade/Statewide General Education Code E-SL | SL**

Corequisite(s): PHYS 231

Course Fee: \$30

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PHYS 233 Laboratory for Physics and Biophysics II 1 Hour

Students perform physics experiments in electricity, magnetism and optics.

Corequisite(s): PHYS 332

Course Fee: \$30

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PHYS 255 University Physics I 4 Hours

This is the first half of a year-long course in calculus-based physics suggested for students in the physical sciences and mathematics. Definitions, concepts, and problem solving will be emphasized. Topics include kinematics, dynamics, energy, conservation laws, rotation, harmonic motion, mechanical waves and thermodynamics. **Colonnade/Statewide General Education Code E-NS | NS**

Prerequisite(s): MATH 136 with a minimum grade of C and MATH 137 (may be taken concurrently)

Corequisite(s): PHYS 256

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

PHYS 256 University Physics I Lab 1 Hour

Students perform physics experiments in mechanics and thermodynamics which stress the fundamental definitions and laws developed in the lecture course. Students gain experience in computerized data acquisition and data analysis using modern techniques and equipment. **Colonnade/Statewide General Education Code E-SL | SL**

Corequisite(s): PHYS 255

Course Fee: \$30

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

PHYS 265 University Physics II 4 Hours

This is the second half of a year-long course in calculus-based physics suggested for students in the physical sciences and mathematics. Definitions, concepts, and problem solving will be emphasized. Topics include electricity and magnetism, (electric and magnetic fields, forces, energy, potential, charged particle motion, induction, and circuits), sound waves and optics.

Prerequisite(s): (PHYS 255 with a minimum grade of C and MATH 227 with a minimum grade of C or MATH 137 with a minimum grade of C)

Corequisite(s): PHYS 266

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PHYS 266 University Physics II Laboratory 1 Hour

Students perform physics experiments in electricity and magnetism, waves and optics which stress the fundamental definitions and laws developed in the lecture course. Students gain experience in computerized data acquisition and data analysis using modern techniques and equipment.

Prerequisite(s): PHYS 255 and MATH 137

Corequisite(s): PHYS 265

Course Fee: \$30

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PHYS 295 Introduction to Research Methodology 1 Hour

To familiarize Ogden Research Scholars and other research oriented students with the fundamentals of choosing a research topic, performing a bibliographical search on a subject, topic, classification of instruments, data taking, data reduction, professional ethics and other research oriented topics. The common points of research methodology in the different scientific areas will be accentuated. Examples will be drawn from the various disciplines. Use of computers will be emphasized. (Course does not count towards any major or minor.) Note: Ogden Research Scholar, or 3.2 grade point average at the end of freshman year, or Ogden College faculty member recommendation.

Equivalent(s): BIOL 295, CS 295, MATH 295, GEOL 295, CHEM 295, ENGR 295

Recent Term(s) Offered: None

PHYS 299 Research Experiences 1-3 Hours (repeatable max of 3 hrs)

Individual or group research project carried out under direct faculty supervision. A faculty approved public presentation is required. Note: Permission of instructor required.

Prerequisite(s): MATH 117 and (PHYS 180 or PHYS 201 or PHYS 231 or PHYS 255)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PHYS 301 Electrical Measurements Laboratory 1 Hour

Laboratory experiments in fundamental techniques of electrical measurements.

Prerequisite(s): PHYS 265 and PHYS 266

Course Fee: \$20

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PHYS 302 Atomic Physics Laboratory 1 Hour

Fundamental experiments of historical importance in modern physics.

Prerequisite(s): PHYS 321 (may be taken concurrently)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PHYS 303 Electronics Laboratory 1 Hour

Laboratory experiments in basic techniques of analog and digital electronics. Note: Required for students enrolled in PHYS 340.

Corequisite(s): PHYS 340

Recent Term(s) Offered: None

PHYS 312 Laboratory Practice and Procedure 1 Hour

A course to assist prospective high school physics teachers in being able to plan, design, equip and teach a high school physics laboratory.

Recent Term(s) Offered: None

PHYS 316 Computational Physics 3 Hours

Use of computers to solve physics problems, model physical systems, and analyze data. Topics include simulating realistic motion, data analysis, Fourier transform, solutions to Laplace's equation, and Monte Carlo methods. Note: Permission of instructor may be required.

Prerequisite(s): PHYS 321

Recent Term(s) Offered: spring 2022

PHYS 318 Data Acquisition Using Labview 3 Hours

A study of computer-assisted measurement and automation techniques. Students receive hands-on experience in measuring and controlling physical phenomena through laboratory exercises and projects. Recognized as a LabVIEW Academy course by National Instruments.

Offers students the opportunity to become Certified LabVIEW Associate Developers. Note: Permission of instructor may be required.

Prerequisite(s): PHYS 301 with a minimum grade of C or ME 310 with a minimum grade of C or EE 211 with a minimum grade of C

Course Fee: \$25

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; winter 2022; fall 2022

PHYS 321 Introductory Modern Physics II 3 Hours

Study of the breakdown of classical physics at velocities close to the speed of light and on atomic scales. Topics include relativistic kinematics and dynamics, wave/particle duality, the Schrodinger equation, square wells, harmonic oscillators, the hydrogen atom, many-electron atoms, statistical distribution laws, conductivity and superconductivity, the band theory of solids, nuclear structure and reactions, and other selected topics of modern physics.

Prerequisite(s): PHYS 180 and PHYS 265 and MATH 237 (may be taken concurrently) and CHEM 120 (may be taken concurrently)

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; fall 2022

PHYS 325 Current Programs in Physics 3 Hours

A systematic study of several current systems of organizing and presenting introductory physics. The prospective teacher will become familiar with various program materials, and will explore the history and philosophy of physics. The student will compare these systems and consider adapting them to different classroom situations. Note: One year of college physics required prior to enrollment.

Recent Term(s) Offered: None

PHYS 330 Thermodynamics 3 Hours

A study of thermodynamic systems, equations of state, entropy, Maxwell-Boltzmann and quantum statistics.

Prerequisite(s): PHYS 321 and MATH 237 and MATH 331

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PHYS 332 Introduction to Physics and Biophysics II 3 Hours

The second half of a basic course for students of the life sciences, covering the topics of electricity, magnetism, light optics, atomic and nuclear physics. Emphasis is on an understanding of the physical principles operative in biological systems and on the application of physical methods in biology and medicine.

Prerequisite(s): PHYS 231

Corequisite(s): PHYS 233

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PHYS 335 General Biophysics 4 Hours (repeatable max of 4 hrs)

An introduction to the major fields of biophysics in quantitative terms, with emphasis on the physical techniques applied in biomedical practice and research. Note: Permission of instructor may be required.

Prerequisite(s): PHYS 231 and PHYS 332 and BIOL 120 and BIOL 121

Recent Term(s) Offered: None

PHYS 337 Medical Imaging 4 Hours

An introduction to the fundamental and quantitative principles underlying major medical imaging techniques.

Prerequisite(s): BIOL 120 and MATH 136 and (PHYS 332 or PHYS 265)

Recent Term(s) Offered: fall 2021

PHYS 340 Circuit Theory and Electronics 3 Hours

This course is suitable for all science majors who will use electronic devices in their work. It is a study of circuit analysis, active devices (such as diodes, transistors, silicon controlled rectifiers) and integrated circuits. Particular emphasis is placed on design and use of simple power supplies, transistor circuits, and operational amplifier circuits.

Prerequisite(s): PHYS 265 and PHYS 301 and MATH 137

Corequisite(s): PHYS 303

Recent Term(s) Offered: None

PHYS 350 Classical Mechanics I 3 Hours

A study of classical mechanics including equations of motion, coordinate systems, the simple harmonic oscillator, damping forces, vector algebra, momentum and energy theorems.

Prerequisite(s): MATH 237 (may be taken concurrently) and MATH 331 (may be taken concurrently) and PHYS 265

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PHYS 359 Clinical Optics 4 Hours

The optics of the human eye and of corrective lenses for common eye defects.

Prerequisite(s): PHYS 332 and PHYS 233

Recent Term(s) Offered: fall 2020; fall 2022

PHYS 363 Science Controversies: Historical and Contemporary 3 Hours

Examine the historical and contemporary scientific conflicts within their social and cultural contexts to better understand and communicate across different scientific and cultural paradigms. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PHYS 379 Nanotechnology in Biophysics and Medicine 4 Hours

The physics of nanostructures and their bio-medical applications.

Prerequisite(s): (PHYS 332 and PHYS 233) or (PHYS 265 and PHYS 266)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PHYS 389 Practicum in Physics and Astronomy 3-6 Hours (repeatable max of 12 hrs)

Practical experience in a supervised work situation. Application of basic knowledge and skills from the student's major discipline or area of career interest, with opportunities in learning the social, psychological, cultural and communication aspects of work. The student is placed under the direction of a supervisor of a cooperating business, industry, agency or institution. Includes specific, learning objectives and evaluation of the student using one or more of the following formats: (1) written reports, (2) seminar presentations, or (3) tests over selected readings. May be repeated with departmental approval.

Recent Term(s) Offered: None

PHYS 398 Junior Seminar 0.5 Hours (repeatable max of 1 hrs)

Weekly seminar series in current topics in physics. Each student will also prepare for and take comprehensive examination in physics.

Prerequisite(s): PHYS 321 and PHYS 350

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PHYS 399 Research Problems in Physics and Astronomy 1-3 Hours (repeatable max of 12 hrs)

Assigned reading or research for qualified undergraduates. May be repeated with change of content, but only three hours will count toward a major.

Prerequisite(s): PHYS 321

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; fall 2022

PHYS 404 Optics Laboratory 1 Hour

Fundamental laboratory experiments in geometrical and physical optics.

Note: Required laboratory for students enrolled in PHYS 441.

Corequisite(s): PHYS 441

Recent Term(s) Offered: spring 2020; spring 2022

PHYS 406 Lab / Solid State 1 Hour

Fundamental laboratory experiments in solid state physics.

Corequisite(s): PHYS 460

Recent Term(s) Offered: fall 2021

PHYS 407 Nuclear Physics Lab 1 Hour

Fundamental lab experiments in nuclear physics.

Corequisite(s): PHYS 470

Recent Term(s) Offered: None

PHYS 410 Physics for Teachers 3 Hours

A broad study, including laboratory experiences, of the areas of physics relevant to science teaching in grades K-12. For pre-service or in-service teachers who have a minimal physics background. Instruction will be differentiated according to student needs. Applicable toward a major or minor in physics only for those students obtaining teacher certification.

Prerequisite(s): (PHYS 201 or PHYS 231 or PHYS 255)

Recent Term(s) Offered: None

PHYS 425 Physics of Materials Science 3 Hours

This course investigates the fundamental quantum physics of bonding, energetics and structure that underpins the foundation of the physics of materials. The physical properties of nanomaterials and their corresponding applications will be explored using the principles of quantum physics. Materials examined include engineered metal alloys, electronic and magnetic materials, ionic and network solids, ceramics, polymers, and biomaterials at all length scales.

Prerequisite(s): PHYS 321 and MATH 237 and MATH 331 (may be taken concurrently)

Recent Term(s) Offered: fall 2020; fall 2022

PHYS 431 Radiation Biophysics 4 Hours (repeatable max of 4 hrs)

A treatment of the properties of the various forms of radiation and their interaction with, and effects on, living matter. The laboratory offers training in the monitoring of ionizing radiations and in the techniques of radioactive isotopes as applied in biological and clinical work.

Prerequisite(s): (PHYS 201 and PHYS 202) or (PHYS 231 and PHYS 332)

Recent Term(s) Offered: spring 2021

PHYS 440 Electricity and Magnetism I 3 Hours

A study of classical electricity and magnetism with emphasis on fields, potentials, conductors, dielectrics, steady currents and radiation.

Prerequisite(s): PHYS 350 and MATH 237 and MATH 331

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

PHYS 441 Optics 3 Hours

A study of geometrical and physical optics including wave propagation, refraction, dispersion, diffraction and polarization.

Prerequisite(s): PHYS 180 and PHYS 265 and MATH 137

Corequisite(s): PHYS 404

Recent Term(s) Offered: spring 2020; spring 2022

PHYS 445 Electromagnetism II 3 Hours

The study of classical electrodynamics with emphasis on Maxwell's equations, electromagnetic waves, dispersion, and radiation.

Prerequisite(s): PHYS 440

Recent Term(s) Offered: spring 2022

PHYS 450 Classical Mechanics II 3 Hours

A study of rigid body motion, moving coordinate systems, Lagrange's equations, small vibrations and the special theory of relativity as applied to mechanics.

Prerequisite(s): PHYS 350 and MATH 237 and MATH 331

Recent Term(s) Offered: None

PHYS 460 Solid State Physics 3 Hours

An introductory course in the theory of solids including geometrical and x-ray crystallography, Maxwell-Boltzmann and Fermi-Dirac statistics, free electron theory of metals, Brillouin Zones, band-model of semiconductors and the Hall Effect.

Prerequisite(s): PHYS 321 and MATH 237 and MATH 331

Corequisite(s): PHYS 406

Recent Term(s) Offered: fall 2021

PHYS 465 Geophysics 3 Hours

The basic fundamentals of general and exploration geophysics. The initial topics discussed include the origin of the earth and the solar system, the earth's interior, geochronology, gravity and isostasy, seismology, the earth's heat, geomagnetism, upper atmosphere, continents and ocean basins, ridges and island arcs, and continental drift. The theory and applications of exploration geophysics are also covered, especially gravity, magnetic and seismic methods. Note: One year of college physics required or permission of instructor.

Prerequisite(s): GEOL 111

Equivalent(s): GEOL 465

Recent Term(s) Offered: None

PHYS 470 Nuclear Physics 3 Hours

The properties of the nucleus including radioactivity, radiation detectors, nuclear reactions, nuclear mass and size determination, alpha, beta, and gamma decay, nuclear models, particle accelerators, fission and elementary particles.

Prerequisite(s): PHYS 302 and PHYS 321 and MATH 331

Corequisite(s): PHYS 407

Recent Term(s) Offered: None

PHYS 475 Selected Topics in Physics 1-3 Hours (repeatable max of 12 hrs)

Each topic is a course in directed study under the supervision of a faculty member. Available for full credit in subsequent sessions with change of content. Note: Permission of instructor is required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2021; fall 2022

PHYS 480 Quantum Mechanics 3 Hours

A study of the fundamental principles of quantum mechanics including the hydrogen and helium atoms, the harmonic oscillator, and the Schrodinger wave equation.

Prerequisite(s): PHYS 321 and PHYS 350 and MATH 237 and (PHYS 440 or PHYS 450 or MATH 435)

Recent Term(s) Offered: spring 2021

PHYS 489 Internship in Physics and Astronomy 3-6 Hours (repeatable max of 24 hrs)

Practical experience in a supervised work situation. Application of advanced knowledge and skills from the student's major discipline or area of career interest, with opportunities in learning the social, psychological, cultural, and communication aspects of work. The student is placed under the direction of a supervisor of a cooperating business industry, agency or institution. Includes specific learning objectives and evaluation of student using one or more of the following formats: (1) written reports, (2) seminar presentations, or (3) tests over selected readings. Note: May be repeated with departmental approval.

Recent Term(s) Offered: None

PHYS 498 Senior Seminar 0.5 Hours (repeatable max of 1 hrs)

Weekly seminar series in current topics in physics. Each student will also prepare and give an oral presentation of current research in physics.

Prerequisite(s): PHYS 398

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

Political Science (PS)

PS 110 American National Government 3 Hours

The essentials of the political system and processes, particularly at the national level, in the United States. **Colonnade/Statewide General Education Code E-SB | SB**

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

PS 200 Latin American Society: Past and Present 3 Hours

A broad interdisciplinary introduction to the study of Latin America, emphasizing its regions, peoples, and cultures. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Equivalent(s): SPAN 200, ANTH 200, HIST 200, GEOG 200

Recent Term(s) Offered: None

PS 201 Concepts of Political Science 3 Hours

Examines the linkage between politics and political thought in modern societies. Students apply a variety of theoretical concepts to specific policy areas.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2022

PS 220 Judicial Process 3 Hours

An introduction to the American legal system, the process of legal reasoning and legal resolution of value conflicts. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PS 250 International Politics 3 Hours

An introductory course in international relations which is designed to acquaint the student with basic theories, terminology, motivations, inter-relationships and problems on an international scale. **Colonnade/Statewide General Education Code E-SB | SB**

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

PS 260 Introduction to Comparative Politics 3 Hours

This course examines various characteristics of different political systems around the world. It introduces contending theories which seek to explain differences and similarities in governments and politics. **Colonnade/Statewide General Education Code E-SB | SB**

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

PS 275 Introduction to Citizenship 3 Hours

Examines what it means to be a citizen of a community, nation, and world; designed to introduce students to the basic theories, concepts and issues of citizenship.

Recent Term(s) Offered: spring 2021; fall 2021; spring 2022; fall 2022

PS 299 Contemporary Topics in Political Science 1-3 Hours

Examination of significant current issues in political science not covered in regular departmental offerings.

Recent Term(s) Offered: winter 2020; spring 2020; spring 2022; fall 2022

PS 300 Model Assembly (Seminar) 1 Hour (repeatable max of 3 hrs)
Explores the workings of a major international organization (e.g., NATO, OAU, Arab League, or UN). Students portray delegates to the organization at a simulation involving university students from around the country. The country being portrayed, the organization being simulated, and cost to student vary year by year.

Prerequisite(s): PS 250

Recent Term(s) Offered: None

PS 301 Using Statistics in Political Science 3 Hours
Understanding and application of statistics for the analysis of political phenomena and behavior. Uses statistical software to conduct statistical analysis of quantitative data.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; spring 2022

PS 302 Research Design in Political Science 3 Hours
Use of the scientific method as applied to political and social issues. Development of appropriate strategy and design to test research questions. Explores development of research questions, research ethics, research design, and collection of data.

Recent Term(s) Offered: fall 2022

PS 303 Politics and Film 3 Hours
Explores the relationship between politics and film. Demonstrates how film serves as a political archive and agent of social change and how film affects political views and representations of reality.

Recent Term(s) Offered: fall 2020; fall 2022

PS 304 State Government 3 Hours
Political features of the American states and their governments. Explores similarities and differences among the states' constitutions and key governmental institutions. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: winter 2020; fall 2020; summer 2021; fall 2021; winter 2022; summer 2022; fall 2022

PS 310 The American Presidency 3 Hours
An examination of the American presidency as a political institution; and the development of the presidential office, its powers and functions.

Recent Term(s) Offered: spring 2022

PS 311 Public Policy 3 Hours
Examines how issues get on the government agenda; how policy decisions are made; who implements policy and how well. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; summer 2020; spring 2021; summer 2021; spring 2022; summer 2022

PS 316 The Legislative Process 3 Hours
A study of legislatures and their role in the American government system. The emphasis is on the U.S. Congress but other legislative bodies are also studied.

Recent Term(s) Offered: fall 2020; fall 2022

PS 320 American Studies I 3 Hours
This course is designed to examine the diverse origins and the decisive elements in the development of American culture. It should also provide a wide appreciation and a greater understanding of the mainstream of American thought. These goals are accomplished through the coordinated application of numerous viewpoints drawn from the contributing disciplines of English, Political Science and History. Note: Permission of instructor. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Equivalent(s): HIST 320

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PS 321 American Studies II 3 Hours
This course is designed to examine the diverse origins and the decisive elements in the development of American culture. It should also provide a wide appreciation and a greater understanding of the mainstream of American thought. These goals are accomplished through the coordinated application of numerous viewpoints drawn from the contributing disciplines of English, Political Science and History. Note: Permission of instructor may be required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

PS 324 Mock Trial I 1.5-3 Hours (repeatable max of 3 hrs)
Introductory study of trial techniques used by lawyers in the courtroom. Students gain an appreciation for courtroom procedure, legal issues and public speaking by taking on the roles of attorneys and witnesses in a fictitious courtroom trial. Note: Permission of instructor.

Prerequisite(s): PS 110

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; fall 2022

PS 325 Mock Trial II 1.5-3 Hours (repeatable max of 3 hrs)
Continuation of study of trial techniques used by lawyers in the courtroom. Students will concentrate on trial strategy, examination of witnesses and the presentation of arguments by taking on the roles of attorneys in a fictitious courtroom trial. Note: Permission of instructor.

Recent Term(s) Offered: spring 2022

PS 326 Constitutional Law 3 Hours
Study and analysis of leading constitutional decisions dealing with judicial review, government powers over domestic and foreign affairs, federalism and the relationships between the functional branches of government.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PS 327 Civil Liberties 3 Hours
Study and analysis of leading constitutional decisions and other materials concerning individual liberties in the U.S.

Recent Term(s) Offered: spring 2020; spring 2022

PS 328 Criminal Justice Procedures 3 Hours
A study of constitutional criminal procedure, principally under the Fourth, Fifth, Sixth, Eighth, Ninth, and Fourteenth Amendments to the U.S. Constitution.

Recent Term(s) Offered: spring 2021

PS 330 Introduction to Political Theory 3 Hours

A survey of the great thinkers and issues of politics which have shaped western civilization. Note: Three hours of Political Science courses or permission of instructor.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PS 331 Politics Outside the Box 3 Hours

Provides insight in the social construction of power by investigating political symbols, characters and argument in popular culture and public policy.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PS 338 Government and Ethics 3 Hours

Course examines ethical issues and controversies emerging from the behavior and decisions of public officials within the American political system. A variety of pedagogical techniques are employed to stimulate and develop ethical thinking, moral reasoning and written and oral communication skills. Note: Permission of instructor.

Recent Term(s) Offered: fall 2020; fall 2021

PS 340 Principals of Public Administration 3 Hours (repeatable max of 9 hrs)

An exploration of theoretical and practical issues related to the administration of public programs, policies and organizations.

Colonnade/Statewide General Education Code K-SY

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2020; fall 2021

PS 350 Political Terrorism 3 Hours

A survey of terrorism, recent trends, organizational structure, negotiations, role of the media, counter terrorism, and the impact on modern democracies.

Recent Term(s) Offered: fall 2021

PS 352 International Relations of the Middle East 3 Hours

Introduction to international relations of Middle East and North Africa from historical, theoretical and contemporary perspectives. Focuses on interstate, regional and transnational relations. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): PS 250 and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: None

PS 355 International Organization and Law 3 Hours

Explores how the behavior of nominally sovereign countries is constrained or otherwise influenced by international law and other efforts to "organize" international relations. International institutions such as the United Nations and the Organization for Security and Cooperation in Europe are examined. Note: Permission of instructor.

Prerequisite(s): PS 250

Recent Term(s) Offered: spring 2021

PS 357 U S Foreign Policy 3 Hours

Analysis of the pattern and process of U.S. foreign policy, particularly in the contemporary era. Includes study of the major internal and external factors, which shape foreign policy decisions. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): PS 110 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; winter 2021; spring 2021; summer 2021; winter 2022; spring 2022; summer 2022

PS 359 Politics of North Korea 3 Hours

Explores the politics and society of North Korea through a blend of scholarly work, news reports, art, propaganda, first-hand accounts, and documentaries.

Recent Term(s) Offered: spring 2022

PS 360 Government and Politics of Britain and Canada 3 Hours

A comparative analysis of the political cultures, institutions and processes of Britain and Canada. Course includes a comprehensive study of the parliamentary executive system and reference to major topical problems. Note: Permission of instructor.

Prerequisite(s): PS 260

Recent Term(s) Offered: None

PS 361 Government and Politics of Western Europe 3 Hours

Structured comparative analysis of various Western European states. Includes an examination of political cultures, institutional organizations, and the policy processes in selected states. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2020; fall 2022

PS 362 Latin American Government and Politics 3 Hours

Basic governmental and political processes in Latin America. Emphasis on social and economic problems, political development, leadership recruitment, political instability and change. Note: Permission of instructor.

Prerequisite(s): PS 260

Recent Term(s) Offered: None

PS 363 Politics of Developing Nations 3 Hours

A study of the political culture, processes and problems of nations that have become independent since World War II.

Recent Term(s) Offered: None

PS 364 Chinese Politics 3 Hours

Exploration of China's domestic and international politics through academic and news sources, first-hand accounts, and documentaries.

Recent Term(s) Offered: None

PS 365 Government and Politics of the Middle East 3 Hours

A comparative analysis of the political culture, institutions and processes of key Middle Eastern states. Focuses on issues of international and geostrategic significance of the region. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2020

PS 366 Government and Politics in East Asia 3 Hours

An analysis of political development in selected east Asian nations, including Japan, Korea, China, Singapore and Thailand. Includes study of the interrelationship between politics, economics and culture primarily in the post-World War II period.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PS 367 Government and Politics of Russia and Eastern Europe 3 Hours

An analysis of government and politics of Russia and Eastern European countries with emphasis on political processes and institutions, political and economic reforms, and the prospects for democratic government.

Colonnade/Statewide General Education Code K-LG

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2021

PS 368 African Government and Politics 3 Hours

Examines sub-Saharan African political and economic development. Focuses on several selected countries and explores the common political and economic problems and opportunities confronting African states. Note: Permission of instructor.

Prerequisite(s): PS 250 and PS 260

Recent Term(s) Offered: None

PS 369 Central European Politics 3 Hours

A comparative analysis of the political culture, institutions and processes of Central European states and an examination of the impact of religion, empire and ideology on the political development of that region.

Colonnade/Statewide General Education Code K-LG

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; spring 2022

PS 370 American Political Parties and Interest Groups 3 Hours

Explores the role that political parties and interest groups play in American politics. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2021

PS 371 Public Opinion and Electoral Behavior 3 Hours

A study of the formation and expression of public opinion, of the attitudes and experiences which influence voting, and of the manner in which public policy is related to opinion and elections.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PS 372 Politics and the Mass Media 3 Hours

A study of the impact of television, newspapers, news magazines, and radio on national political institutions and political processes.

Recent Term(s) Offered: None

PS 373 Minority Politics 3 Hours

A study of the contemporary status and efforts made by African Americans, Hispanics and other minority groups to organize for political action; discusses political and socioeconomic constraints on the development of that power. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PS 374 Women and Politics 3 Hours

An examination of the political, economic and social status of American women from an historical and contemporary perspective; explores issues of concern to women in a political context. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022

PS 375 Fundamentals of Political Campaign Management 3 Hours

Provides students with an orientation to the basic systems and interrelated roles, which must be managed in order to produce electoral victory.

Recent Term(s) Offered: fall 2020; spring 2022; fall 2022

PS 376 Political Management 3 Hours

Applied course with focus on developing skills related to political management including fundraising, issue advocacy and media strategy.

Recent Term(s) Offered: None

PS 377 Politics of the American South 3 Hours

Examination of politics in the American South from the pre-Civil War era to the present. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; winter 2021; spring 2022

PS 400 Selected Topics in American Government 3 Hours (repeatable max of 6 hrs)

Course provides advanced students with an opportunity to analyze important substantive problems and current issues not presently covered by departmental offerings. Note: Permission of instructor may be required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: winter 2020; spring 2020; spring 2021; summer 2022

PS 403 Field Studies in Politics 3 Hours

Course is designed to involve students in practical problems of political research. Students are directed through the design and execution of a major field study.

Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; spring 2021; spring 2022; fall 2022

PS 405 Washington Internship and Academic Seminars 3-6 Hours (repeatable max of 6 hrs)

An individualized internship and/or seminar experience in Washington, D.C. tailored to the student's area of interest. Placement is determined by the department academic advisor in collaboration with Washington professionals. May not be repeated toward major or minor credit.

Recent Term(s) Offered: fall 2021; fall 2022

PS 407 Directed Studies in Government 3 Hours

Allows students to work independently with a specific instructor on an approved topic, issue or political concept/theme. Note: 3.0 grade point average required.

Recent Term(s) Offered: spring 2020; fall 2020; winter 2021; spring 2021; spring 2022; fall 2022

PS 412 Kentucky Government and Politics 3 Hours

A general survey course tracing the government and political development of the state from its constitutional beginning to the present. Primary focus will be on the major factors and issues in the state's political development within the context of the national governmental setting. The course will trace the role and influence of various political and social institutions in the state's political development and their implications for the current political and governmental situation. Note: Permission of instructor.

Recent Term(s) Offered: spring 2020; spring 2022

PS 420 Selected Topics in Public Law 3 Hours (repeatable max of 6 hrs)

Course provides students with the opportunity to analyze important legal questions and current issues related to the field of public law. Note: Permission of instructor.

Recent Term(s) Offered: winter 2020; spring 2020; fall 2021

PS 424 Administrative Law 3 Hours

A study of the development of and trends in administrative law with emphasis on the problems caused by the exercise of quasi legislative and quasi judicial powers by administrative agencies, including the rights, duties and liabilities of public officials, relief against administrative action, jurisdiction, conclusiveness and judicial control. Note: Permission of instructor may be required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

PS 430 Selected Topics in Political Theory 3 Hours (repeatable max of 6 hrs)

Examination of specialized topics in political theory not covered in regular departmental offerings.

Recent Term(s) Offered: None

PS 435 American Political Thought 3 Hours

A study of American political theory from the American Revolution to the present, including issues such as slavery, civil rights, and the meaning of political and economic freedom. Note: Three hours of Political Science courses or Permission of Instructor is required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2021; spring 2022

PS 449 International Political Economy 3 Hours

Explores the role of governments, corporations, non-governmental entities and multilateral institutions in the global economy. Discusses issues of free trade and protectionism, both tariffs and non-tariff barriers to trade. Examines issues of monetary policy in national and international contexts. Note: Permission of instructor.

Prerequisite(s): PS 250 and PS 260

Recent Term(s) Offered: summer 2022

PS 450 Selected Topics in International Relations 3 Hours

Based in a seminar setting, this course facilitates an extensive exploration of particular aspects of international relations in the contemporary world.

Recent Term(s) Offered: summer 2022

PS 457 Theories of War and Peace in International Relations 3 Hours

Explores the various theories of the outbreak, conduct and causes of war and theories of war termination and international peace. Note: Permission of instructor. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; fall 2021

PS 460 Selected Topics in Comparative Politics 3 Hours (repeatable max of 6 hrs)

Based on a seminar setting, this course facilitates an extensive exploration of particular aspects of comparative politics in the contemporary world.

Recent Term(s) Offered: winter 2020; spring 2020; spring 2021; summer 2022

PS 480 Selected Topics in Public Policy 3 Hours (repeatable max of 6 hrs)

Seminar on special topics in public policy and public administration.

Note: Permission of Instructor required.

Recent Term(s) Offered: None

PS 488 Seminar in Political Communication 3 Hours

The role, processes, and effects of communication within the context of politics. This course is required of all Political Communication Certificate students. Note: Permission of instructor may be required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: None

PS 490 Internship in State Government 6 Hours

Evaluation by the academic coordinator and agency supervisors of the intern's performance of assigned agency functions. Interns are full-time employees (40 hr/wk) for the duration of their internship program. Job assignments are made with the mutual consultation and consent of the intern, the agency and the academic coordinator.

Recent Term(s) Offered: spring 2020

PS 491 Research in State Government 3 Hours

Submission of a major research paper by the intern to an academic coordinator. Research is supervised by the academic coordinator in conjunction with the agency supervisor. May deal with assigned agency research function or may be independent of intern's role, but related to the agency need.

Recent Term(s) Offered: spring 2020

PS 492 Kentucky Legislative Processes 3 Hours

Focuses on contemporary problems and processes of the state legislative process. Discusses and analyzes state legislative affairs through discussion of issues by key state government personnel as well as through textbook materials. Note: Acceptance into the Kentucky Legislative Intern Program is required.

Recent Term(s) Offered: spring 2020

PS 493 Issues in Human Resource Management 3 Hours

Focuses on Kentucky public personnel practices; examines the Kentucky merit system in theoretical and applied context; extensive emphasis on practical knowledge and use of State personnel for class lectures and projects.

Recent Term(s) Offered: spring 2020

PS 497 Senior Seminar in International Affairs 3 Hours

A capstone seminar that strengthens students' research, written and oral communication skills in international affairs and engages students and faculty in sustained consideration of significant international issues/questions. Note: Permission of instructor may be required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2020; fall 2021; spring 2022; fall 2022

PS 498 Internship in Public Administration 3 Hours

Designed to provide the student with work experience in a public sector or non-profit agency combined with faculty direction. Note: Permission of the instructor is required.

Recent Term(s) Offered: None

PS 499 Senior Seminar in Government 3 Hours

Integrates concepts and approaches learned during study of government. Engages students and faculty in sustained consideration of significant political issues/questions. Note: Permission of instructor is required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Popular Culture Studies (POP)

POP 201 Introduction to Popular Culture Studies 3 Hours

An interdisciplinary introduction to the major theories and subjects of the study of popular culture. The course offers a range of theoretical and methodological approaches to considering the producers, audiences and meanings of the culture of everyday life in a variety of historical and cultural contexts. Note: Permission of instructor. **Colonnade/Statewide General Education Code E-AH | AH**

Prerequisite(s): (ENG 100 or ENGL 100C)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022; fall 2022

POP 389 Independent Studies in Popular Culture Studies 1-3 Hours
(repeatable max of 3 hrs)

Supervised individual study in a topic or area of Popular Culture Studies that is of particular interest to the student. Note: Requires instructor permission.

Prerequisite(s): POP 201

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; spring 2021

POP 399 Special Topics in Popular Culture Studies 3 Hours
(repeatable max of 6 hrs)

A detailed study of special topics in popular culture studies.

Recent Term(s) Offered: winter 2020

POP 498 Senior Seminar in Popular Culture Studies 1 Hour

A capstone course designed for Popular Culture Studies majors. Under the guidance of a faculty mentor, students will complete a substantial independent research or creative project and share their work with peers in a seminar setting. Note: Permission of instructor and at least 21 credit hours in major required.

Prerequisite(s): POP 201

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021

Potter Coll of Arts & Letters (PCAL)

PCAL 175 Potter College of Arts & Letters University Experience 3 Hours

Transition to the university experience geared towards first year students. Topics include academic skills, critical thinking skills, library education, campus resources, and personal development. Special emphasis on careers and degree programs related to the fields within Potter College of Arts and Letters. Course is restricted to those with majors, including exploratory, within Potter College. Note: For first year or transfer students with fewer than 6 hours credit in declared major.

Recent Term(s) Offered: None

Psychological Sciences (PSYS)

PSYS 100 Introduction to Psychology 3 Hours

An introductory course dealing with principles of behavior, scientific methods of psychology, measurement, learning, perception, motivation, development, personality, abnormal behavior, social behavior, intelligence, and other topics. **Colonnade/Statewide General Education Code E-SB | SB Equivalent(s):** PSY 100

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

PSYS 160 Introduction to Biopsychology 3 Hours

An introductory class emphasizing the contributions of molecular, cellular, physiological, and evolutionary biology to the scientific understanding of psychological processes. Topics include the brain and nervous system, sensation and perception, hormones and behavior, and the interaction of genes and environment. **Colonnade/Statewide General Education Code E-NS | NS**

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

PSYS 161 Introduction to Biopsychology Laboratory 1 Hour

A laboratory class that accompanies an introductory class emphasizing the contributions of molecular, cellular, physiological, and evolutionary biology to the scientific understanding of psychological processes. This class provides hands-on experience in a cross section of techniques used in this area of science. **Colonnade/Statewide General Education Code E-SL | SL**

Prerequisite(s): PSYS 160 (may be taken concurrently)

Recent Term(s) Offered: fall 2022

PSYS 210 Research Methods in Psychology 3 Hours

Introduction to scientific thinking, research design, and research methods in psychology. Includes the nature of scientific explanations, validity, reliability, measurement scales, the rationale underlying hypothesis testing, critical evaluation of scientific evidence presented in journals and popular media, and how to write research reports.

Prerequisite(s): (PSY 100 with a minimum grade of C or PSYC 100C with a minimum grade of C or PSYS 100 with a minimum grade of C or PSYS 160 with a minimum grade of C or Psychology with a score of 3)

Corequisite(s): PSYS 211

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PSYS 211 Research Methods in Psychology Laboratory 1 Hour

Laboratory course to accompany PSYS 210. Laboratory exercises involving research design, methodology, data collection, methods of organizing and presenting data, and research report writing.

Prerequisite(s): (PSY 100 with a minimum grade of C or PSYC 100C with a minimum grade of C or PSYS 100 with a minimum grade of C or PSYS 160 with a minimum grade of C or Psychology with a score of 3)

Corequisite(s): PSYS 210

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PSYS 220 Introduction to Lifespan Developmental Psychology 3 Hours

A general course in developmental psychology covering the entire life span. Included are a description of growth stages, theories of development, and research methods of development. **Colonnade/Statewide General Education Code E-SB | SB**

Equivalent(s): PSY 220

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PSYS 290 Supervised Study in Psychological Sciences 1-3 Hours

(repeatable max of 6 hrs)

Directed readings or research under faculty supervision. Students must make their own arrangements in advance for supervision by a faculty member. Does not count towards completion of the major in Psychological Science.

Prerequisite(s): (PSYS 100 or PSY 100 or PSYS 160)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PSYS 300 Writing in the Psychological Sciences 3 Hours

How to write about research in neural and behavioral science within the discipline and for a lay audience. Includes learning how to write in American Psychological Association (APA) style. **Colonnade/Statewide General Education Code F-W2 | WC**

Prerequisite(s): ENG 200 and (PSYS 160 or PSYS 100 or PSY 100)

Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; spring 2021; spring 2022

PSYS 313 Statistics in Psychology 3 Hours

Methods of organizing, describing, and analyzing psychological data.

Prerequisite(s): (PSY 210 with a minimum grade of C or PSYS 210 with a minimum grade of C) and (PSY 211 with a minimum grade of C or PSYS 211 with a minimum grade of C)

Equivalent(s): PSY 313

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

PSYS 321 Child Developmental Psychology 3 Hours

An introduction to the factors influencing normal psychological development during infancy and childhood. Theories, methodology, and current research in child development, including prenatal, physical, language, cognitive, social, and personality development, are considered.

Prerequisite(s): (PSY 100 or PSYC 100C or PSYS 100 or PSYS 160 or PSYS 220 or PSY 220)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PSYS 322 Laboratory in Developmental Psychology 1 Hour

This course provides a laboratory-based introduction to research in developmental psychology. Students will learn about the unique research designs, methodologies, and ethical concerns related to conducting developmental psychology research. At the same time students will learn some of the major methods used by developmental psychologists through hand-on experience using a variety of research techniques. Note: Permission of instructor may be required.

Prerequisite(s): (PSYS 210 with a minimum grade of C or PSY 201 with a minimum grade of C) and PSYS 321 (may be taken concurrently)

Recent Term(s) Offered: None

PSYS 331 Principles of Human and Animal Learning 3 Hours

Overview of theory and research in human and animal learning, emphasizing classical and instrumental conditioning, aversive conditioning, and comparative psychology. Note: Permission of instructor may be required.

Prerequisite(s): (PSY 210 with a minimum grade of C or PSYS 210 with a minimum grade of C) and (PSY 211 with a minimum grade of C or PSYS 211 with a minimum grade of C)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PSYS 333 Cognitive Psychology 3 Hours

Overview of theory and research in human cognition, with primary emphasis on attention, memory, judgment and decision-making, and problem solving. Cognition in special populations (e.g., elderly, brain-injured, mentally disordered) is also covered. Note: Permission of instructor may be required.

Prerequisite(s): (PSYS 210 with a minimum grade of C or PSY 210 with a minimum grade of C) and (PSYS 211 with a minimum grade of C or PSY 211 with a minimum grade of C)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PSYS 334 Laboratory in Cognition 1 Hour

Laboratory emphasizing experimental design and data collection in cognitive psychology. Note: Permission of instructor may be required.

Prerequisite(s): (PSYS 210 with a minimum grade of C or PSY 210 with a minimum grade of C) and PSYS 333 (may be taken concurrently)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PSYS 350 Social Psychology 3 Hours

A general introduction to social psychology for majors and non-majors in psychology. The psychology of how people think about and relate to others. Topics include love, altruism, aggression, conformity, behavior in groups, leadership, intergroup conflict, prejudice, and persuasion.

Colonnade/Statewide General Education Code K-SC | SB

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Equivalent(s): PSY 350

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

PSYS 353 Psychology of Prejudice and Stereotyping 3 Hours

Presents classic and current social-psychological theory and research in the area of prejudice and stereotyping. You will learn some of the social-cognitive principles by which these phenomena occur, and have the opportunity to apply this learning to your own life. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): (PSYS 100 or PSY 100 or SOCL 100) and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: winter 2020; summer 2020; winter 2021; spring 2021; summer 2021; winter 2022; summer 2022

PSYS 360 Behavioral Neuroscience 3 Hours

An examination of the neurological bases of behavior emphasizing brain processes and structures underlying major psychological constructs such as sensation, learning, emotion, and psychological disorders. Only one of the two courses PSYS 360 and PSYS 362 can be counted towards the Psychological Science major or minor, or the Neuroscience minor.

Note: Permission of instructor may be required.

Prerequisite(s): (PSYS 210 with a minimum grade of C or PSY 210 with a minimum grade of C) and (PSYS 211 with a minimum grade of C or PSY 211 with a minimum grade of C)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PSYS 362 Behavioral Neuroscience with Lab 4 Hours

An examination of the neurological bases of major psychological constructs including lab-based activities such as dissections, physiological recordings and behavioral measures. Open only to psychological science minor/majors and neuroscience minors. Only one of the two courses PSYS 360 and PSYS 362 can be counted towards the Psychological Science major or minor, or the Neuroscience minor. Note: Permission of instructor may be required.

Prerequisite(s): (PSYS 210 with a minimum grade of C or PSY 210 with a minimum grade of C) and (PSYS 211 with a minimum grade of C or PSY 211 with a minimum grade of C)

Restriction(s): Enrollment is limited to students in Neuroscience (434), Psychological Science (440), Psychological Science (747) or Psychological Science (747E)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PSYS 363 Sensory and Perceptual Systems 3 Hours

Examination of human/animal sensory and perceptual systems using neurophysiological and psychophysical methods. Examination of both subcortical and cortical brain functioning. Emphasizes the visual, tactile/haptic, and auditory systems. Note: Permission of instructor may be required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PSYS 365 Laboratory in Behavioral Neuroscience 1 Hour

Laboratory emphasizing neural anatomy and function with an emphasis on the biological bases of behavior.

Prerequisite(s): (PSYS 210 with a minimum grade of C or PSY 210 with a minimum grade of C) and (PSYS 211 with a minimum grade of C or PSY 211 with a minimum grade of C) and PSYS 360 (may be taken concurrently)

Course Fee: \$50

Recent Term(s) Offered: fall 2022

PSYS 370 Industrial / Organizational Psychology 3 Hours

The application of psychological principles and research techniques to organizational topics, such as selection, training, performance appraisal, leadership, teamwork, work stress, and employee attitudes. Note: Permission of instructor may be required.

Prerequisite(s): (PSY 100 or PSYS 100 or PSYC 100C)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PSYS 380 Psychology and Science Fiction 3 Hours

Examination of mind and behavior as portrayed in science fiction. Note: Permission of instructor may be required.

Prerequisite(s): (PSYS 100 or PSY 100)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PSYS 413 Psychological Measurement 3 Hours

The consideration of methodological, theoretical, and ethical problems involved in test construction and use. Topics covered include reliability, validity, and measurement theory.

Prerequisite(s): (PSYS 210 or PSY 210) and (PSYS 211 or PSY 211)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PSYS 415 Programming for Social Sciences 3 Hours

Use a programming language to approach problems faced in the social sciences. Develop programming skill to address issues related to experiments, analyses, and simulations within a social science context.

Prerequisite(s): (PSYS 210 with a minimum grade of C and PSYS 211 with a minimum grade of C) or (PSY 210 with a minimum grade of C and PSY 211 with a minimum grade of C) or SOCL 300 with a minimum grade of C or SOCL 302 with a minimum grade of C or ECON 206 with a minimum grade of C or PS 301 with a minimum grade of C or PS 302 with a minimum grade of C or PH 383 with a minimum grade of C

Recent Term(s) Offered: None

PSYS 423 Psychology of Adult Life and Aging 3 Hours

Psychological processes in adulthood and aging. Emphasis on contemporary theories, methodological issues, and interactions of psychological, biological, social, and environmental factors in adulthood and aging. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

PSYS 424 Topics in Developmental Psychology 3 Hours

A consideration of special topics to acquaint students with theoretical and research issues of particular interest in developmental psychology. May be repeated for credit provided the topic differs. Note: Permission of instructor may be required.

Prerequisite(s): (PSYS 220 or PSY 220) or PSYS 321

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

PSYS 425 Developmental Psychopathology 3 Hours

Examines the interaction between the dynamic processes underlying both normative human development and the development of psychopathology. Theoretical and empirical research will be reviewed, focusing on the psychological science of the principles of adaptation and maladaptation. Note: Permission of instructor may be required.

Prerequisite(s): (PSYS 210 with a minimum grade of C and PSYS 211 with a minimum grade of C) and (PSYS 220 or PSYS 321 or PSYS 440)

Recent Term(s) Offered: spring 2020; spring 2021

PSYS 431 Psychology of Language 3 Hours

Overview of scientific study of human language abilities, with primary emphasis on individual psychological mechanisms. Note: Permission of instructor may be required.

Prerequisite(s): (PSYS 210 with a minimum grade of C or PSY 210 with a minimum grade of C) and (PSYS 211 with a minimum grade of C or PSY 211 with a minimum grade of C)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

PSYS 433 Judgment and Decision Making 3 Hours

Description and analysis of how actual decisions differ from optimal decisions. Survey of judgments under risk and uncertainty and of major topics in judgment research. Note: Permission of instructor may be required.

Prerequisite(s): (PSYS 210 or PSY 210) and (PSYS 211 or PSY 211)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PSYS 440 Abnormal Psychology 3 Hours

Introduction to abnormal psychology emphasizing forms of abnormal behavior, etiology, developmental factors, interpretations, behavioral manifestations and treatment programs. Note: Six hours in psychological science or psychology including one of the prerequisite courses or permission of instructor.

Prerequisite(s): (PSY 100 or PSYC 100C or PSYS 100 or PSYS 160)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Equivalent(s): PSY 440

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PSYS 442 Psychology of Suicide and Self-Injury 3 Hours

Focuses on the study of self-harm behavior, specifically on suicide and self-injury. Topics include theories of suicide, risk and protective factors, assessing and managing suicide risk in clinical settings, treatment for suicidal patients, ethics, nonsuicidal self-injury, the neurobiology of suicide, and prevention and post-vention. Note: Permission of instructor may be required.

Prerequisite(s): PSYS 440 with a minimum grade of C

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2021

PSYS 444 Psychology of Substance Use Disorders 3 Hours

Focuses on the study of substance use disorders, including definitions, psychopharmacology, theories of addiction, and evidence-based assessment and treatment of substance use disorders in clinical and research settings.

Prerequisite(s): (PSYS 100 or PSYS 160)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2021; spring 2022

PSYS 450 Psychology of Personality 3 Hours

Overview of the major theoretical approaches to the study of personality, including historical as well as contemporary theorists, avenues of analysis, and concepts. Note: Permission of instructor may be required.

Prerequisite(s): PSYS 100 (PSY 100 or PSYS 100 or PSYC 100C)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PSYS 451 Psychology of Religion 3 Hours

Study Classical theories and current research in the psychology of religion.

Prerequisite(s): (PSYS 100 or PSY 100 or PSYS 160)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2020; fall 2021

PSYS 453 Psychology of Women 3 Hours

Scientific study of the behavior and mental processes of girls and women. Topics include gender differences and similarities, inclusion of females in psychological research, psychological development of girls and women, sexuality, and mental health issues. Note: Six hours in psychology are required in addition to the prerequisites or permission of instructor.

Prerequisite(s): (PSYS 100 or PSY 100)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PSYS 462 Neuroscience of Learning and Memory 3 Hours

Introduction to the neural basis of learning and memory. Topics include cellular and molecular mechanisms of learning and memory, neural substrates of different learning and memory systems, impairment of learning and memory tied to brain disorders. Note: Instructor permission may be required.

Prerequisite(s): PSYS 210 with a minimum grade of C and PSYS 211 with a minimum grade of C

Recent Term(s) Offered: None

PSYS 463 Evolutionary Psychology 3 Hours

A survey of the research methods and core concepts of evolutionary psychology as they apply to human adaptive problems, including problems of survival, sex and mating, parenting and kinship, and aggression. Note: Permission of instructor may be required.

Prerequisite(s): (PSYS 160 or PSY 100 or PSYC 100C or PSYS 100)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

PSYS 465 Psychopharmacology 3 Hours

Examination of psychoactive drugs and their effects upon the brain and neural mechanisms responsible for mind and behavior. Note: Permission of instructor may be required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; fall 2022

PSYS 473 Training in Business and Industry 3 Hours

An introduction to theories, research and methods of training needs analysis, program design, implementation, and evaluation. Note: Permission of instructor.

Prerequisite(s): (MGT 311 or PSYS 370)

Equivalent(s): MGT 473

Recent Term(s) Offered: fall 2020; fall 2022

PSYS 481 History of Psychology 3 Hours

Overview of major historical developments in psychology and related scientific disciplines, such as medicine, neurophysiology, and physics. Emphasizes developments over the past 500 years. History of the scientific study of human/animal behavior, as well as cognitive, perceptual, and mental functioning. Note: Nine hours in psychological science including the prerequisites or permission of instructor.

Prerequisite(s): (PSYS 100 or PSYC 100C or PSY 100 or PSYS 160)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Equivalent(s): PSY 481

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PSYS 482 Psychology of Sexuality 3 Hours

Prerequisite(s): 21 hours of Foundations and Explorations courses, or junior status. PSY 100 or PSYS 100, or PSY 220 or PSYS 220. Explores psychological, social, emotional, spiritual and cultural aspects of sexuality including sexual development across the life span, consensual and coercive sexual behavior, sex and gender, sexual orientation, sexuality and religious traditions, and sexuality education. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): (PSYS 100 or PSY 100) or (PSYS 220 or PSY 220) and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022

PSYS 490 Independent Study in Psychological Sciences 1-3 Hours

(repeatable max of 9 hrs)

Advanced students will conduct research and/or readings in psychological science under the direction of the faculty. The course may be repeated. No more than six credits will count toward completion of the extended option of the psychological science major, and no more than three credit hours will count toward completion of the non-extended option of the major or the psychological science minor.

Prerequisite(s): (PSYS 100 or PSY 100)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PSYS 499 Senior Seminar in Psychology 3 Hours

Seminar in which major concepts and issues in psychology are considered. Directed reading, guest lectures, field trips, and/or oral reports by students are utilized. Note: 12 hours in psychological science and/or psychology, including PSY 100 or PSYS 100 or PSYS 160 are required.

Prerequisite(s): (PSYS 100 or PSY 100 or PSYS 160 or PSYC 100C)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2022

Psychology (PSY)

PSY 100 Introduction to Psychology 3 Hours

An introductory course dealing with principles of behavior, scientific methods of psychology, measurement, learning, perception, motivation, development, personality, abnormal behavior, social behavior, intelligence, and other topics. **Colonnade/Statewide General Education Code E-SB | SB**

Equivalent(s): PSYS 100

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

PSY 175 University Experience 3 Hours

Transition to university experience. Topics include study skills, library education, exploration of majors and careers, degree programs, campus resources and personal development. Special attention is given to educational requirements, careers and resources in the field of psychology. Note: For beginning college freshmen or transfer students with fewer than 24 semester hours of credit.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Junior, Sophomore or Senior may **not** enroll.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PSY 210 Research Methods in Psychology 3 Hours

Introduction to scientific thinking, research design, and research methods in psychology. Includes the nature of scientific explanations, validity, reliability, measurement scales, the rationale underlying hypothesis testing, critical evaluation of scientific evidence presented in journals and popular media, and how to write research reports.

Prerequisite(s): (PSY 100 with a minimum grade of C or PSYC 100C with a minimum grade of C or PSYS 100 with a minimum grade of C or Psychology with a score of 3)

Corequisite(s): PSY 211

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

PSY 211 Research Methods in Psychology Laboratory 1 Hour

Laboratory course to accompany PSY 210. Laboratory exercises involving research design, methodology, data collection, methods of organizing and presenting data, and research report writing.

Prerequisite(s): (PSY 100 with a minimum grade of C or PSYC 100C with a minimum grade of C or PSYS 100 with a minimum grade of C or Psychology with a score of 3)

Corequisite(s): PSY 210

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

PSY 220 Introduction to Lifespan Developmental Psychology 3 Hours

A general course in developmental psychology covering the entire life span. Included are a description of growth stages, theories of development, and research methods of development. **Colonnade/Statewide General Education Code E-SB | SB**

Equivalent(s): PSYS 220

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

PSY 250 Adjustment and Personal Growth 3 Hours

Individual, social, and cultural determinants of personal growth and healthy life adjustment. Topics include stress and coping, relationships, values, career development, and decision-making. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

PSY 290 Supervised Study in Psychology 1-3 Hours (repeatable max of 6 hrs)

Directed readings or research under faculty supervision. Students must make their own arrangements in advance for supervision by a faculty member. May be repeated for a total of up to six hours with no more than three hours counted in the psychology major.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PSY 299 Selected Topics in Psychology (Seminar) 1-3 Hours (repeatable max of 6 hrs)

Study and discussion focusing on various issues in psychology; topics will vary based on faculty and student interest. May be repeated for a total of up to six hours, with no more than three hours counted in the psychology major.

Prerequisite(s): (PSY 100 or PSYS 100 or PSYC 100C)

Recent Term(s) Offered: winter 2020; winter 2022; summer 2022

PSY 310 Educational Psychology: Development and Learning 3 Hours

A required educational psychology course for students seeking teacher certification. Educational psychology is designed to give the student a thorough understanding of the theories and principles of psychology as applied to teaching and learning. The students will demonstrate knowledge, understanding, and application of theories and principles of development, learning, memory, motivation, individual differences, instruction, classroom management, and measurement and evaluation. PSY 310 may not be counted toward the psychology major or minor. Note: A minimum cumulative GPA of 2.5 is required if the student does not have an ACT of 21 or higher.

Prerequisite(s): ((EDU 250 or MGE 275 or AGED 250 or SMED 101 or SMED 301 or IECE 321 or AMS 329) or permission of instructor)

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

PSY 313 Statistics in Psychology 3 Hours

Methods of organizing, describing, and analyzing psychological data.

Prerequisite(s): (PSY 210 with a minimum grade of C or PSYS 210 with a minimum grade of C) and (PSY 211 with a minimum grade of C or PSYS 211 with a minimum grade of C)

Equivalent(s): PSYS 313

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

PSY 331 Psychology of Learning 3 Hours

Facts and principles of human and animal learning, especially as these have been treated in theories attempting to provide a general framework for understanding what learning is and how it takes place. Note: Permission of instructor may be required.

Prerequisite(s): (PSY 210 (may be taken concurrently) with a minimum grade of C or PSYS 210 with a minimum grade of C) and (PSY 211 (may be taken concurrently) with a minimum grade of C or PSYS 211 with a minimum grade of C)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; fall 2022

PSY 339 Intelligence and Creativity 3 Hours

A survey of the history, theories, nature, measurement, origins in heredity and environment, contemporary research, social influence, and uses and abuses of the concepts of intelligence and creativity.

Prerequisite(s): (PSY 100 or PSYS 100 or PSYC 100C)

Recent Term(s) Offered: None

PSY 340 Sport Psychology 3 Hours

Theory, topics and applications within the field of sport and exercise psychology.

Prerequisite(s): (PSY 100 or PSYS 100 or PSYC 100C)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PSY 346 Foundations of Clinical and Community Behavioral Health 3 Hours

Survey of basic knowledge, skills, and values appropriate for clinical and behavioral health professionals and the agencies, roles and services provided. Field trips to agency sites will be required. Students are responsible for arranging their own transportation.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

PSY 350 Social Psychology 3 Hours

A general introduction to social psychology for majors and non-majors in psychology. The psychology of how people think about and relate to others. Topics include love, altruism, aggression, conformity, behavior in groups, leadership, intergroup conflict, prejudice, and persuasion.

Colonnade/Statewide General Education Code K-SC | SB

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Equivalent(s): PSYS 350

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

PSY 355 Issues in Cross-Cultural Psychology 3 Hours

Examines the impact of culture on major principles, theories, and applications of psychology, including social behavior, gender, communication, development and abnormal psychology. Involves interacting with people from diverse cultural backgrounds.

Prerequisite(s): (PSY 100 or PSYS 100 or PSYC 100C)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

PSY 371 The Psychology of Sales Behavior 3 Hours

This course includes the psychology of consumer behavior and its implications for sales ethics, psychology of the behavior of sales personnel, the psychology and techniques of the sales process, sales motivation advertising psychology, and the psychology of sales management.

Recent Term(s) Offered: fall 2020

PSY 390 Field Experience in Psychology 3-6 Hours (repeatable max of 6 hrs)

Field placement sites are approved based on consistency with the student's academic preparation. Practical work experience in a supervised psychology-related work setting with a cooperating psychology or human services agency, private business, or industry. Psychology 390 may be tanken for 3 hours credit at one time. Only three hours will count toward the psychology major or minor. Students are responsible for arranging their own transportation to designated or assigned sites. Note: 12 hours in psychology and approval of the department and a 2.5 GPA in Psychology required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Enrollment is limited to students in Psychology (438) , Psychology (760) or Psychology- Seeking Admission (760P)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PSY 412 Psychology of Motivation and Emotion 3 Hours

A study of the principal theories of motivation and emotion. Examination of needs, cognition, and social aspects. Includes a critical review of research and application of these theories to human behavior. Note: Permission of instructor may be required.

Prerequisite(s): (PSY 100 or PSYC 100C or PSYS 100)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; winter 2021; spring 2021; summer 2021; winter 2022; spring 2022; summer 2022

PSY 422 Adolescent Psychology 3 Hours

Introduction to behavior and development from early adolescence to adulthood, emphasizing a critical review of research and literature. Either PSY 421 or PSY 422, but not both, may be taken to satisfy requirements of the Psychology major or minor. Note: Permission of instructor may be required.

Prerequisite(s): (PSY 100 or PSYS 100 or PSYC 100C or FACS 191)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Equivalent(s): FACS 422

Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

PSY 432 Psychology of the Gifted and Creative 3 Hours

The course covers identification of gifted children and adults with an emphasis upon the development of educational programs which maximize the development of giftedness. Included will be a critical review of research and literature in the areas of giftedness and creativity. Note: Permission of instructor may be required.

Prerequisite(s): (PSY 100 or PSYS 100 or PSYC 100C)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020

PSY 435 Moral Development and Education 3 Hours

An in-depth study of and reflection upon psychological theories of morality, moral development, moral functioning and current models of moral education and professional identity. Note: Permission of instructor may be required.

Prerequisite(s): (PSY 100 or PSYS 100 or PSYC 100C)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

PSY 436 Applied Cognitive Psychology 3 Hours

This course will focus on the application of empirical cognitive findings to real-world memory tasks, reasoning, and problem-solving. Note: Permission of instructor may be required.

Prerequisite(s): (PSY 210 with a minimum grade of C or PSYS 210 with a minimum grade of C) and (PSY 211 with a minimum grade of C or PSYS 211 with a minimum grade of C)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PSY 440 Abnormal Psychology 3 Hours

Introduction to abnormal psychology emphasizing forms of abnormal behavior, etiology, developmental factors, interpretations, behavioral manifestations and treatment programs. Note: Six hours in psychological science or psychology including one of the prerequisite courses or permission of instructor.

Prerequisite(s): (PSY 100 or PSYC 100C or PSYS 100)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Equivalent(s): PSYS 440

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

PSY 441 Psychological Aspects of Alcoholism 3 Hours

Intensive study of theories and research regarding alcoholism; emphasis on application of psychological theories to the treatment of alcoholism and on psychological research regarding alcoholism. Note: Permission of instructor may be required.

Prerequisite(s): (PSY 100 or PSYS 100 or PSYC 100C) and (PSY 440 or PSYS 440)

Recent Term(s) Offered: None

PSY 442 Beginning Skills in Psychological Interviewing 3 Hours

Paraprofessional skills for conducting structured and unstructured interviews in non-therapy settings. Emphasizes skills development in addition to theoretical material. Note: Permission of instructor may be required.

Prerequisite(s): (PSY 100 or PSYS 100 or PSYC 100C)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2021; spring 2022

PSY 443 Behavior Modification 3 Hours

Introduction to theory and application of behavioral modification techniques. Emphasizes the use of behavior modification in education, child rearing, clinics, and self-modification. Course activities or assignments may require the individual to disclose personal information.

Prerequisite(s): (PSY 100 or PSYC 100C or PSYS 100)

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; winter 2022; spring 2022; summer 2022; fall 2022

PSY 445 Introduction to Clinical and School Psychology 3 Hours

Survey of theories, models, and techniques in clinical and school psychology. Includes emphasis on professional ethics for psychologists.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PSY 470 Psychology and Law 3 Hours

Psychological knowledge that is pertinent to the legal system. Emphasis on how human characteristics and psychological factors influence attitudes, decisions, and behavior throughout the legal process. Note: Permission of instructor may be required.

Prerequisite(s): (PSY 100 or PSYS 100 or PSYC 100C)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

PSY 472 Advanced Forensic Psychology 3 Hours

The course will cover research findings, court cases, and legal policies related to the evaluation and treatment of individuals in various parts of the legal system. Topics such as eyewitness stress, psychopaths, insanity, competency, and prisoner rehabilitation will be covered in the course.

Prerequisite(s): (PSY 210 and PSY 211 and PSY 440 and PSY 470) or permission of instructor

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Enrollment is limited to students in Psychology (760)

Recent Term(s) Offered: None

PSY 481 History of Psychology 3 Hours

Overview of major historical developments in psychology and related scientific disciplines, such as medicine, neurophysiology, and physics. Emphasizes developments over the past 500 years. History of the scientific study of human/animal behavior, as well as cognitive, perceptual, and mental functioning. Note: Nine hours in Psychology, including PSY 100 or PSYS 100 required or permission of instructor.

Prerequisite(s): (PSY 100 or PSYS 100 or PSYC 100C)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Equivalent(s): PSYS 481

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; fall 2022

PSY 490 Research, Readings or Special Projects in Psychology 1-3 Hours (repeatable max of 9 hrs)

Advanced students will conduct research and/or readings or projects concerning issues in psychology under the direction of faculty members. Note: Permission of the faculty project supervisor required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PSY 499 Senior Seminar in Psychology 3 Hours (repeatable max of 6 hrs)

Seminar in which major concepts and issues in psychology are considered. Directed reading, guest lectures, field trips, and/or oral reports by students are utilized. Note: 12 hours in psychology, including PSY 100/PSYS 100 required.

Prerequisite(s): (PSY 100 or PSYS 100 or PSYC 100C)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

Public Health (PH)

PH 100 Personal Health 3 Hours

Examines behaviors and environmental conditions that enhance or hinder an individual's health status. In addition to exploring social and environmental factors, students are encouraged to think critically about behavioral choices that impact ones' health. Students assess their individual behavior in the light of current scientific knowledge concerning mental health; drugs, alcohol and tobacco; health care; selection of health products; prevention of disease; nutrition; exercise, and stress management. **Colonnade/Statewide General Education Code E-SB | SB**
Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

PH 165 Drug Abuse 3 Hours

This course offers an opportunity for the student to explore the drug culture, and both healthful and harmful use of drugs. The scope will include marijuana, hallucinogens, narcotics, stimulants, depressants and volatile chemicals. Pharmacological, psychological and sociological aspects of drug abuse will be studied through individual research, group discussion, lectures and field trips when practical. Equivalent(s): HED 165C.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

PH 261 Foundations of Public Health Education 3 Hours

An introduction to the discipline of health education, including history, theoretical basis, comparison and contrast of work settings, ethics, professional organizations, and perspectives on the future.

Prerequisite(s): PH 100

Recent Term(s) Offered: spring 2020; spring 2021; winter 2022; spring 2022

PH 280 Introduction to Environmental Science 3 Hours

An introductory course devoted to the study of environmental issues.

A general understanding of application of science to solution of contemporary environmental problems. **Colonnade/Statewide General Education Code E-NS | NS**

Equivalent(s): ENV 280

Recent Term(s) Offered: None

PH 365 Human Sexuality 3 Hours

Examines sociological, physiological, and psychological aspects of human sexuality in relation to family life, courtship, marriage, reproduction, education, and aging. Includes information on sexual assault, sexually transmitted infections (STIs), and HIV/AIDS. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

PH 381 Public and Community Health 3 Hours

Study of international, national, state and local health problems, and the governmental, voluntary and private sectors of the health care system. Emphasis is placed upon preventative strategies appropriate for contemporary public health concerns. Note: Permission of instructor may be required.

Prerequisite(s): (PH 261 or PH 100)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

PH 382 Peer Health Education 3 Hours

Admission based upon academic background and interview. Course focuses on health concerns specific to college students with a strong emphasis on alcohol and other drug issues, and methods of addressing these issues through peer health education. Note: Permission of instructor required.

Recent Term(s) Offered: None

PH 383 Biostatistics in the Health Sciences 3 Hours

Introduction to statistical methods, scientific structure of study design, hypothesis formation and verification and study classification. Includes descriptive statistics, data presentation, data sources, questionnaire construction, interviewing techniques and use of computer technology.

Prerequisite(s): MATH 109 or MATH 115 or MATH 116 or MATH 117 or MATH 118 or MATH 119 or MATH 121 or MATH 127 or MATH 136 or MATH 137 or MATH 142 or MATH 183 or MATH 205 or MATH 206 or (MATH 225 or MATH 302) or MATH 237 or MATH 240 or MATH 275 or MATH 295 or MA 109C or MA 115C or MA 116C or MA 117C

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

PH 384 Introduction to Epidemiology 3 Hours

Explores the distribution and determinants of health and diseases, illnesses, injuries, disability, and death in populations. Examines the application of epidemiologic procedures to the understanding of the occurrence and control of conditions such as infectious and chronic diseases, mental disorders, community and environmental health hazards, accidents, and geriatric problems.

Prerequisite(s): PH 383 or MATH 183 or SOCL 300 or PSYS 313 or PSY 313 or STAT 301 or BIOL 382

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

PH 385 Environmental Health 3 Hours

This course examines the environment and its relationship to health status. Areas of emphasis include food protection, air, water and land pollution, hazardous wastes, and noise and radiation hazards.

Prerequisite(s): (BIOL 113 or BIOL 120 or BIOL 122 or BIOL 131 or BIOL 199 or BIOL 207 or BIOL 222 or BIOL 224 or BIOL 226 or BIOL 231 or BIOL 302 or BIOL 312 or BIOL 315 or BIOL 316 or BIOL 317 or BIOL 319 or BIOL 321 or BIOL 324 or BIOL 335 or BIOL 336 or BIOL 344 or BIOL 348 or BIOL 350 or BIOL 372 or BIOL 377 or BIOL 382 or BIOL 390) and (CHEM 101 or CHEM 105 or CHEM 107 or CHEM 109 or CHEM 111 or CHEM 116 or CHEM 120 or CHEM 222 or CHEM 240 or CHEM 304 or CHEM 314 or CHEM 320 or CHEM 330 or CHEM 340 or CHEM 342)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

PH 390 Wellness and Fitness Assessment 3 Hours

Techniques of wellness and fitness assessment, evaluations of various populations including identification of individual health risk factors, and personal goals for cardiovascular health and fitness. Note: CPR certification required.

Prerequisite(s): BIOL 131 and HMD 211

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2020; spring 2022

PH 402 Worksite Health Promotion 3 Hours

Provides specific concepts and skills needed in worksite health promotion using comprehensive health promotion and education techniques. Also discusses policy issues, program planning and special population interactions that are unique to the worksite setting. Note: Instructor permission may be required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PH 410 Global Perspectives on Population Health 3 Hours

Global population health focuses on the health and well-being of entire populations. Populations may be geographically defined, such as neighborhoods, states, or countries, or may be based on groups of individuals who share common characteristics such as age, gender, race-ethnicity, disease status, employee group membership, or socioeconomic status. With roots in epidemiology, public health, and demography, a key component of population health is the focus on the social determinants of health and "upstream" collaborative interventions to improve population health and variance, identify and reduce health disparities, and reduce healthcare costs. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; fall 2020; winter 2021; spring 2021; fall 2021; spring 2022; fall 2022

PH 412 Health Disparities and Health Equity 3 Hours

Health disparities are differences in health outcomes that cannot be solely attributed to genetic or biological differences among populations; instead, they are associated with social, cultural, and economic factors such as income, residence, minority status, or educational attainment. Health disparities are diminished and health equity is achieved when all people have the opportunity to be as healthy as possible despite any social, cultural, or economic differences. Unravelling the multifactorial causes for health disparities and pursuing health equity both require a systems thinking approach. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2022

PH 443 Health and Aging 3 Hours

Examines the multiple factors affecting health of older adults. The course will discuss normal changes in aging and how to promote health of older adults. Students are required to have hands-on field experience. Students are responsible for their own off campus transportation. Note: Permission of instructor may be required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

PH 444 Death, Dying and Bereavement 3 Hours

A study of the universal experience of dying and death, within societal, cultural, philosophical and spiritual contexts, designed to help people make sense of their mortality and the development of coping skills to assist with dealing with the death of loved ones. Note: 3 hours of social or behavioral science courses is required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PH 447 Human Values and the Health Sciences 3 Hours

An analysis of the difficult ethical, legal, and social dilemmas confronting the health care delivery system, patients, medical practitioners and other health care professionals in contemporary American society. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

PH 450 Rural Health and Safety 3 Hours

Students will explore a variety of health and safety issues unique to rural populations. The interdisciplinary team concept will be used throughout the course to foster collaboration that facilitates sharing of the expertise of the students and faculty. One Saturday meeting will be required for a team building activity.

Recent Term(s) Offered: None

PH 456 Independent Study in Health and Safety 1-3 Hours (repeatable max of 6 hrs)

Specific and detailed analysis of practical problem areas in health and safety. Designed specifically for independent study. Note: Permission of instructor is required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; fall 2021; spring 2022

PH 461 Comprehensive School Health Program 3 Hours

Examines the instructional component of a comprehensive school health program. Discusses the role of administrators, teachers, counselors, health service personnel and policy issues in coordinating and evaluating the comprehensive school health program.

Prerequisite(s): PH 381

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; fall 2022

PH 462 Folklore and Medicine 3 Hours

This course examines the role of traditional culture in shaping attitudes and behavior related to sickness, health, and healing. Institutional, alternative, and informal medical settings are discussed. Equivalent(s): FLK 462.

Equivalent(s): FLK 462

Recent Term(s) Offered: None

PH 463 Consumer Health 3 Hours

This course examines the benefits and/or hazards associated with health related products, services and information presently available to the consumer. The methods and techniques of health frauds are analyzed. Emphasis is placed on the development of individual criteria for the potential selection and purchase of health products and services. Field trips may be required.

Prerequisite(s): PH 261

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

PH 464 Women's Health 3 Hours

An analysis of the major health problems of contemporary women, with a special emphasis on health promotion, disease prevention, and consumer health concerns. Note: Permission of instructor is required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

PH 465 Health and Safety in the Elementary School 3 Hours

An exploration of the nature and purpose of school health and safety in the elementary school, including curriculum development, instructional content areas, appraising students health and evaluation.

Prerequisite(s): PH 100

Recent Term(s) Offered: None

PH 467 Drug Abuse Education 3 Hours

A drug abuse education and prevention course designed to provide current and documented information about abused substances. Includes study of the development, implementation and evaluation of drug prevention programs in the home, school, community and workplace. Note: Permission of instructor may be required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

PH 468 Sexuality Education 3 Hours

A critical review of programs designed to promote sexuality education in community and school settings. Forces that impact on the adoption of various curricula and the development of new curricula are examined. Students are taught to utilize scientific and cultural considerations in preparing and adopting curricula for different populations. Note: Permission of instructor may be required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; fall 2022

PH 469 Critical Issues in Health and Safety 3 Hours (repeatable max of 6 hrs)

Analysis of current health problems from both school and community viewpoints. The purpose of the course is to permit in-depth exploration, through research and discussion, of specific local, national and worldwide health and safety problems.

Prerequisite(s): PH 261 and PH 381

Recent Term(s) Offered: None

PH 472 Illicit Drug Policy in the Us 3 Hours

Examination of the illicit drug policy in the United States and its intended and unintended outcomes. Topics include the history of illicit drug policy, current trends in drug policy enforcement, drug use and abuse, and proposed alternative policies. Note: Permission of instructor may be required.

Prerequisite(s): (PH 100 or PH 165)

Recent Term(s) Offered: None

PH 483 Administration of Public Health Programs 3 Hours

Introductory study of the basic principles, theories and practices of public health administration. Emphasis will be placed on the development and organization of health programs from voluntary and official agencies to meet the health needs of the community.

Prerequisite(s): PH 384

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; fall 2022

PH 484 Community Organization for Health Education 3 Hours

Examines the role of the health educator in solving community health problems. Emphasis is placed on appropriate methods and techniques of communication, processes by which a community identifies its needs and the importance of cultural and social factors in community organization and community development. Principles of community organization and planning as a process will be stressed as well as the importance of public health policy. Note: Permission of instructor is required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PH 485 Fundamentals of Public Health Planning 3 Hours

The roles and functions of the community health educator in planning, implementing, and evaluating health education programs.

Prerequisite(s): PH 483

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PH 488 Public Health Senior Seminar 3 Hours

Course allows students to synthesize and apply public health skills and knowledge acquired in their prior coursework to design an action plan to solve a health problem in a selected community. Course will expose students to public health professional preparation skills.

Prerequisite(s): permission of instructor

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in Public Health (521)

Recent Term(s) Offered: None

PH 490 Internship 3-6 Hours (repeatable max of 6 hrs)

Supervised, 400-hour field experience planned with various agencies, organizations, facilities, industries, and businesses with health related missions or programs, and approved by the Department of Public Health. Off-campus travel required, and students are responsible for their own transportation. Note: Permission of instructor is required.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

Public Relations (PR)

PR 255 Fundamentals of Public Relations 3 Hours

Introduction to principles, practices and theory of public relations. Provides basic understanding of role played by PR in society; historical, ethical and sociological foundations of PR; and tasks and functions performed in organizations by those responsible for managing and implementing PR activities. **Colonnade/Statewide General Education Code E-SB | SB**

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

PR 321 Communications Analytics in Public Relations and Advertising 3 Hours

Introduction to practical application of the platforms, tools, data sources, and distribution channels of communications analytics in public relations and advertising.

Prerequisite(s): PR 255 or AD 240 or COMM 212 or permission of instructor

Equivalent(s): AD 321, COMM 321

Recent Term(s) Offered: spring 2021; spring 2022; fall 2022

PR 350 Legal and Ethical Foundations of Strategic Communication 3 Hours

Study of the interconnecting legal and ethical responsibilities relevant to those in public relations, advertising, and related communication contexts.

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022; fall 2022

PR 354 International Public Relations 3 Hours

Issues and processes relating to the practice of international public relations, including international public relations campaign and business styles.

Restriction(s): Enrollment limited to students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore.

Enrollment is limited to students in Corp. Organ. Communication (522), International Affairs (702), News/Editorial Journalism (716), Mass Communication (725), Broadcasting (726), Advertising (727), Photojournalism (750) or Public Relations (763)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PR 356 Digital Tactics in Public Relations 3 Hours

Examines the strategic use of digital and social media platforms and tools for public relations purposes with an emphasis on hands-on experience and skill. Lecture and lab. Note: Permission of instructor.

Prerequisite(s): PR 255 with a minimum grade of C and JOUR 202 with a minimum grade of C

Course Fee: \$45

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PR 358 Public Relations Writing and Production 3 Hours

Writing and production of print and electronic messages to achieve organizational objectives. Includes writing styles appropriate for various media and publication design strategies to achieve public relations goals. Note: Permission of instructor.

Prerequisite(s): PR 255 with a minimum grade of C and JOUR 202 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Public Relations (763)

Course Fee: \$75

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PR 400 Special Topics in Public Relations 3 Hours (repeatable max of 6 hrs)

Various public relations topics not covered specifically in the curriculum. Note: Permission of instructor.

Prerequisite(s): (COMM 200 with a minimum grade of C or ENG 300 with a minimum grade of C)

Restriction(s): Students with a semester level of Freshman may **not** enroll.

Recent Term(s) Offered: fall 2022

PR 415 Study Abroad in Public Relations 3 Hours (repeatable max of 6 hrs)

Public relations and culture in international and cross-cultural locations. Repeatable once for a total of 6 hours.

Recent Term(s) Offered: summer 2022

PR 454 Public Relations Strategy and Planning 3 Hours

Course in conceptualizing, managing, monitoring and implementing specialized programs. Practical guidance and experience in applying logic, implementation and evaluation and development of PR case studies. Actual clients are often used. Note: Permission of instructor.

Prerequisite(s): (AD 300 with a minimum grade of C or COMM 300 with a minimum grade of C or PS 301 with a minimum grade of C or SOCL 302 with a minimum grade of C) and (PR 356 with a minimum grade of C or PR 358 with a minimum grade of C)

Course Fee: \$75

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

PR 456 Public Relations Management 3 Hours

Advanced course in conceptualizing, managing, monitoring and implementing specialized commercial and social programs for corporate, service and government institutions. This capstone PR course involves interaction with actual clients. Note: Permission of instructor.

Prerequisite(s): PR 454 with a minimum grade of C

Restriction(s): Enrollment is limited to students in Public Relations (763)

Course Fee: \$45

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

PR 489 PR Internship or Practicum 3 Hours (repeatable max of 6 hrs)

Prerequisite(s): Permission of instructor. For Public Relations majors only. Professional-quality experience outside or inside the University for a fixed period of time. Follow-up with consist student reports and employer evaluation. Open only to Public Relations majors. Course will be repeatable one for credit (only 3 hours will count for credit toward major).

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Enrollment is limited to students in Public Relations (763)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; summer 2022; fall 2022

PR 495 Study in Public Relations 1-6 Hours

Develops directed research in Public Relations. Students must submit a written petition for faculty approval of the study in the semester prior to enrolling. Note: Permission of instructor.

Prerequisite(s): COMM 200 with a minimum grade of C

Recent Term(s) Offered: None

Real Estate (So Campus) (RE)

RE 170C Essentials of Real Estate 3 Hours

This course is a prerequisite to ALL 100 and 200 level Real Estate courses. A course designed to introduce the student to the economic, social, environmental, governmental and legal setting of real estate in the United States. The unique aspects of real estate as a commodity, an investment medium, and a provider of shelter are discussed. The course explores the many career areas in the real estate industry as well as the informational needs of the homeowner.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

RE 171C Real Estate Brokerage Operation 3 Hours

A course designed to teach the theory and mechanics of real estate brokerage operations. The preparation of the many contracts used in real property transactions is covered. Proficiency is developed in preparing and executing closing statements, applying the fundamentals of advertising and salesmanship to real estate, and understanding the ethical responsibilities of market participants.

Prerequisite(s): RE 170C

Recent Term(s) Offered: fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

RE 172C Real Estate Marketing 3 Hours

Both the theory and practices of real estate market analysis are covered. Market trends and opportunities are studied within the context of the legal, political, physical, aesthetic and ethical constraints and alternatives faced. A variety of approaches are studied including land use, cost benefits, economic base, input, output, compatibility, highest and best use, and property productivity studies.

Prerequisite(s): RE 170C

Recent Term(s) Offered: fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

RE 272C Real Estate Finance 3 Hours

This course examines the various methods of financing real estate transactions from the point of view of lenders, developers, builders, speculators and owners. The institutional structure within which they operate as well as the decision processes of these parties as they choose the form of business entity and negotiate terms and conditions in order to achieve yield objectives within the constraints of acceptable risk levels are studied.

Prerequisite(s): RE 170C

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

RE 273C Real Estate Law 3 Hours

Examines the legal aspects of the real estate business, including brokerage, legal real estate instruments, contracts, and obligations.

Prerequisite(s): RE 170C

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

RE 274C Real Estate Appraisals 3 Hours

This course is designed to introduce the student to the theory and practice of real property valuation. Students will be required to complete a demonstration appraisal report on a residential property. Basic concepts in income capitalization are also studied.

Prerequisite(s): RE 170C

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

RE 275C Property Management 3 Hours

The theory and techniques of real estate resource utilization. Specific applications to various types of property are presented. Topics such as tenant selection, maintenance, landlord-tenant relations, credit and collections, and lease negotiation techniques are included.

Prerequisite(s): RE 170C and RE 172C

Recent Term(s) Offered: None

RE 276C Real Estate Investment Analysis and Management 3 Hours

Application of investment principles and analytical techniques to real property. This course concentrates upon the determination of the financial feasibility of realty investments and the effects of financing, income taxes, and entity selection upon investment profitability.

Concepts of individual and corporate portfolio management are included.
Prerequisite(s): RE 170C and RE 172C and RE 272C

Recent Term(s) Offered: None

RE 278C Internship-Real Estate 3 Hours

A structured internship to provide the advanced student with a practical working learning experience. Note: Permission of instructor required.

Recent Term(s) Offered: spring 2020

RE 280C Advanced Real Estate Appraisal 3 Hours

Principles of income property valuation and analysis of the equity position in real estate investment. Cash-flow analysis, mortgage-equity analysis, the impact of debt restructuring or refinancing, and property sale on value are studied.

Prerequisite(s): RE 170C and RE 274C

Recent Term(s) Offered: None

RE 281C Land Development Process 3 Hours

The development process within the constraints imposed at various levels of government is viewed. The student is taken through the process from idea to post design evaluation. Elements of cost effective and creative land use, design standards, building arrangements, parking and street design are studied.

Prerequisite(s): RE 170C and RE 172C and RE 272C and RE 276C

Recent Term(s) Offered: None

Recreation (REC)

REC 200 Recreation in Society 3 Hours

Introduces the student to recreation, parks and leisure history, philosophical concepts, and trends with attention to recreation sectors and employment opportunities. **Colonnade/Statewide General Education**

Code E-SB | SB

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

REC 220 Understanding the Nonprofit Sector 3 Hours

Survey of nonprofit organizations emphasizing: history, ethics, personnel and volunteer management, human development, program development, risk management, customer service, and career development.

Recent Term(s) Offered: fall 2020; winter 2021; fall 2021; fall 2022

REC 222 Recreation Activity Facilitation 3 Hours

Materials and techniques for planning, implementing, leading, and evaluating recreation activities for groups of various sizes, ages, and abilities in a variety of social recreation and leisure settings.

Recent Term(s) Offered: None

REC 235 Outdoor Recreation Activities 3 Hours

To acquaint the student with basic outdoor recreation activities and related environmental practices. A variety of outdoor experiences are conducted in classroom and laboratory settings. Environmental values and impact considerations of outdoor experiences are emphasized throughout the course.

Course Fee: \$20

Recent Term(s) Offered: spring 2021; spring 2022

REC 302 Recreation Leadership 3 Hours

Leadership in recreation with emphasis placed on history, theory, decision-making, group management, communication and motivation. Course will facilitate leadership experiences.

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022; fall 2022

REC 304 Technology in Evaluation 3 Hours

Utilization of technology and computer software to assist with creating instruments, analyzing data, and reporting results from recreation needs assessments and program evaluation.

Recent Term(s) Offered: None

REC 306 Experience Planning and Evaluation 3 Hours

Methodologies, skills and materials needed for designing, planning, implementing and evaluating meaningful experiences and programs for diverse populations in multiple settings. Includes the application of concepts and theories and an exploration of recreation and experience industry trends.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

REC 320 Professional Development in Recreation 3 Hours

Career development, current problems, trends and issues in recreation services.

Prerequisite(s): REC 200

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

REC 326 Church Recreation 3 Hours

Recreation programming in religious organizations with emphasis placed on recreation delivery systems, event scheduling, interest and talent surveys, church facilities and church recreation committees.

Recent Term(s) Offered: None

REC 328 Inclusive Recreation 3 Hours

Application of outcome-based recreational experience development, which embraces personal and cultural dimensions of diversity. Emphasis on facilitating programs for individuals who have differing physical and mental abilities, ages, genders, ethnicities, and cultural values.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

REC 330 Foundations of Outdoor Recreation 3 Hours

Outdoor recreation programming and resources including relevant history, philosophy, legislation, geographic factors, land use, standards, agencies and economics. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

REC 332 Outdoor Education 3 Hours

Overview of outdoor education concepts including the utilization of natural environments and resources and techniques to facilitate learning experiences. Students are responsible for their own transportation to off-campus meetings.

Recent Term(s) Offered: fall 2020; spring 2022

REC 335 Outdoor Skills-Land 3 Hours

Skill development in outdoor recreation land-based activities (camping, land navigation and backpacking) and related environmental practices. Overnight field trips required. Students are responsible for their own transportation to off-campus meetings. University transportation provided when possible.

Course Fee: \$150

Recent Term(s) Offered: None

REC 337 Outdoor Skills-Water 3 Hours

Skill development in outdoor recreation water-based activities (canoeing and kayaking) and related environmental practices. Focuses on outdoor leadership development. Overnight, multi-day camping required. Students are responsible for their own transportation to off-campus meetings. University transportation provided when possible.

Course Fee: \$180

Recent Term(s) Offered: None

REC 338 Parks, Recreation, and Quality of Life 3 Hours

An interdisciplinary approach to studying the relationship between access to parks and other natural environments, recreation, and quality of life. Investigates issues of responsibility, conservation, wellness, and social equity in a variety of local and global contexts. Students may be responsible for travel to off-campus locations. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

REC 402 Fiscal Practices in Recreation 3 Hours

Financial principles and practices relevant in recreation settings. Topics include economic principles, financial management and organization, income sources, fundraising, pricing and budgeting.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; spring 2022

REC 404 Recreation Facility Management 3 Hours

A practical orientation to management for a variety of recreation facilities.

Recent Term(s) Offered: None

REC 406 Recreation Administration 3 Hours

Recreation administration with emphasis on personnel, planning, facilities, legal issues and public relations.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

REC 420 Recreation and Tourism 3 Hours

A focused examination of recreation and tourism with particular attention to business principles, trends, and job opportunities. The relationships between recreation, events, and tourism serves as a key framework.

Colonnade/Statewide General Education Code K-SY

Recent Term(s) Offered: fall 2020; summer 2021; fall 2021; winter 2022; summer 2022; fall 2022

REC 422 Campus Recreation 3 Hours

Campus recreation administration with emphasis on facility management and program delivery formats including recreational sports, fitness, wellness, outdoor adventure and university center programs. Field experience is required.

Recent Term(s) Offered: spring 2021

REC 424 Camp and Retreat Center Administration 3 Hours

Organization and administration of camp and retreat center programs and facilities including history, trends, staffing, client needs, finance, marketing, and legal issues.

Recent Term(s) Offered: None

REC 426 Facility Planning and Design 3 Hours

Facility planning and design process with emphasis on the unique features of many different areas and types of facilities. Field experiences required. Students are responsible for their own transportation to off-campus meetings. University transportation provided when possible.

Recent Term(s) Offered: winter 2020; winter 2021; winter 2022

REC 428 Community Centers and Playgrounds 3 Hours

An intensive investigation of playground and community center operations.

Recent Term(s) Offered: None

REC 430 Recreation Resource Management 3 Hours

Multi-use natural resource management concepts, issues in resource management and the synthesis of concepts, and practical knowledge into real and simulated applications of land use and environmental problems related to the leisure service industry. Field trips required. Students are responsible for their own transportation to off-campus meetings. University transportation provided when possible.

Recent Term(s) Offered: spring 2021

REC 434 Interpreting America's National Parks 3 Hours

Explores interpretive approaches to natural, cultural, and historical resources in national parks and other leisure settings. Emphasizes evolution of the national park system. Students are responsible for their own transportation to off-campus meetings. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; summer 2021; fall 2021; summer 2022

REC 435 Outdoor Experience Planning 3 Hours

Principles and techniques for planning, designing, implementing and evaluating outdoor trips and experiences. Students are responsible for providing their own transportation to off-campus meetings.

Recent Term(s) Offered: None

REC 437 Outdoor Leadership Expedition 3 Hours

Outdoor Leadership capstone course involving a backcountry expedition, leadership development and teaching techniques. Successful students will receive the Wilderness Education Association Outdoor Leader Certification. Overnight extended field trips required. Students are responsible for their own transportation to off-campus meetings. University transportation provided when possible.

Prerequisite(s): REC 435 (may be taken concurrently) and REC 335 and REC 337

Course Fee: \$500

Recent Term(s) Offered: None

REC 439 Challenge Course Facilitation 3 Hours

Understanding and applying experiential education theory in individual and group settings. Focus is on designing and facilitating safe and effective low and high challenge course experiences that incorporate personal growth, critical reflection, and skills in problem-solving, decision-making, and team building. Recommended industry standards are followed. Field experience required. Students are responsible for their own transportation to off campus meetings.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Course Fee: \$30

Recent Term(s) Offered: spring 2020; fall 2021

REC 460 Grant Writing for Nonprofit Organizations 3 Hours

Thorough investigation of the grant writing process and the application of related skills. Includes how to research, identify, plan, organize, write and submit grants.

Prerequisite(s): ENG 300

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

REC 480 Travel-Based Learning in Recreation and Tourism 1-3 Hours
(repeatable max of 9 hrs)

Experiential exploration of recreation and tourism topics taught in a travel-based learning environment (international or domestic location).

Recent Term(s) Offered: winter 2020; fall 2021; fall 2022

REC 482 Recreation Workshop 1-3 Hours (repeatable max of 9 hrs)

A study of special areas relating to the recreational profession. May be experimental in nature or may follow a traditional class format. Field experiences and/or study at extended campus locations are usually required.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

REC 484 Advanced Studies in Recreation 3 Hours

Specific and detailed analysis of issues in recreation. Incorporates individualized instruction between student and faculty.

Recent Term(s) Offered: spring 2020; spring 2022

REC 490 Internship in Recreation 3-12 Hours (repeatable max of 15 hrs)

Experience in recreation planning, leadership, supervision, and program evaluation through work in recreation, park, and other leisure oriented settings. This in-service experience is supervised and controlled by the University faculty members and personnel from area recreation agencies.

Prerequisite(s): REC 402 and REC 404 and REC 406

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022

REC 493 Recreation Practicum 3 Hours (repeatable max of 6 hrs)

Cooperative field experiences in approved recreation settings where students obtain professional administrative and/or programming experience with agency and faculty supervision. This course may require off-campus travel. Repeatable up to 6 hours of credit.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

REC 494 Nonprofit Administration Conference 1 Hour (repeatable max of 3 hrs)

Focuses on developing nonprofit professionals. Conference activities such as workshops, case studies, speakers, and a career fair facilitate networking with students and nonprofit executives. This course requires off-campus travel. Students are responsible for conference and travel costs.

Prerequisite(s): REC 220

Recent Term(s) Offered: None

REC 496 Nonprofit Internship 3-6 Hours (repeatable max of 6 hrs)

A cooperative field experience in an approved nonprofit setting where the student obtains pre-professional administrative and/or programming experience with agency and faculty supervision. This course requires off-campus travel. Note: 12 hours of minor coursework or instructor permission required

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

Religious Studies (RELS)

RELS 100 The New Testament 3 Hours

An introduction to the historical, literary, and cultural approaches to the New Testament with a view toward understanding and interpretation.

Colonnade/Statewide General Education Code E-AH | AH

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

RELS 101 The Old Testament/ Hebrew Scriptures 3 Hours

An introduction to the historical, literary, and cultural approaches to the Hebrew Bible (Old Testament) with a view toward understanding and interpretation. **Colonnade/Statewide General Education Code E-AH | AH**
Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; fall 2022

RELS 102 World Religions 3 Hours

An introduction to the study of religion from Western and non-Western cultures. The course surveys and critiques definitions of religion and examines topics such as the historical, social, psychological, and ethical implications of a number of religious traditions. **Colonnade/Statewide General Education Code E-AH | AH**
Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

RELS 103 Religions of Asia 3 Hours

Introduction to the history, doctrines, and practices of the major religions of India, China and Japan.
Recent Term(s) Offered: spring 2021

RELS 150 Elementary Latin 3 Hours

No course description is available
Recent Term(s) Offered: None

RELS 151 Elementary Latin (Continued) 3 Hours

No course description is available. Fulfills World Language with a grade of C or better.

Prerequisite(s): High School 2 years Latin
Recent Term(s) Offered: None

RELS 152 Biblical Languages I: Introductory Hebrew 3 Hours

A study of the vocabulary, grammar, and syntax of Biblical Hebrew. May be taken either as a foreign language course or as a RELS elective.
Equivalent(s): BLNG 152
Recent Term(s) Offered: fall 2022

RELS 153 Biblical Languages II: Intermediate Hebrew 3 Hours

Further development of an understanding of the fundamentals of the Hebrew language with special attention to the reading of selected portions of the Old Testament. May be taken either as a foreign language course or as a RELS elective. Fulfills World Language with a grade of C or better.

Prerequisite(s): (RELS 152 or High School 2 years Hebrew)
Recent Term(s) Offered: None

RELS 154 Biblical Languages III: Introductory Greek 3 Hours

A study of the vocabulary, grammar, and syntax of Koine Greek. May be taken either as a foreign language course or as a RELS elective.
Equivalent(s): BLNG 154
Recent Term(s) Offered: fall 2020

RELS 155 Biblical Languages IV: Intermediate Greek 3 Hours

Further development of an understanding of Koine Greek with readings in the New Testament and Hellenistic literature. May be taken either as a foreign language course or as a RELS elective. Fulfills World Language with a grade of C or better.

Prerequisite(s): (RELS 154 or High School 2 years Greek)
Equivalent(s): BLNG 155
Recent Term(s) Offered: spring 2021

RELS 156 Introductory Pali I 3 Hours

A study of the grammar, syntax, and vocabulary of the Pali language with a stress on reading primary textual material from a variety of Pali sources. May be taken as a RELS elective.
Recent Term(s) Offered: None

RELS 157 Pali II 3 Hours

Further study of the grammar, syntax, and vocabulary of the Pali language with a stress on reading a wide variety of canonical, commentarial, and post-canonical texts. May be taken as a RELS elective. Fulfills World Language with a grade of C or better.
Recent Term(s) Offered: None

RELS 200 World Religious Literature 3 Hours

Introductory study of multiple genres of religious literature or literature with strong religious themes. Texts come from various religions, cultures, and time periods. **Colonnade/Statewide General Education Code F-AH | AH**
Prerequisite(s): (ENG 100 or ENG 100E)
Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021

RELS 202 Racial Justice 3 Hours

An examination of (1) the major perspective that came together to form the civil rights movement of the 1950s and 1960s; (2) the accomplishments and failures of that movement; and (3) the issues of racial justice that remain today. **Colonnade/Statewide General Education Code SB**
Equivalent(s): PHIL 202
Recent Term(s) Offered: None

RELS 211 Jesus in Film 3 Hours

A study of the production and reception of films about Jesus, similarities and differences with canonical and extracanonical Gospels, and popular and critical reactions. **Colonnade/Statewide General Education Code K-SC**
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022

RELS 222 Christians, Jews, and Pagans in the Greco-Roman World 3 Hours

A study of debates among ancient Pagans, Jews, and Christians by engaging texts written by each group in defense of themselves and in opposition to each other. **Colonnade/Statewide General Education Code K-SC**
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: None

RELS 242 The Meaning of Life; Atheism to Zen 3 Hours

Survey of global theories on the meaning of life. **Colonnade/Statewide General Education Code K-LG**
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022; fall 2022

RELS 300 The Life of Jesus 3 Hours

An investigation of the nature, content, and major interpretations of the sources for the life and teachings of Jesus.
Recent Term(s) Offered: None

RELS 301 Life and Teachings of Paul 3 Hours

A study of the life and thought of Paul in its historical and cultural setting; concentration on the principal themes in Pauline thought which have been influential in Christian tradition.

Recent Term(s) Offered: None

RELS 302 Buddhism 3 Hours

Introduction to the history, fundamental doctrines, and practices of the three main Buddhist traditions (Theravada, Mahayana, Vajrayana) in their global contexts. **Colonnade/Statewide General Education Code K-LG**
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021

RELS 303 Hinduism 3 Hours

A study of the central beliefs, ethical practices, symbols, and institutions of the Hindu traditions, examining patterns of their unity, diversity, and encounter with modernity.

Recent Term(s) Offered: fall 2020

RELS 304 Judaism 3 Hours

A survey of Jewish religious traditions, Jewish history and literature from the Greco-Roman period to the present.

Recent Term(s) Offered: fall 2020

RELS 305 Christianity 3 Hours

Overview of ideas drawn from the history of Christianity, including major intellectual developments behind its global character. **Colonnade/Statewide General Education Code K-SC | AH**

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

RELS 306 Islam 3 Hours

Terminology, history, social institutions, beliefs, rituals, ethical systems, and world views associated with the religious tradition of Islam. Examination of the West's views of Islam and Islamic views of the West.

Colonnade/Statewide General Education Code K-LG

Recent Term(s) Offered: spring 2020; summer 2020; spring 2022; summer 2022; fall 2022

RELS 309 Global Christianity 3 Hours

The study of Christianity in Africa, Asia and Latin America. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; spring 2021

RELS 311 The Qur'an 3 Hours

An introduction to the Qur'an and its contemporary and historical roles in the lives of Muslims as well as in their societies and cultures.

Recent Term(s) Offered: None

RELS 312 Ancient Near East Texts 3 Hours

The course surveys a broad number of ancient Mesopotamian and other Western Asian genres of literature which shed light upon the literary remains of Israel found in the Hebrew Scriptures. Included are cosmologies, cosmogonies, flood narratives, prophecies, historical annals which deal with the kings of Israel and Judah, wisdom literature, theodicy, omen texts and others.

Recent Term(s) Offered: None

RELS 313 Islamic Texts and Literature 3 Hours

An exploration of Islamic texts and literature, including the Qur'an, hadith, poetry, and fiction

Recent Term(s) Offered: None

RELS 314 The Making of the Bible 3 Hours

An investigation into the material, historical, and political processes behind the making of the Jewish and Christian Bibles in antiquity. The course engages the scriptures excluded from the canon as well as early synagogue and church leaders' arguments concerning canonicity.

Recent Term(s) Offered: None

RELS 315 Philosophy of Religion 3 Hours

A systematic study of such problems as the nature and existence of God, the relation of faith and reason, human nature and destiny, immortality, evil, and the problem of religious language. Note: One course in philosophy or religious studies is required.

Equivalent(s): PHIL 315

Recent Term(s) Offered: spring 2020

RELS 317 Confucianism 3 Hours

A survey of the evolution of Confucian thought, from the ethical and ritual considerations of Confucius, through the scholastic self-cultivation of Zhu Xi, to the ecological and gender concerns of modern New Confucians. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; spring 2022

RELS 318 Daoism 3 Hours

Survey of classical texts of Daoism, including an examination of the role of these texts in the development of Daoist thought and practice.

Colonnade/Statewide General Education Code K-SC

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2020; fall 2022

RELS 319 Religions of Asia 3 Hours (repeatable max of 6 hrs)

Introduction to the history, doctrines, and practices through a regional focus of Asian religions.

Prerequisite(s): RELS 102 with a minimum grade of C

Recent Term(s) Offered: None

RELS 320 Religions of the Middle East 3 Hours

A thematic study of Judaism, Eastern Christianity, and Islam as these religions are practiced in Middle Eastern societies today. There is a focus on the concept of sacred place and on the ways in which this concept links the ancient past of the tradition with its modern expression.

Recent Term(s) Offered: None

RELS 322 Pilgrimage, Islam and Modernity 3 Hours

An exploration of Islamic pilgrimage, including the use of technology in modern pilgrimage practices. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2021

RELS 323 Social Ethics 3 Hours

Perspectives and issues involved in the public pursuit of justice in a religiously and philosophically diverse society. One short field trip. Note: One course in Religious Studies or Philosophy or junior status is required.

Colonnade/Statewide General Education Code K-SC | AH

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Equivalent(s): PHIL 323

Recent Term(s) Offered: spring 2021

RELS 324 Christianity in Africa 3 Hours

The development of Christianity in Africa from the first century to the present, with special emphasis on the post-colonial period.

Recent Term(s) Offered: None

RELS 325 Religion in Contemporary America 3 Hours

A study of the ways religion is understood and expressed by varying segments of American society.

Recent Term(s) Offered: None

RELS 326 Second Temple Judaism 3 Hours

Introduction to the history, literature, and religion of the Jewish people from the beginning of the Persian period (mid-6th c. B.C.) to the Bar Kokhba Revolt (132-135 A.D.)

Recent Term(s) Offered: None

RELS 330 Religion in the American South 3 Hours

Survey of the religious cultures of the American South from the colonial period to the present. The course will look at a variety of religious expressions in institutional life, thought, literature, and music.

Recent Term(s) Offered: None

RELS 331 Islam in America: Hope & Hip Hop 3 Hours

An exploration of Islam in America beginning with the 16th century and continuing to the present day. **Colonnade/Statewide General Education Code K-SC**

Recent Term(s) Offered: fall 2020; spring 2022

RELS 333 Women and Religion 3 Hours

The examination of ideas and roles of women in local and global religious traditions, societies and cultures. **Colonnade/Statewide General Education Code K-SC**

Recent Term(s) Offered: spring 2021; spring 2022

RELS 335 Islam, Sexuality, and Gender 3 Hours

This course examines sexuality and gender in Islamic theology, history, and contemporary societies. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): RELS 102 with a minimum grade of C and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: None

RELS 340 Popular Culture and the Religious Marketplace 3 Hours

A study of religious products and the expression of religious themes in different types of popular media. **Colonnade/Statewide General Education Code K-LG**

Recent Term(s) Offered: fall 2021

RELS 341 Religion and the Environment 3 Hours

Examines different world religions' beliefs about the environment as well as their adherents' attitudes and actions concerning climate change and other issues. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; fall 2020; spring 2022; fall 2022

RELS 399 Study Abroad 3 Hours (repeatable max of 18 hrs)

Supervised study of religion in a study abroad program. May be repeated for different study abroad locations.

Recent Term(s) Offered: None

RELS 401 Religious Studies Seminar 3 Hours

A seminar with rotating topics designed primarily for advanced students in religious studies. May be repeated for different topics. Note: One course in religious studies or permission of instructor is required.

Recent Term(s) Offered: spring 2021

RELS 426 The Dead Sea Scrolls 3 Hours

Introduction to the discovery, authentication, contents, and main ideas of the Dead Sea Scrolls; the community that produced them; the controversies that have surrounded them; and the archaeology of the nearby ruins. Note: One course in Religious Studies or permission of instructor is required.

Recent Term(s) Offered: None

RELS 430 Christianity to 1517 3 Hours

An investigation of the development of Christian thought and institutions from the first century of the Church until the Reformation. Note: One course in religious studies or permission of instructor is required.

Recent Term(s) Offered: None

RELS 431 Christianity from 1517 to the Present 3 Hours

An investigation of the development of Christian thought and institutions from the beginning of the Reformation to the present. Note: One course in religious studies or permission of instructor is required.

Recent Term(s) Offered: None

RELS 455 Saints, Monsters and Superheroes 3 Hours

A study of different characters and archetypes in religious traditions around the world. **Colonnade/Statewide General Education Code K-LG**

Recent Term(s) Offered: fall 2020

RELS 496 Senior Seminar 1 Hour

A capstone course designed for senior religious studies majors. Students will complete projects that demonstrate their research, writing, and analytical skills.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in Religious Studies (769)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; spring 2022; fall 2022

RELS 499 Research in Religious Studies 3 Hours (repeatable max of 30 hrs)

Directed study and research in one area of religious studies. Note: Open only to religion majors with a 3.0 grade point average in their senior year.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Students cannot enroll who are in Religious Studies (769)

Recent Term(s) Offered: spring 2020; fall 2021

Russian (RUSS)

RUSS 101 Elementary Russian I 3 Hours

A beginning course designed to teach the four language skills of understanding, speaking, reading and writing, with emphasis on understanding and speaking.

Recent Term(s) Offered: winter 2020; fall 2020; winter 2021; fall 2021; fall 2022

RUSS 102 Elementary Russian II 3 Hours

Further development of the four language skills. Fulfills World Language with a grade of C or better.

Prerequisite(s): (RUSS 101 or High School 2 years Russian)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

RUSS 201 Intermediate Russian I 3 Hours

Expansion of communication skills in increasingly complex and varied situations. Emphasis on conversational speaking, presentational writing and speaking, and understanding culturally specific texts and media. Fulfills World Language with a grade of C or better.

Prerequisite(s): RUSS 102

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

RUSS 202 Intermediate Russian II 3 Hours

Continued expansion of interpersonal communication skills at the intermediate level. Emphasis on increasing comprehension, the building of vocabulary, and on presentational modes of speaking and writing.

Prerequisite(s): RUSS 201

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

Safety (SFTY)

SFTY 171 Safety and First Aid 1 Hour

The course is designed to prepare students to provide immediate and temporary care in emergency situations involving accidents or sudden illness. The symptoms and appropriate first aid for shock, wounds, heart problems, fractures, heat and cold injuries, poisons, and proper methods of transportation will be covered. The course is applicable to all students, especially those pursuing a teaching career where they will be responsible for other students entrusted to their supervision and care.

Course Fee: \$10

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SFTY 270 General Safety 3 Hours

Introduction to the history of safety in America. Examines steps involved in analyzing the causes and prevention of accidents. Emphasizes programs designed to educate the student in general safety concepts and principles, and an overview of statistical analysis, theories, and models used in hazard pre-planning and post-incident analysis and/or mitigation. Major topics include traffic, home, recreational, fire, and occupational safety.

Recent Term(s) Offered: None

SFTY 271 Emergency Care and Transportation 6 Hours

Students will learn how to evaluate, provide emergency care, and properly move and transport ill or injured people utilizing equipment available in an ambulance. Successful completion of this course and a skills evaluation leads to certification as an Emergency Medical Technician (EMT).

Recent Term(s) Offered: None

School of Engineering and Applied Science (SEAS)

SEAS 101 Introductory SEAS Research 1-6 Hours

An introduction to research projects and problem-solving techniques in various SEAS fields. Note: Enrollment in a program of study within the Architectural and Manufacturing Sciences Department or consent of instructor required.

Recent Term(s) Offered: spring 2022; fall 2022

SEAS 175 Freshmen Experience I 1 Hour

For beginning college freshmen or transfer students with fewer than 24 semester hours of credit. Transition to university experience for School of Engineering and Applied Sciences (SEAS) students. Topics include time management skills, critical thinking, exploration of SEAS majors and careers, campus resources, effective teamwork skills, and an introduction to the design process and project management.

Restriction(s): Students with a semester level of Junior, Sophomore or Senior may **not** enroll.

Enrollment is limited to students in Land Surveying (1700), Floodplain Management (1763), Manufacturing Engineering Tech (5006), Engineering Technology Mgmt (5007), Architectural Science (518), Construction Management (533), Civil Engineering (534), Civil Engineering-Prep (534P), Electrical Engineering (537), Electrical Engineering-Prep (537P), Mechanical Engineering (543), Mechanical Engineering-Prep (543P), Computer Information Tech (555), Computer Information Tech-prep (555P), Computer Science (629) or Computer Science-Prep (629P)

Recent Term(s) Offered: fall 2021

SEAS 176 Freshmen Experience II 1 Hour

A continuation of SEAS 175. This course will focus on the application of introductory project management and design skills in a teamwork environment.

Prerequisite(s): SEAS 175

Restriction(s): Students with a semester level of Junior, Sophomore or Senior may **not** enroll.

Enrollment is limited to students in Land Surveying (1700), Floodplain Management (1763), Manufacturing Engineering Tech (5006), Engineering Technology Mgmt (5007), Architectural Science (518), Construction Management (533), Civil Engineering (534), Civil Engineering-Prep (534P), Electrical Engineering (537), Electrical Engineering-Prep (537P), Mechanical Engineering (543), Mechanical Engineering-Prep (543P), Computer Information Tech (555), Computer Information Tech-prep (555P), Computer Science (629) or Computer Science-Prep (629P)

Recent Term(s) Offered: None

SEAS 210 Technology and Societal Impact 3 Hours

A study of technology and the west through Great Britain's Industrial Revolution (c. 1850) and the expansion and diffusion of Western Industrial Technology (c. 1850 to present).

Recent Term(s) Offered: None

SEAS 271 Industrial Statistics 3 Hours

A study of statistical techniques typically used in industry for purposes of Statistical Process Control, material science research, and system planning and operation.

Prerequisite(s): (MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C) or (MATH 117 or MA 117C) or MATH 118 or MATH 119 or MATH 127 or MATH 121 or MATH 136 or MATH 137 or MATH 142 or MATH 206 or MATH 237 or MATH 240 or MATH 275 or MATH 304 or MATH 305 or MATH 306

Recent Term(s) Offered: fall 2022

SEAS 310 Safety in Industry 3 Hours

Safety and management techniques necessary to address the unique interaction of how industrial issues relate to safety in the workplace will be identified and regulated. This includes a study of applicable standards and methods of recognition, avoidance and prevention of potential hazards. Students will have to opportunity to complete Occupational Safety and Health Administration (OSHA) 30-hour safety training certification. The certification will be in either Construction or General Industry.

Prerequisite(s): (MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C) or (MATH 117 or MA 117C or MATH 118 or MATH 119 or MATH 127 or MATH 121 or MATH 136 or MATH 137 or MATH 142 or MATH 206 or MATH 237 or MATH 240 or MATH 304 or MATH 305 or MATH 306)

Recent Term(s) Offered: fall 2022

SEAS 325 Survey of Building Systems 3 Hours

A study of National Electric Code, BOCA National Building Code, Standard Building Code, Local Building Code, structural systems, egress system, residential and commercial wiring, blueprint reading, HVAC, and energy conservation techniques.

Prerequisite(s): AS 163 and (CM 261 or CE 303) and (MATH 117 or MA 117C)

Course Fee: \$35

Recent Term(s) Offered: fall 2021; spring 2022; summer 2022; fall 2022

SEAS 367 Supervised Work Experience in Industry 1-6 Hours (repeatable max of 6 hrs)

Supervised employment in industry. Written reports required. Note: Advisor approval required.

Recent Term(s) Offered: fall 2021; spring 2022; summer 2022; fall 2022

SEAS 368 Problem Solving 3 Hours

An application oriented introduction to basic analytical tools for the solution of practical industrial problems. Focusing on developing qualitative and quantitative literacy and analytic skills, the emphasis will be on data analysis, graphics and simple experiments applied to real problems. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: None

SEAS 371 Quality Assurance 3 Hours

A study of quality assurance techniques. Application of Statistical Process Control (SPC), acceptance sampling, military standards 105D & 414. Quality organizations and standards.

Prerequisite(s): MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C or MATH 117 or MA 117 or MATH 118 or MATH 119 or MATH 127 or MATH 121 or MATH 136 or MATH 142 or MATH 137 or MATH 206 or MATH 237 or MATH 240 or MATH 275 or MATH 304 or MATH 305 or MATH 306

Recent Term(s) Offered: fall 2022

SEAS 389 Cooperative Work Experience 3 Hours

Co-op credit may be earned in most technology programs. Students must be registered for credit and work with Cooperative Education in the Career Services Center and coordinate plans with their area advisor.

Recent Term(s) Offered: None

SEAS 390 Project Management 3 Hours

Core concepts of project management based on processes of initiating, planning, executing, controlling, and closing projects. Topics include project proposals, project selection, scope definition, CPM and PERT scheduling, budgeting, control techniques, and project manager skills.

Prerequisite(s): (MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C) or (MATH 117 or MA 117C)

Restriction(s): Enrollment is limited to students in Manufacturing Engineering Tech (5006) , Advanced Manufacturing (506) , Architectural Science (518) , Construction Management (533) , Computer Information Tech (555) , Technology Management (575) or Industrial(Voc,Career,Tech)Ed (599)

Course Fee: \$10

Recent Term(s) Offered: fall 2021; winter 2022; spring 2022; fall 2022

SEAS 394 Lean Systems 3 Hours

Applications of lean and supply chain principles across disciplines. This is the enhancement of customer value, elimination and reduction of all forms of waste from supplier to end user.

Prerequisite(s): (MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C) or (MATH 117 or MA 117C) or MATH 118 or MATH 119 or MATH 127 or MATH 121 or MATH 136 or MATH 137 or MATH 142 or MATH 206 or MATH 237 or MATH 240 or MATH 275 or MATH 304 or MATH 305 or MATH 306

Recent Term(s) Offered: fall 2022

SEAS 398 Internship I 1 Hour

Advisor approved, discipline-specific internship requiring 200 hours of work experience in business or industry. Note: Junior standing with permission of the instructor.

Prerequisite(s): permission of instructor

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

SEAS 401 Contemporary Issues in Architecture and Manufacturing 1 Hour

Contemporary issues reflecting current and emerging technologies, policies and practices in architecture and manufacturing will be studied. Guest presenters from business and industry will be presenting lectures. Students will prepare a series of papers representing their own investigation.

Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: None

SEAS 430 Technology Management / Supervision / Team Building 3 Hours

This course will provide an introduction to the fundamentals of industrial supervision. Students will develop the skills, knowledge, and philosophies required to function in a highly technical, industrial environment in a supervisory capacity. Content includes a study of leadership, management, management-labor relations, supervisory intuition, and various legal issues.

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: summer 2022; fall 2022

SEAS 471 Design of Industrial Experiments 3 Hours

Survey of statistical experimentation methods to improve quality of products and processes in industry. Includes the planning for design of experiments and quality tools that will be involved, designing the experiments with an understanding of different types of factors and, important aspects of running the experiments and analysis of data.

Prerequisite(s): AMS 271 and AMS 371

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

SEAS 475 Selected Topics in Industry 1-3 Hours (repeatable max of 6 hrs)

Varying topics of significant interest and current developments in manufacturing technology.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2021; spring 2022; fall 2022

School of Media (SOM)

SOM 101 Understanding Media Content, Ethics and Technology 3 Hours

Develops a framework to access, analyze, evaluate, and interact with content, audiences and technology in a variety of digital forms.

Restriction(s): Enrollment is limited to students in Broadcasting (726) , Broadcasting (Seeking Adm) (726P) , Advertising (727) , Advertising (Seeking Adm) (727P) , Journalism (736) , Journalism - Seeking Admission (736P) , Photojournalism (750) , Photojournalism (Seeking Adm) (750P) , Public Relations (763) or Public Relations (Seeking Adm) (763P)

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SOM 102 Media Content, Collaboration and Community 3 Hours

Working in collaborative teams to produce digital content for distribution through various media channels including web, social, and mobile.

Lecture and lab.

Restriction(s): Enrollment is limited to students in News/Editorial Journalism (716) , News/Edit Journalism(Seek Adm) (716P) , Broadcasting (726) , Broadcasting (Seeking Adm) (726P) , Advertising (727) , Advertising (Seeking Adm) (727P) , Journalism (736) , Journalism - Seeking Admission (736P) , Photojournalism (750) , Photojournalism (Seeking Adm) (750P) , Public Relations (763) or Public Relations (Seeking Adm) (763P)

Course Fee: \$40

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SOM 210 Software Studio 3 Hours

An introduction to the industry standard software to edit photos, create logos/branding packages, illustrations and layouts for print and interactive media. Note: Permission of instructor.

Restriction(s): Students with a semester level of Freshman may **not** enroll.

Equivalent(s): AD 210

Course Fee: \$40

Recent Term(s) Offered: None

SOM 241 Visualizing Data in Journalism 3 Hours

Learn to find and examine large sets of data to identify embedded trends and stories, and display this data visually. Lecture and lab.

Prerequisite(s): SOM 101 with a minimum grade of C and SOM 102 with a minimum grade of C

Course Fee: \$35

Recent Term(s) Offered: None

SOM 310 Media Diversity 3 Hours

Explores journalistic coverage of diversity in terms of race, culture, gender, and sexual orientation in a number of mass media areas including newspaper, radio, television, film, video games, digital media, advertising, and public relations. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SOM 330 Interactive Design 3 Hours

Exploration into the design process and techniques for creating interactive experiences. Encompasses information architecture, usability, front-end programming and design literacy, as well as applied user-experience design. Lecture and lab.

Prerequisite(s): AD 210 with a minimum grade of C or SOM 210 with a minimum grade of C

Recent Term(s) Offered: None

SOM 340 Programming for Media Platforms 3 Hours

Introduction to concepts, principles, and skills required to code and program media platforms. Explores modern markup languages and content management systems. No programming experience required. Note: Permission of instructor.

Prerequisite(s): SOM 210 with a minimum grade of C or AD 210 with a minimum grade of C

Course Fee: \$35

Recent Term(s) Offered: None

SOM 399 Special Topics in Media--Study Abroad 1-6 Hours
(repeatable max of 6 hrs)

This course covers media and cultural study and practical journalism experiential learning in international or out-of-town locations. This course may be repeated one time, but no more than three (3) total hours may be included in the major or minor portion of the degree program.

Equivalent(s): SJB 399

Recent Term(s) Offered: None

SOM 402 First Amendment Research and Reporting 3 Hours

Prerequisite(s): Permission of the instructor. A practical, hands-on alternative capstone course that brings together skills learned throughout the student's academic career to provide an opportunity to work within a team concept and to produce a series of stories related to First Amendment issues.

Equivalent(s): SJB 402

Recent Term(s) Offered: fall 2021

SOM 421 American News Media History 3 Hours

Major events and personalities in the development of print and electronic journalism, advertising and public relations from Gutenberg to the present, with future projections. Includes consideration of involvement of minorities and women. Analysis of contemporary journalism in the context of its history.

Recent Term(s) Offered: None

School of Professional Studies (SPS)

SPS 300 Systems Thinking and Problem-Solving in Complex Organizations 3 Hours

An introduction to the systems dynamics worldview, the characteristics of complex systems, and the process of using the systems thinking perspective to solve problems in business organizations. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

SPS 395 Special Topics in Professional Studies 3 Hours

A detailed study of a specialized topic in professional studies.

Restriction(s): Enrollment limited to students with a semester level of Junior or Senior.

Recent Term(s) Offered: None

SPS 399 Independent Study in Professional Studies 1-3 Hours
(repeatable max of 6 hrs)

Individual research, literature review or professional development project in a specific area of professional studies, in close cooperation with supervising faculty.

Recent Term(s) Offered: summer 2020

SPS 400 Foundations of Global Citizenship 3 Hours

An examination of the practice of global citizenship, the connection between the global and the local, common values, and shared challenges and benefits. **Colonnade/Statewide General Education Code K-LG**

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

SPS 495 Workplace Readiness and Professionalism 3 Hours
(repeatable max of 3 hrs)

Completion of a culminating portfolio of workplace readiness and professionalism activities, events, projects, and research related to the CEBS Student Success Academy. Requirement for the Interdisciplinary Professionalism and Success Certificate. If repeated, course content will be revised to reflect student's progress through the Student Success Academy.

Recent Term(s) Offered: None

School of University Studies (SUS)

SUS 215 Makerspace Literacies 3 Hours

An introductory course offering applied experience in current creative tools and technologies such as 3D printing. CNC routing, simple programming, robotics, and associated applied mathematics, this course is designed to develop student leadership (inclusion, diversity, teamwork), basic tool and shop safety (hand and small power tools/CNC machines), and introduce students to basic understanding and application of CNC technologies (3D printing, CNC router, laser and vinyl cutters), basic design concepts and familiar with current appropriate free software. Students will work individually and in teams to source materials, design and develop unique projects. Some semesters may include service learning such that students will participate in organized community and/or academic presentations.

Recent Term(s) Offered: None

SUS 276 Displaced Persons & Civic Engagement 3 Hours

Analysis of individual and host country crises and concerns surrounding displaced persons (DPs). Examination of the integration process and exploration of careers associated with assistance agencies. Includes a service learning project with a displaced person(s) in the local community. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Equivalent(s): EDU 276

Recent Term(s) Offered: None

Science/Math Education (SMED)

SMED 101 Step 1: Introduction to Inquiry-Based Approaches to Teaching 3 Hours

Introduction to theory and practice necessary to design and deliver high quality inquiry-based math and science instruction. Students explore and practice the guided inquiry process, create lesson plans and implement them during visits to elementary classrooms. Fieldwork required; students are responsible for arranging their own transportation to sites. **Colonnade/Statewide General Education Code E-SB | SB**

Course Fee: \$10

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SMED 102 Step 2: Introduction to Inquiry-Based Lesson Design 3 Hours

Further exploration of inquiry-based learning experiences, developing skills designing, teaching, analyzing, and assessing inquiry-based math and science lessons. Students design lesson plans and implement them during visits to middle school classrooms. Fieldwork required; students are responsible for arranging their own transportation to sites. **Colonnade/Statewide General Education Code E-SB | SB**
Course Fee: \$15

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SMED 300 Middle Grades Science Skills and Methods 3 Hours

Laboratory-based introduction to the science skills and methods needed by middle school teachers. Note: Nine hours of science and admission to Teacher Education is required.

Prerequisite(s): MATH 117

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: spring 2021; fall 2021; spring 2022; fall 2022

SMED 301 Designing and Teaching Inquiry-Based Mathematics and Science Units 3 Hours

Develops students' skills in designing, teaching, analyzing, and assessing inquiry-based math and science lessons and units within multiple and diverse field experiences. Fieldwork required; students are responsible for arranging their own transportation to sites. Note: Nine hours of math / science coursework is required.

Restriction(s): Students with a semester level of Freshman may **not** enroll.

Course Fee: \$25

Recent Term(s) Offered: fall 2020

SMED 310 Knowing and Learning in Mathematics and Science 3 Hours

Introduction to theories and principles of cognition and learning with emphasis on knowing and learning in math and science. Introduction to research on learning, memory, individual development, motivation and intelligence. Applications of learning theory will be explicitly tied to design of lesson plans, instruction and assessment.

Prerequisite(s): (SMED 101 with a minimum grade of C and SMED 102 with a minimum grade of C) or SMED 101 with a minimum grade of B

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Course Fee: \$15

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SMED 320 Classroom Interactions 3 Hours

Designed to expand student's abilities to understand how learning theories are applied in instructional settings as students develop, implement and evaluate activities and strategies for teaching diverse students equitably. Fieldwork required; students are responsible for arranging their own transportation to sites.

Prerequisite(s): SMED 310 with a minimum grade of C

Course Fee: \$25

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SMED 340 Perspectives on Mathematics and Science 3 Hours

Introduction to the historical, social, and philosophical implications of math and science through investigations of pivotal experiments and findings. Includes integrated laboratory experiences that replicate significant discoveries.

Prerequisite(s): SMED 310 with a minimum grade of C

Course Fee: \$25

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SMED 360 Research Methods for Math and Science Teachers 3 Hours

Laboratory-based introduction to the tools and techniques used by scientists and mathematicians to further an understanding of the natural world and application of this knowledge to math and science education. Students will design and carry out laboratory investigations, and present written and oral reports of the results.

Prerequisite(s): SMED 310 with a minimum grade of C

Course Fee: \$30

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SMED 400 Applying Middle Grade Science Across Disciplines 3 Hours

Introduction to the knowledge and skills needed to create middle grades science lessons that incorporate content and real-world examples from different disciplines. Note: 15 hours of science required as prerequisite.

Prerequisite(s): SMED 300

Recent Term(s) Offered: fall 2020; spring 2022

SMED 470 Project-Based Instruction 3 Hours

Methods, techniques, and technologies used to implement and assess problem-based investigations in math and science classrooms. Fieldwork required; students are responsible for arranging their own transportation to sites.

Prerequisite(s): SMED 320 with a minimum grade of C and permission of instructor

Course Fee: \$30

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SMED 489 SMED Student Teaching Seminar 3 Hours

Provides a bridge between the theory and practice of math and science teaching. Methods, techniques, technologies and issues pertinent to math and science instruction in middle grade and secondary classrooms. Field experiences in public schools and/or other appropriate settings away from campus are required. Pre-Service Teachers are responsible for their own transportation to designated or assigned sites. Note: Approved for admission to student teaching required in addition to MGE 490 or SEC 490.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Secondary Education (SEC)

SEC 350 Clinical Practices in Secondary Teaching I 8 Hours

Develop a working knowledge of planning, implementation of instruction, assessment, diversity, and classroom climate for a secondary student population. Clinical experiences are required.

Prerequisite(s): EDU 250 and PSY 310

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SEC 351 Teaching Strategies for Secondary Schools 3 Hours

Designed to develop a working knowledge of planning, implementation of instruction, assessment, and classroom climate for a student population. Field experiences in public schools are required for this course. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): (EDU 250 with a minimum grade of C or MGE 275 with a minimum grade of C) and PSY 310 with a minimum grade of C

Recent Term(s) Offered: None

SEC 352 Planning for Student Diversity 3 Hours

Designed to apply students' knowledge of teaching strategies and assessment in diverse learning environments. Field experiences in public schools are required. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): (EDU 250 with a minimum grade of C or MGE 275 with a minimum grade of C) and (PSY 310 with a minimum grade of C and SEC 351 (may be taken concurrently) with a minimum grade of C)

Recent Term(s) Offered: None

SEC 450 Clinical Practices in Secondary Teaching II 1 Hour

Develop an advanced knowledge of planning, implementation of instruction, assessment, diversity, and classroom climate for a secondary student population. Clinical experiences are required.

Prerequisite(s): (SEC 350 and LTCY 421 (may be taken concurrently)) and (SEC 475 (may be taken concurrently) or SEC 481 (may be taken concurrently))

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SEC 453 Management of Instruction 3 Hours

Designed to expand and refine the abilities of preservice teachers to create and maintain a positive learning environment, and to implement and manage instruction for diverse student populations. Field experiences in public schools are required. Students are responsible for their own transportation to designated or assigned sites. Note: Must be admitted to the Teacher Education Program AND completion of a Methods course or concurrent enrollment in a Methods course is required.

Prerequisite(s): EDU 250 with a minimum grade of C and PSY 310 with a minimum grade of C and SEC 351 with a minimum grade of C and (SEC 352 with a minimum grade of C or SPED 330 with a minimum grade of C)

Recent Term(s) Offered: None

SEC 473 Teaching Business Education 3 Hours

Develops the skills, procedures, and strategies for teaching Business and Marketing education in the middle and secondary school. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

Corequisite(s): BE 486

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2020

SEC 474 Teaching Foreign Language 3 Hours

Develops skills, procedures, and strategies for teaching foreign language in middle and secondary schools. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): EDU 250 and SPED 330 and SEC 351 and PSY 310

Equivalent(s): MLNG 474

Recent Term(s) Offered: None

SEC 475 Teaching Language Arts 3 Hours

Develops skills, curriculum, and strategies for teaching English in secondary schools. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): EDU 250 and SEC 351 and SEC 352 and PSY 310 and ENG 304 and ENG 410

Equivalent(s): MGE 475

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SEC 477 Teaching Mathematics 3 Hours

Develops the skills, procedures, and strategies for teaching mathematics in the secondary school. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): EDU 250 and SEC 351 and SEC 352 and PSY 310

Recent Term(s) Offered: None

SEC 478 Teaching Physical Education 3 Hours

Develops the skills, procedures, and strategies for teaching physical education in the secondary school. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): EDU 250 and PSY 310 and SPED 330 and SEC 351

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

SEC 479 Teaching Science 3 Hours

Develops the skills, procedures, and strategies for teaching science in secondary schools. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): EDU 250 and SEC 351 and SEC 352 and PSY 310

Equivalent(s): MGE 479

Recent Term(s) Offered: None

SEC 481 Teaching Social Studies 3 Hours

Develops skills, procedures, and strategies for teaching social studies in secondary schools. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): EDU 250 and SEC 351 and SEC 352 and PSY 310

Equivalent(s): MGE 481

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SEC 483 Teaching Health 3 Hours

Develops skills, procedures, and strategies for teaching health in the secondary school. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): (EDU 250 with a minimum grade of C and PSY 310 and SPED 330 and SEC 351 with a minimum grade of C)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

SEC 490 Student Teaching 5-10 Hours (repeatable max of 10 hrs)

Supervised assignment in approved school setting. Must complete a minimum of sixteen weeks in one or two placements depending on certification requirements. Students follow the academic calendar of the school district in which they are placed and are responsible for providing their own transportation to assigned site(s). Note: Admission to Teacher Education and admission to student teaching is required.

Corequisite(s): EDU 489

Course Fee: \$25

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SEC 491 Lecture in Lieu of Student Teaching 5 Hours

Seminar in current issues in teaching for certified teachers seeking additional endorsement. Director of Student Teaching approval required.

Recent Term(s) Offered: None

Social Work (SWRK)

SWRK 101 Foundations of Human Services 3 Hours

Starting with the basic principles, concepts and a historical perspective, the course will examine problems addressed by diverse social service programs and explore their activities. **Colonnade/Statewide General Education Code E-SB | SB**

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

SWRK 205 Introduction to Social Work 3 Hours

An introduction to the social work profession and its value, skill and knowledge bases. The history, development, and current status of the social work profession are explored. This introductory course emphasizes appreciation of and respect for human diversity as core concerns of professional social work practice.

Recent Term(s) Offered: None

SWRK 270 Mental Health and Social Policy 3 Hours

A survey course of the mental health delivery system in the United States. Services and issues will be discussed.

Recent Term(s) Offered: None

SWRK 300 Diversity and Social Welfare 3 Hours

This course engages students in the analysis of the nature and impact of economics, political and social ideologies, and cultural forces that shape the development of social welfare policies impacting diverse populations in the United States and abroad. The course emphasizes comparative approaches to the analysis of welfare policies influencing service delivery locally and globally. Policies covered include those that address: poverty, public assistance, health and behavioral health care, criminal justice, child welfare, food insecurity, and homelessness. Specific attention will be paid to the implications of social welfare policies for economic, environmental, and social justice issues and their impact on marginalized populations. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2020; winter 2022; summer 2022; fall 2022

SWRK 301 Social Work Practice for Diversity, Equity, and Inclusion 3 Hours

Explores how students' personal identity and experiences shape their view of social, economic, and environmental justice issues affecting marginalized populations. Focuses on building upon this understanding to begin to develop cultural competence in preparation for social work practice with vulnerable client systems. Note: Admission to the BSW program required.

Prerequisite(s): SWRK 101

Restriction(s): Enrollment is limited to students in Social Work (459) or Social Work (594)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

SWRK 305 Environmental Justice: Theory, Policy, and Practice 3 Hours

Relationships between the environment and inequity with regard to race/ethnicity and social class are explored by introducing key theories, policies and intervention skills related to environmental justice.

Colonnade/Statewide General Education Code K-SY

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2022

SWRK 324 Opioid Epidemic 3 Hours

Prepares students to recognize the repercussions of opioid addiction, address root causes of the crisis, and review federal, state, and local policies aimed at reducing opioid use. The role of the social environment, implications of culture, access, and policy regarding substance abuse services are applied to opioid-related issues.

Recent Term(s) Offered: summer 2022

SWRK 325 Social Work & Women in Society 3 Hours

This course will provide an analysis of women's status and position within our society, based on the premise that women's experiences emerge from society's political, social, and economic structures. Content areas emphasized include women and social change, violence, poverty, men, and feminist change strategies.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: None

SWRK 326 Services for the Older American 3 Hours

This course focuses on individual and societal aspects of aging with emphasis on programs, resources and services to meet the social tasks of later life. Field trips to off-campus locations are required. Students are responsible for providing their own transportation.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

SWRK 330 Human Behavior in the Social Environment 3 Hours

The social, natural, and behavioral sciences are used to examine human behavior across the life span, especially as influenced by ethnicity, class, gender, sexual orientation, and ability. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

SWRK 344 Social Work Statistics and Data Analysis 3 Hours

Enrollment limited to a social work major or minor. An introduction to descriptive and inferential statistics, focusing on integrating research and social work practice, and computer applications in research.

Prerequisite(s): (MATH 109 or MATH 112 or MATH 115 or MATH 116 or MATH 117 or MATH 123 or MATH 136 or MATH 142 or MATH 183 or CS 146 or PHIL 215)

Recent Term(s) Offered: summer 2020; summer 2021; summer 2022

SWRK 345 Social Work Research Methods 3 Hours

An introduction to concepts, research design, and program evaluation in social work research. Emphasis will be placed on developing skills in utilizing research information in social work practice.

Prerequisite(s): (SWRK 378 and SWRK 379)

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

SWRK 356 Services for Juvenile Offenders and Their Families 3 Hours

The nature and extent of delinquency, structure, and function of the juvenile court will be stressed. Emphasis will be on the provision of services to the juvenile offenders and their families. Field trips to off-campus locations are required. Students are responsible for providing their own transportation.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2021; fall 2022

SWRK 357 Case Management 3 Hours

This course introduces students to the fundamental aspects of case management (service coordination), including common case management roles, processes, responsibilities, and employment challenges. Major content areas include: case management roles, (including advocate, broker, resource coordinator), the roles and responsibilities of the multidisciplinary team (including nurses, social worker, physicians, and other disciplines), case management with special populations (forensic, geriatric, children, diverse populations), and the responsibilities of a case manager working in health care and mental health settings. Students will be introduced to the employment challenges of case management (types of programs that hire case managers, workforce retention issues, expectations of case manager, and job satisfaction). Students will develop familiarity with how case managers and clients interface with individual, group, and family systems. Students will develop knowledge of case management ethics and explore common ethical dilemmas and boundaries issues that confront case managers.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

SWRK 375 Social Work Practice I 3 Hours

The first of three practice classes that equip students with theory and skills for effective generalist social work practice with individuals and their interpersonal networks.

Prerequisite(s): SWRK 330 (may be taken concurrently)

Restriction(s): Enrollment is limited to students in Social Work (594)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

SWRK 378 Social Work Practice II 3 Hours

The second of three practice classes that equip students with theory and skills for effective generalist social work practice with groups.

Prerequisite(s): SWRK 330 and SWRK 375

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

SWRK 379 Introduction to Social Work Communication Skills 3 Hours

Study and practice of interviewing individuals, families, and groups. The skill of relationship building as it relates to both micro and macro practice of social work is emphasized.

Prerequisite(s): SWRK 330 and SWRK 375

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

SWRK 381 Social Work Practice III 3 Hours

The third of three practice classes that equip students with theory and skills for effective generalist social work practice with organizations and communities.

Prerequisite(s): (SWRK 378 and SWRK 379)

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

SWRK 395 Social Welfare Policy and Issues 3 Hours

An understanding of the historical perspectives of social welfare policies as they affect current policy issues. Includes examination of the processes of policy formulation. Models of policy analysis assist students identifying, and their impact on citizens representing a diversity of backgrounds.

Prerequisite(s): (SWRK 345 and SWRK 381)

Recent Term(s) Offered: spring 2021; spring 2022

SWRK 428 Social Work in Sports 3 Hours

Introduces students to the role of social workers in sport, in practice with athletes. Theories and policies informing social work practice in sport will be examined. Explores the role of social work within an interprofessional collaborative team that works to support athletes. Applies social work values, ethics, and competencies to sport social work. The well-being of the athlete and how to assess those issues, along with sport as a platform for the advancement of social justice, will be emphasized. Course objectives are achieved through the use of experiential exercises, class discussions, didactic presentations, and/or films, which encourage students to develop skills in critical thinking.

Recent Term(s) Offered: None

SWRK 433 Ethical Issues and Dilemmas in Social Work 3 Hours

An examination of professional ethics and common ethical dilemmas in social work. Models of ethical decision making are applied in case vignettes.

Prerequisite(s): SWRK 101

Recent Term(s) Offered: spring 2020

SWRK 436 Services to Children 3 Hours

A survey of institutional and community services with focus on principles of social services for children and their families.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

SWRK 437 Military Social Work 3 Hours

This course is designed to increase knowledge and competence in the area of social work services delivered to military personnel, Veterans and their families. Knowledge, values and skills required to work with this special population will be covered, along with evidence-based interventions that would be best suited for this area of social work practice.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

SWRK 438 Understanding Trauma 3 Hours

Comprehensive exploration of trauma with a focus on understanding trauma events, symptoms, theoretical practices and assessment relevant to social services and mental health.

Prerequisite(s): SWRK 101 or PSY 100 or PSYS 100

Recent Term(s) Offered: fall 2021; summer 2022

SWRK 450 Child Maltreatment 3 Hours

Comprehensive introduction to child abuse and neglect from a social work perspective. The extent of the problem, effects on children, treatment issues, the social worker's role, and advocacy on behalf of individuals and families are explored. This course is the first of two specific course requirements for the Public Child Welfare Certification Program available through WKU and the Kentucky Cabinet for Families and Children. Note: Consent of Instructor required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

SWRK 451 Child Maltreatment Interventions 3 Hours

Second of two specific course requirements for the Public Child Welfare Certification Program available through WKU and the Kentucky Cabinet for Families and Children. Covers various practice skills and treatment interventions related to social work with abused neglected children and their families. Students will have several opportunities to develop their own skills through a variety of teaching methods.

Prerequisite(s): SWRK 375 and SWRK 450

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

SWRK 480 Social Work Field Practicum I 3 Hours

Social Work practice experience in a social service agency. Note: Field director approval required.

Prerequisite(s): SWRK 378 and SWRK 379

Corequisite(s): SWRK 481

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

SWRK 481 Social Work Field Seminar I 3 Hours

Integration of the knowledge, skills, values, and experiences gained in the internship. Note: Field director approval required.

Prerequisite(s): SWRK 378 and SWRK 379

Corequisite(s): SWRK 480

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; fall 2022

SWRK 482 Social Work Field Practicum II 3 Hours

Continued social work practice experience in a social service agency.

Prerequisite(s): SWRK 480 with a minimum grade of P and SWRK 481

Corequisite(s): SWRK 483

Recent Term(s) Offered: spring 2020; summer 2020; spring 2021; spring 2022

SWRK 483 Social Work Field Seminar II 3 Hours

Integrates the knowledge, skills, values, and experiences gained during the second semester of the internship.

Prerequisite(s): SWRK 480 with a minimum grade of P and SWRK 481

Corequisite(s): SWRK 482

Recent Term(s) Offered: spring 2020; summer 2020; spring 2021; spring 2022

SWRK 490 Selected Topics in Social Work 3 Hours (repeatable max of 6 hrs)

This course permits in-depth examination of selected topics in social work. The specific topics vary. May be repeated with different topics.

Recent Term(s) Offered: winter 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; winter 2022

SWRK 495 Directed Study 1-3 Hours (repeatable max of 6 hrs)

Available to students who wish to conduct individual, intensive reading and research in a specific area of social work, in close cooperation with supervising faculty. Approval required prior to enrollment.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: spring 2020

SWRK 496 Directed Study 1-3 Hours (repeatable max of 6 hrs)

Available to students who wish to conduct individual, intensive reading and research in a specific area of social work, in close cooperation with supervising faculty. Approval required prior to enrollment.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may **not** enroll.

Recent Term(s) Offered: None

Sociology (SOCL)

SOCL 100 Introductory Sociology 3 Hours

Introduction to the basic concepts of society and culture, group behavior, population, class, minorities, community, social institutions and social changes. **Colonnade/Statewide General Education Code E-SB | SB**

Equivalent(s): SOCL 110

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

SOCL 210 Interaction: Self in Society 3 Hours

Study of the individual in social context. Emphasis is on group, social, and cultural factors and their consequences for self-development, role perception, role performance and value orientation. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022; fall 2022

SOCL 220 Marriage and Family 3 Hours

Analysis of the family institution, its structure and function and the dynamics of social change in family interaction and organization. Note: Consent of instructor. **Colonnade/Statewide General Education Code K-SC | SB**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

SOCL 240 Global Social Problems 3 Hours

Examines causes of and responses to critical social problems in different world regions, with a focus on the dimensions and impacts of globalizations. Diverse social theories are applied to interpret problems such as environmental degradation, AIDS, family violence, racism, migration, international poverty, and crime. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

SOCL 245 Sociology of Popular Culture 3 Hours

Investigation of various forms of popular culture, including television, film, music, fashion, sports, computers, and language from a sociological perspective.

Prerequisite(s): SOCL 100

Recent Term(s) Offered: None

SOCL 260 Race and Ethnic Relations 3 Hours

Designed to acquaint students with the historical and contemporary experiences of racial and ethnic groups in America. Explores social class and gender variations in the experiences of these various groups.

Prerequisite(s): SOCL 100

Recent Term(s) Offered: None

SOCL 270 Introduction to Community, Environment, & Development 3 Hours

Examines the causes, dynamics, and consequences of socio-economic change for people, how they live in communities, and how they relate to the natural world. Survey course for "Community, Environment, & Development" concentration. Note: Consent of instructor. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022

SOCL 300 Using Statistics in Sociology 3 Hours

Techniques of statistical description and elementary statistical inference as applied to social data.

Prerequisite(s): (MATH 109 or MATH 116 or MATH 116E or MA 116C (may be taken concurrently) or MATH 183 or MA 109C or MATH 112 or MATH 115 or MA 115C or MATH 117)

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

SOCL 302 Social Research Methods 3 Hours

Use of the scientific method as applied to societies, institutions, and social interaction. Development of research questions, research ethics, criteria for establishing causality, methods of research design, measurement, sampling techniques, and methods of data collection such as survey design. It is recommended that students take an introductory level social science class before enrolling in SOCL 302.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

SOCL 304 Sociological Theory: Perspectives on Society 3 Hours

Prerequisite(s): Six hours of sociology. Study of the leading developments of schools of sociological theory from Durkheim to the present.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

SOCL 309 Social Deviance 3 Hours

Examines how social groups define certain behaviors, beliefs, and conditions as normative violations and the resulting stigmatization and sanctioning of norm violators. Topics include conceptual and theoretical issues, physical deviance, sexuality, and alcohol/drug use.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

SOCL 310 Behavior in Small Groups 3 Hours

The study of communication and interaction patterns within small groups, including analysis of power, status, cohesion, and leadership. Note: Six hours of sociology or consent of instructor required for course enrollment.

Recent Term(s) Offered: None

SOCL 312 Collective Behavior and Social Movements 3 Hours

Prerequisite(s): Six hours of sociology. Analysis of collective behavior and social movements, focusing on individual participation and social consequences.

Recent Term(s) Offered: spring 2021; spring 2022

SOCL 322 Religion in Society 3 Hours

Study of the various forms and content of religious organizations and movements and the behavioral and attitudinal concomitants of religious affirmation. Note: Consent of instructor. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status and SOCL 100

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

SOCL 324 Sociology of Sport 3 Hours

An examination of the sociological perspective of sport as an institution. Particular emphasis is placed on the impact of sport on the individual, small groups, other institutions, and society. Note: Consent of instructor. *Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022*

SOCL 342 Aging in Society 3 Hours

An analysis of the elderly and their position in society. Attention is directed to aging as it relates to various social institutions and to the social aspects of aging in contemporary American society. **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

SOCL 345 The Sociology of Popular Music 3 Hours

A sociological examination of contemporary music. Focus is on the social organization of popular music performance, production and consumption. Note: Consent of instructor.

Prerequisite(s): SOCL 100

Recent Term(s) Offered: None

SOCL 346 Special Topics 3 Hours (repeatable max of 21 hrs)

Significant sociological topics, issues, or developments in the discipline of sociology.

Prerequisite(s): SOCL 100

Recent Term(s) Offered: None

SOCL 350 Systems of Social Inequality 3 Hours

Analysis of the social origins, development, and persistence of inequality as a human system present in all societies. Course covers systems of stratification in the US (class, race, gender, ethnicity, etc.) used to differentially distribute social rewards. Some sections require a service-learning project. Note: Consent of instructor.

Prerequisite(s): SOCL 100

Recent Term(s) Offered: None

SOCL 352 Technology, Work and Society 3 Hours

Analysis of technology's impact on work systems, relationships between work and society, and management-worker interaction in varied industrial settings. Note: Consent of instructor.

Prerequisite(s): SOCL 100

Recent Term(s) Offered: None

SOCL 355 Sociology of Gender 3 Hours

Examination of the social construction of women's and men's roles in society and of the concepts of masculinity and femininity. Note: Consent of instructor.

Prerequisite(s): SOCL 100

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

SOCL 359 Sexuality and Society 3 Hours

Sociological examination of issues, debates, and research on pornography, prostitution, sexual orientation, and sex and the law. *Recent Term(s) Offered: summer 2020; fall 2020; spring 2021; fall 2021; fall 2022*

SOCL 360 The Community in Rural and Urban Settings 3 Hours

Study of the structure and function of community life and the process of balancing community needs and resources. Note: Six hours of sociology courses required prior to course enrollment.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

SOCL 362 Social Institutions: Race, Class, and Gender 3 Hours

The five primary institutions (family, religion, economy, education government) as they affect and are affected by race, class, and gender in America. Explores interrelationships among those institutions and between various racial and other groups. Note: Consent of instructor.

Colonnade/Statewide General Education Code K-SY

Prerequisite(s): SOCL 100 and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

SOCL 363 Population, Society, and Development 3 Hours

Course examines population as a system, focusing on the causes and consequences of population size, growth or decline, composition, and distribution in the United States and other countries with an eye toward development. Emphasis is placed on the interrelationship of system components (fertility, mortality and migration) as well as their relationship with other systems (e.g., social, economic, political, ecological). **Colonnade/Statewide General Education Code K-SY**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2022

SOCL 372 Causes and Consequences of Human-Wildlife Conflict 3 Hours

Global study of human-wildlife conflict and the varying ecological, social, economic, and cultural realities that influence this conflict. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; spring 2022

SOCL 375 Diversity in American Society 3 Hours

Sociological analyses of ways societal institutions create and shape intergroup diversity. Focuses on the elements of social organization and their relationships to diversity. Note: Consent of instructor. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): SOCL 100 and 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

SOCL 376 Sociology of Globalization 3 Hours

Sociological analysis of causes, effects, and implications of the process by which people become more interconnected in different ways and across large distances. Within this framework, economic, cultural, environmental, political, and social issues will be examined. **Colonnade/Statewide General Education Code K-LG**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

SOCL 389 Stigma and Society 3 Hours

Sociological examination of the conceptualization, types, consequences, and management of stigma. Course will cover associative stigma, stigma resistance, and reintegration. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: None

SOCL 402 Evaluation Research Tech 3 Hours

Study of the methods, techniques, and philosophical approaches used in conducting research to identify and evaluate social problems, programs, and policies.

Prerequisite(s): (SOCL 300 or SOCL 302 or DCS 300)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: None

SOCL 404 Qualitative Research Methods 3 Hours

Study of the methods and techniques used in qualitative sociological research. Topics include observational research, in-depth interviewing and discourse analysis.

Prerequisite(s): SOCL 100

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021

SOCL 408 Survey Applications 3 Hours

Students will be involved in the design, conduct, analysis, and dissemination of an actual social survey research project. Note: Course pass and consent of instructor required.

Prerequisite(s): SOCL 300 and SOCL 302

Recent Term(s) Offered: None

SOCL 410 Socialization: Changes Through Life 3 Hours

Study of theories and research techniques in the area of socialization with summary of the findings dealing with changes over the life course.

Prerequisite(s): SOCL 100

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020

SOCL 435 Family Violence 3 Hours

A sociological perspective on family violence in the United States, emphasizing child abuse and intimate partner violence. Research, theory, laws, treatment and prevention are analyzed.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

SOCL 440 Sociology of Health and Illness 3 Hours

A comprehensive introduction to sociological factors in disease etiology and illness behavior; the organization and operation of health delivery systems; and the social interaction between organization administrators, health professionals and semi-professionals, patients, and the public.

Recent Term(s) Offered: None

SOCL 442 Sociology Research Project 3 Hours

Course pass required.

Recent Term(s) Offered: spring 2022; fall 2022

SOCL 450 Occupations and Professions 3 Hours

Analysis of the meaning of trends in occupational activities and careers through investigation of various occupations and professions. Note: Consent of instructor.

Prerequisite(s): SOCL 100

Recent Term(s) Offered: None

SOCL 452 Social Change 3 Hours

Examination of the nature and theories of social change and of the factors affecting it. Emphasis on the process of modernization and contemporary social changes. Note: Nine hours of sociology or consent of instructor required prior to course enrollment.

Recent Term(s) Offered: fall 2020; fall 2022

SOCL 455 Theory and Practice of Community Development 3 Hours

Course explores the ecological, interactional, structural functional, technical assistance, action research, evaluation research and leadership approaches to community development practice. Course requires participation in a community development project. Note: Consent of instructor.

Prerequisite(s): SOCL 100

Recent Term(s) Offered: None

SOCL 466 Gender, Family, and Society 3 Hours

Examination of gender dynamics and inequality in the context of the family. Issues examined may include mate selection, parenting, same-sex families and parenting, gendered divisions of work, gendered family dynamics by social class and race/ethnicity, costs, for example.

Prerequisite(s): SOCL 100

Recent Term(s) Offered: None

SOCL 470 Environmental Sociology 3 Hours

Explores environmental thought within the sciences and the general public, including shifting worldviews, social movements, and social structural change associated with sustainability, environmental justice, and the rights of nature. Students are responsible for arranging their own transportation for optional field trips. Note: 3 credit hours in sociology or consent of instructor required prior to enrollment.

Prerequisite(s): ENG 300

Recent Term(s) Offered: None

SOCL 480 Sociology of Agri-Food Systems 3 Hours

Course examines the social organization and dynamics of food and agricultural systems. SOCL 270 is strongly recommended, but not required. Field trips are required. Note: Consent of instructor.

Prerequisite(s): SOCL 100

Recent Term(s) Offered: None

SOCL 489 Sociology Study Abroad 1-6 Hours (repeatable max of 6 hrs)

Sociological and cultural study in international locations. May be repeated for credit. No more than six hours may be applied toward the major or minor.

Prerequisite(s): permission of instructor

Recent Term(s) Offered: None

SOCL 494 Internship in Sociology 1-6 Hours (repeatable max of 6 hrs)

Internships are unique experiential learning opportunities. Once placed with a community partner, the student works toward an enhanced understanding of prior coursework through practical experience in a supervised work situation. Note: Course pass and 80 hours of completed college coursework required.

Prerequisite(s): (SOCL 300 or SOCL 302)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

SOCL 495 Directed Study 1-3 Hours (repeatable max of 3 hrs)

Course pass required. Available to superior students who wish to conduct individual, intensive reading and research in a specific area of sociology in close cooperation with supervising faculty. Submission of such projects to student sections of regional professional meetings is encouraged.

Prerequisite(s): permission of instructor

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2022

SOCL 496 Directed Study 1-3 Hours (repeatable max of 3 hrs)

Course pass required. Available to superior students who wish to conduct individual, intensive reading and research in a specific area of sociology in close cooperation with supervising faculty. Submission of such projects to student sections of regional professional meetings is encouraged.

Prerequisite(s): permission of instructor

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2021

SOCL 499 Senior Seminar 1 Hour

Integrates concepts, theories, research methods, and data analysis techniques learned during study of sociology.

Prerequisite(s): (SOCL 100 or SOC 100C) and SOCL 300 (may be taken concurrently) and SOCL 302 (may be taken concurrently) and SOCL 304 (may be taken concurrently)

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Spanish (SPAN)

SPAN 100 Spanish Language and Culture On-Site 1-3 Hours (repeatable max of 3 hrs)

An introduction to Spanish and Spanish-speaking culture in conjunction with study abroad for students with little or no previous language study. Note: Permission of instructor required.

Recent Term(s) Offered: None

SPAN 101 Elementary Spanish I 3 Hours

A beginning course designed to develop skills in understanding, speaking, reading and writing and to provide cultural insights.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

SPAN 102 Elementary Spanish II 3 Hours

Continuation of development of four skills and of cultural insights.

Prerequisite(s): (SPAN 101 or AVANT Lang Spanish Placement with a score of 2 or LPROF: SPANISH Composite with a score of 2 or High School 2 years Spanish)

Course Fee: \$7

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

SPAN 105 Introduction to Hispanic Culture 3 Hours

Survey of the contemporary cultures of Spain and Latin America, with emphasis on values, behavioral characteristics, social and political structures, and achievements of the Spanish-speaking peoples. Taught in English; only taught abroad.

Recent Term(s) Offered: None

SPAN 200 Latin American Society: Past and Present 3 Hours

A broad interdisciplinary introduction to the study of Latin America, emphasizing its regions, peoples, and cultures. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Equivalent(s): GEOG 200, ANTH 200, PS 200, HIST 200

Recent Term(s) Offered: None

SPAN 201 Intermediate Spanish I 3 Hours

A systematic review of grammar and development of reading skills.

Prerequisite(s): (SPAN 102 or AVANT Lang Spanish Placement with a score of 3)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SPAN 202 Intermediate Spanish II 3 Hours

Further review of grammar and development of reading skills. Fulfills World Language with a grade of C or better.

Prerequisite(s): AVANT Lang Spanish Placement with a score of 4 (SPAN 201 or AVANT Lang Spanish Placement with a score of 4)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SPAN 210 Intermediate Spanish Conversation Abroad 1-3 Hours (repeatable max of 3 hrs)

Course designed to develop the vocabulary and communication skills of a student with one year of college Spanish or equivalent, with emphasis on contact with Spanish native speakers. SPAN 210 may not substitute for SPAN 201 or SPAN 202, but may count as an elective for the major or minor. Taught in Spanish. Fulfills World Language with a grade of C or better.

Prerequisite(s): (SPAN 102 or AVANT Lang Spanish Placement with a score of 3)

Recent Term(s) Offered: None

SPAN 211 Intermediate Spanish Culture Abroad 1-3 Hours (repeatable max of 3 hrs)

Course designed to develop an appreciation for different aspects of Spanish-speaking countries and their people and cultures, for a student with one year of college Spanish or equivalent. SPAN 211 may not substitute for SPAN 201 or 202, but may count as an elective for the major or minor. Taught in Spanish. Fulfills World Language with a grade of C or better.

Prerequisite(s): (SPAN 102 or AVANT Lang Spanish Placement with a score of 3)

Recent Term(s) Offered: None

SPAN 220 Spanish for Criminal Justice Professionals 3 Hours

Course designed to develop the specific vocabulary and oral communication skills essential for a student who is intending to pursue a career in criminal justice and who has a background of one year of college Spanish or the equivalent. SPAN 220 will primarily be taught in study abroad programs in Mexico. Fulfills World Language with a grade of C or better.

Prerequisite(s): (SPAN 102 or AVANT Lang Spanish Placement with a score of 3)

Recent Term(s) Offered: None

SPAN 230 Spanish for Medical Professionals 3 Hours

Course designed to develop the specific vocabulary and oral communication skills essential for a student who is intending to pursue a career in medicine or nursing who has a background of one year of college Spanish or the equivalent. SPAN 220 will be primarily taught in study abroad programs in Mexico. Fulfills World Language with a grade of C or better.

Prerequisite(s): (SPAN 102 or AVANT Lang Spanish Placement with a score of 3)

Recent Term(s) Offered: None

SPAN 306 Experiencing Spanish Abroad 1-6 Hours (repeatable max of 6 hrs)

Supervised language and cultural studies accomplished during a study abroad program. Students who receive transferable credit for language study done during the study abroad program will receive credit only for cultural study. Fulfills World Language with a grade of C or better. Note: Enrollment in supervised language study while abroad required.

Prerequisite(s): (SPAN 202 or AVANT Lang Spanish Placement with a score of 5)

Recent Term(s) Offered: winter 2020; winter 2021; winter 2022

SPAN 331 Spanish for Professional Communication 3 Hours

Introduction to professional communication in the Spanish-speaking countries: Linguistic structures and vocabulary, forms of professional communication, reading and discussion of professional texts, social customs. Fulfills World Language with a grade of C or better.

Prerequisite(s): (SPAN 202 or AVANT Lang Spanish Placement with a score of 5)

Recent Term(s) Offered: fall 2020; spring 2022; summer 2022

SPAN 345 Topics in Spanish 3 Hours

This course will develop students' linguistic and critical reading skills, as well as their cultural understanding through examination of different contemporary topics in the Hispanic world.

Prerequisite(s): (SPAN 370 or SPAN 331) and SPAN 371

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

SPAN 370 Spanish Conversation 3 Hours

Exercises in pronunciation, comprehension and oral expression. Fulfills World Language with a grade of C or better.

Prerequisite(s): (SPAN 202 or AVANT Lang Spanish Placement with a score of 5)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

SPAN 371 Spanish Composition and Grammar 3 Hours

Controlled written compositions and oral expression. Systematic and intensive review of grammar. Fulfills World Language with a grade of C or better.

Prerequisite(s): AVANT Lang Spanish Placement with a score of 5 (SPAN 202 or AVANT Lang Spanish Placement with a score of 5)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SPAN 372 Latin American Civilization and Culture 3 Hours

Survey of the historical and cultural background of Latin America and its people from the Discovery to the present.

Prerequisite(s): (SPAN 370 or SPAN 331) and SPAN 371

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

SPAN 373 Spanish Civilization and Culture 3 Hours

Survey of historical and cultural background of Spain and its people from the Roman colonization to the present. **Colonnade/Statewide General Education Code AH**

Prerequisite(s): (SPAN 370 or SPAN 331) and SPAN 371

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; summer 2022; fall 2022

SPAN 374 Literature and Culture of Spain 3 Hours

An introduction to the culture of Spain through the study of literary texts. The course will discuss the historical contexts and cultural milieu that produced selected texts. The analysis of literary texts will be introduced.

Colonnade/Statewide General Education Code AH

Prerequisite(s): (SPAN 370 or SPAN 331) and SPAN 371

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022; summer 2022

SPAN 376 Literature and Culture of Latin America 3 Hours

An introduction to the culture of Latin America through the study of their literary and cultural production. The course will discuss the historical contexts and cultural milieu that produced selected texts. The analyses of literary texts will be introduced.

Colonnade/Statewide General Education Code AH

Prerequisite(s): (SPAN 370 or SPAN 331) and SPAN 371

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

SPAN 381 Spanish Grammar Through Cultural Readings 3 Hours (repeatable max of 6 hrs)

Students will read a variety of texts in order to increase reading comprehension, acquire a broader vocabulary, and enhance grammatical proficiency in preparation for the study of literature. Fulfills World Language with a grade of C or better.

Prerequisite(s): SPAN 371

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

SPAN 384 Spanish Phonetics and Phonology 3 Hours

An analytical and practical study of contemporary Spanish pronunciation (phonetics and phonology), including the articulatory system, sound production, the classification of vowels and consonants, phonetic transcription and some dialect features..

Prerequisite(s): SPAN 331 or (SPAN 370 and SPAN 371)

Recent Term(s) Offered: None

SPAN 389 Internship in Spanish 1-3 Hours (repeatable max of 6 hrs)

Supervised work using Spanish in a professional setting. Open only to Spanish majors or minors. May be repeated once for elective credit in the major or minor for a maximum of six hours. Fulfills World Language with a grade of C or better.

Prerequisite(s): (SPAN 372 or SPAN 373 or SPAN 374 or SPAN 376)

Recent Term(s) Offered: spring 2021

SPAN 453 Introduction to Spanish Linguistics 3 Hours

An overall understanding of major sub-areas of Spanish linguistics that will allow students to develop a deeper appreciation of the structure of Spanish and the speakers' use of the language.

Prerequisite(s): (SPAN 372 or SPAN 373) and (SPAN 374 or SPAN 376)

Recent Term(s) Offered: fall 2020

SPAN 455 Topics in Hispanic Literary and Cultural Studies 3 Hours

Examines different literary and cultural topics of interest in Hispanic Studies. Fulfills World Language with a grade of C or better.

Prerequisite(s): (SPAN 345 or SPAN 372 or SPAN 373) and (SPAN 374 or SPAN 376)

Recent Term(s) Offered: spring 2020; spring 2022; summer 2022

SPAN 470 Advanced Oral Spanish 3 Hours

Conversation units, dramatic sketches, original oral topics. Fulfills World Language with a grade of C or better.

Prerequisite(s): SPAN 370

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; summer 2022; fall 2022

SPAN 471 Advanced Spanish Composition 3 Hours

Examination of selected literary works; original compositions on selected topics. Fulfills World Language with a grade of C or better.

Prerequisite(s): SPAN 371 and (SPAN 372 or SPAN 373 or SPAN 374 or SPAN 376)

Recent Term(s) Offered: fall 2021

SPAN 476 Twentieth Century Spain 3 Hours

A chronological study of the culture of Spain through the study of representative works. The course will discuss the historical contexts and cultural milieu that produced selected texts. The analyses of literary texts will be introduced. Fulfills World Language with a grade of C or better.

Prerequisite(s): (SPAN 374 or SPAN 376)

Recent Term(s) Offered: None

SPAN 480 Translation and Interpreting 3 Hours

The principles of translation and translation theory including extensive practical work with translations of literary and non-literary texts from Spanish to English and vice versa. Students will also learn the principles and develop the skills of interpretation.

Prerequisite(s): (SPAN 372 or SPAN 373) and (SPAN 374 or SPAN 376)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

SPAN 490 Hispanic Cinema 3 Hours

Introduction to the cinematic work of Latin American, Spanish, and US-Hispanic-Latino film artists and development of critical interpretative skills that enhance appreciation of films. Fulfills World Language with a grade of C or better.

Prerequisite(s): (SPAN 370 or SPAN 331) and SPAN 371 and (SPAN 306 or SPAN 372 or SPAN 373 or SPAN 374 or SPAN 376 or SPAN 381 or SPAN 389)

Recent Term(s) Offered: None

SPAN 499 Advanced Studies in Spanish 1-4 Hours (repeatable max of 6 hrs)

For guided independent study in culture, language, or literature. May be used with consent of full-time program faculty members for work accomplished during study abroad. Number of credit hours will be determined in consultation with instructor. Note: Permission of instructor required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020

Special Education (SPED)

SPED 200 The Culture of Disability 3 Hours

Social and cultural perspectives on disabilities. Covers major types of disabilities, disability as a socially-constructed concept, images and stereotypes of disabilities within various cultures, and cultural norms that create barriers to individuals' participation in society.

Recent Term(s) Offered: None

SPED 330 Introduction to Exceptional Education: Diversity in Learning 3 Hours

Characteristics of exceptionality, special education programs, schools, and community resources and research relative to exceptionality. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): (EDU 250 or FACS 192 or MGE 275 or AGED 250 or AMS 329) and (PSY 310 or FACS 191)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SPED 331 Early Childhood Education for Children with Disabilities 3 Hours

Emphasis on services and supports for children from birth through five years old, with and without disabilities, and their families, including current intervention research. Field experiences in early childhood settings away from campus are required. Students are responsible for arranging their own transportation to and from assigned sites.

Prerequisite(s): FACS 191 or permission of instructor

Corequisite(s): SPED 330

Recent Term(s) Offered: spring 2021

SPED 332 Intervention Strategies for Students with Mild Disabilities 3 Hours

The student is taught to make appropriate choice/use of audio-visual media and adapted instructional materials in the content areas for individuals with mild disabilities. Field experiences in public schools and/or other appropriate settings away from campus required. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): SPED 331 and SPED 333 and SPED 432

Corequisite(s): SPED 422, SPED 433, SPED 430, SPED 334

Recent Term(s) Offered: None

SPED 333 Transition: School to Adult Life 3 Hours

Students are exposed to theory and practice of preparing individuals with disabilities to enter the world of work and independent adult citizenship. Field experiences in public schools and/or other appropriate settings away from campus are required. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): SPED 330 and LTCY 320

Corequisite(s): SPED 331, SPED 432

Recent Term(s) Offered: None

SPED 334 Field-Based Practicum with Individuals with Disabilities 3 Hours

Students interact with individuals with disabilities in classrooms and institutions via field experiences to discover the nature of exceptionality, view programs, and make career decisions. Field experiences in public schools and/or other appropriate settings away from campus are required. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): SPED 331 and SPED 333 and SPED 432

Corequisite(s): SPED 430, SPED 332, SPED 422, SPED 433

Recent Term(s) Offered: spring 2020

SPED 335 Foundations of Special Education 3 Hours

A foundational methods course of special education history, law and procedures for effective design to manage, plan, assess, and teach P-12 students in LBD programs. Field experience may be required. Students are responsible for their own transportation.

Prerequisite(s): EDU 250

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SPED 340 LBD Elementary Instructional Methods 3 Hours

Research-based instructional methods for elementary students with mild disabilities. Field experiences may be required. Students are responsible for their own transportation to assigned sites.

Prerequisite(s): SPED 335

Recent Term(s) Offered: fall 2022

SPED 345 LBD Secondary Methods: Language Arts 3 Hours

Methods, strategies, and models for providing curricular and instructional methodologies in the education of secondary LBD students. Integration of appropriate age- and ability-level academic instruction preparing for transition to work. Field experiences required. Students are responsible for own transportation to designated sites.

Prerequisite(s): SPED 335

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; fall 2022

SPED 346 Learning and Behavioral Disorders Secondary Methods-Math 3 Hours

Prerequisite(s): SPED 335

Recent Term(s) Offered: None

SPED 350 Assessment in Special Education 3 Hours

Assessment of students with disabilities - progress monitoring, formative, summative, eligibility determination, and inclusion in accountability systems. Note: Admission to professional education required.

Prerequisite(s): SPED 335

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; fall 2022

SPED 400 Behavior Management Strategies in Special Education 3 Hours

Classroom management strategies specific to students with mild to moderate disabilities. Special consideration for the function, measurement, documentation and modification of specific behaviors to improve student progress academically and socially. Fieldwork may be required. Students are responsible for their own transportation to designated sites. Note: Passing the Praxis CASE tests (reading, writing, and math) as required for admission to teacher education is required for this course.

Prerequisite(s): SPED 335

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021

SPED 415 Prescriptive Programming for Individuals with Severe Emotional and Behavioral Disorders 3 Hours

History of instructional models characteristics. Evaluation procedures for identification and instruction with individuals with severe emotional and behavioral disorders, autism, and other pervasive developmental disorders. Field experience in public schools and/or other appropriate settings away from campus are required. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): SPED 334

Corequisite(s): SPED 418, SPED 431, SPED 416, SPED 417

Recent Term(s) Offered: None

SPED 416 Field-Based Practicum with Individuals with Moderate and Severe Disabilities 3 Hours

Supervised practice in an appropriate setting for development of advanced intervention skills used with individuals with moderate and severe disabilities. Field experiences in public schools and/or other appropriate settings away from campus are required. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): SPED 334

Corequisite(s): SPED 417, SPED 418, SPED 431, SPED 415

Recent Term(s) Offered: None

SPED 417 Assessment and Curriculum I for Students with Moderate / Severe Disabilities 3 Hours

Characteristics, problems and needs of individuals with moderate to severe disabilities. Curriculum and assessment models are evaluated; intervention strategies for both cognitive and social skills are designed. Field experiences in public schools and/or other appropriate settings are required in this course. Students are responsible for arranging their own transportation to designated sites.

Prerequisite(s): SPED 334

Corequisite(s): SPED 431, SPED 415, SPED 416, SPED 418

Recent Term(s) Offered: None

SPED 418 Assessment and Curriculum II for Students with Moderate / Severe Disabilities 3 Hours

This course builds upon SPED 417. Topics include routine/emergency medical procedures, physical management/handling, postural motor dysfunction, recreation, transition programming and modifications with language/vision/hearing impairments. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated sites.

Prerequisite(s): SPED 334

Corequisite(s): SPED 431, SPED 417, SPED 416, SPED 415

Recent Term(s) Offered: None

SPED 419 Assistive Technology in the Classroom and Community 3 Hours

This class is designed to provide an overview of assistive technology and augmentative/alternate communication devices and their application in the special education classroom. This class will enable participants to develop sound and inclusive technology plans that meet the needs of students with moderate to severe disabilities.

Prerequisite(s): SPED 330

Recent Term(s) Offered: None

SPED 422 Collaboration and Inclusion in School and Community Settings 3 Hours

The course provides an overview of methods which facilitate collaboration across disciplines to support diverse learners in regular classroom and community settings. Field experiences are required.

Prerequisite(s): SPED 331 and SPED 333 and SPED 432

Corequisite(s): SPED 433, SPED 430, SPED 332, SPED 334

Recent Term(s) Offered: None

SPED 424 Inclusion, Collaboration and Diversity in the Classroom 3 Hours

Develops and enhances communication in the collaboration roles of key stakeholders working with at-risk, identified, and diverse students in the special education process. Field experience required. Candidates are responsible for their own transportation to assigned sites. Note: Admission to professional education or instructor approval is required for this course.

Prerequisite(s): SPED 335

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

SPED 425 LBD Language Interventions: Strategies and Materials 4 Hours

Language and reading development with emphasis on remediation using research-based strategies, methods, and materials for students with LBD, including English Learners. Note: Admission to professional education is required for this course.

Prerequisite(s): SPED 335

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SPED 430 Diagnosis for Instructional Planning: Students with Mild Disabilities 3 Hours

This course will deal with the administration, scoring, and educational utilization of various diagnostic instruments designed to assist the teacher in developing an educational profile for the individual with school-related problems. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): SPED 331 and SPED 333 and SPED 432

Corequisite(s): SPED 332, SPED 334, SPED 422, SPED 433

Recent Term(s) Offered: None

SPED 431 Language Intervention: Strategies and Materials 3 Hours

An overview of language development is provided with emphasis placed on the educational remediation of language disorders. Focus is on the utilization of methods and materials which foster language development. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): SPED 334

Corequisite(s): SPED 416, SPED 415, SPED 417, SPED 418

Recent Term(s) Offered: None

SPED 432 Applied Behavior Analysis 3 Hours

Major emphasis is placed upon observing, analyzing and modifying the behavior of students. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

Prerequisite(s): SPED 330

Corequisite(s): SPED 333, SPED 331

Recent Term(s) Offered: fall 2020

SPED 433 Models of Positive Behavior Support 3 Hours

Examines an array of models for supporting positive behavior changes in students. Field experience required.

Prerequisite(s): SPED 331 and SPED 333 and SPED 432

Corequisite(s): SPED 430, SPED 422, SPED 332, SPED 334

Recent Term(s) Offered: None

SPED 434 Student Teaching Seminar 3 Hours

This course is designed to serve as a pre-student teaching experience to allow a student to integrate the process of diagnostic-prescriptive teaching. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites. Note: Completion of all exceptional education coursework and admission to student teaching is required for this course.

Prerequisite(s): SPED 332 with a minimum grade of C and SPED 333 with a minimum grade of C and EDU 250 with a minimum grade of B and SPED 331 with a minimum grade of C and SPED 330 with a minimum grade of B and SPED 334 with a minimum grade of C and SPED 421 with a minimum grade of C and SPED 422 with a minimum grade of C and SPED 430 with a minimum grade of C and SPED 431 with a minimum grade of C and SPED 432 with a minimum grade of C and SPED 433 with a minimum grade of C and MATH 211 and MATH 212 and LME 448 and LTCY 320 and PSY 310 and (LME 318 or LME 407)

Corequisite(s): SPED 490

Recent Term(s) Offered: None

SPED 480 Data-driven Decisions in Special Education 3 Hours

Supervised field placement in P-12 settings serving students with LBD. Students are responsible for arranging their own transportation to designated or assigned sites. Note: Admission to professional education is required for this course.

Prerequisite(s): SPED 424

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SPED 490 Student Teaching: Exceptional Education 5-10 Hours

(repeatable max of 10 hrs)

Supervised assignment in approved school setting. Must complete a minimum of sixteen weeks in one or two placements depending on certification requirements. Students follow the academic calendar of the school district in which they are placed and are responsible for providing their own transportation to assigned site(s). Note: Admission to teacher education and admission to student teaching is required for this course.

Corequisite(s): EDU 489

Course Fee: \$12.5

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

Sport Management (SPM)

SPM 200 Introduction to Sport Management 3 Hours

The history, principles, and objectives within the sport management profession, overview of sport delivery systems, study of sport as a microcosm of society, and career options within sport organizations.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

SPM 290 Sport Management Seminar 3 Hours

Exploration of sport management career planning including application materials, interviewing, and other professional issues.

Restriction(s): Enrollment is limited to students in Sport Management (572) or Sport Management-Prep (572P)

Recent Term(s) Offered: fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

SPM 300 Public Policy in Sport 3 Hours

Examines social, political, and economic impact of national and international sport. Topics include structure of public finance of sport, politics of sport, sport and public health, community ownership, globalization of sport, and professional sport.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

SPM 305 Sport Event Management 3 Hours

Addresses the management of sporting events and tournaments. Students will learn multiple methods of designing and implementing tournaments and special events.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

SPM 310 Sport Ethics and Moral Issues 3 Hours

Examines ethical and moral issues that occur in sport organizations and teams.

Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

SPM 315 Sport Communication 3 Hours

Introduces students to the management of communication and public relations within sport.

Equivalent(s): COMM 315

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

SPM 320 Esports Management 3 Hours

This course focuses on the history, culture, issues, and trends of Esports, the levels and governance of Esports, and the process of managing, financing, and promoting Esports competitions.

Recent Term(s) Offered: fall 2021; fall 2022

SPM 402 Fiscal Practices in Sport Management 3 Hours

Financial principles and practices relevant to Sport Management. Topics include financial statements and ratios, financial risk management, debt and equity financing, feasibility studies, economic impact analysis, capital budgeting, and facility financing.

Restriction(s): Enrollment is limited to students in Sport Management (572)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SPM 404 Sport Facility Management 3 Hours

A practical orientation to the management and operation of facilities that exist in sport management industries.

Restriction(s): Enrollment is limited to students in Sport Management (572)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SPM 450 Sport Law 3 Hours

Legal systems and the concepts of tort law, risk management, product liability, constitutional law, administrative/statutory law, and crowd control and security of sport organizations.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Enrollment is limited to students in Sport Management (572)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SPM 452 Sport Leadership and Management 3 Hours

Knowledge of the various skills, roles, and functions of the sport manager, leadership theory and practices as they relate to various sport managerial responsibilities.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Enrollment is limited to students in Sport Management (572)

Course Fee: \$25

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SPM 454 Sport Governance 3 Hours

Familiarization of sport organization governing bodies, including identifying those in amateur and professional sports, their organizational structure, authority, requirements for membership, sanctions and appeals, and the influence of outside political organizations.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may **not** enroll.

Enrollment is limited to students in Sport Management (572)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SPM 456 Advance Studies in Sport 3 Hours (repeatable max of 6 hrs)

Research, workshop or project related to the sport industry in collaboration with a faculty member. Note: Permission of instructor is required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in Sport Management (572)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

SPM 490 Internship in Sport 12 Hours

Supervised internship with community, interscholastic, intercollegiate, amateur, or professional sport industry organizations. This experience is supervised and controlled by university faculty members and personnel from sport industry agencies. Students will be responsible for their own transportation to off-campus meetings. Note: Completion of all major courses required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Enrollment is limited to students in Sport Management (572)

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

Statistics (STAT)

STAT 301 Introductory Probability and Applied Statistics 3 Hours

A calculus-based introduction to probability and applied statistics, with emphasis on analysis of real-world data. Topics include principles of elementary probability; essential discrete and continuous probability distributions; descriptive statistics; sampling distributions; estimation and hypothesis testing for means, variances, and proportions; and simple linear regression. Technology is integrated throughout the course.

Prerequisite(s): (MATH 136 with a minimum grade of C or MATH 142 with a minimum grade of C)

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; fall 2022

STAT 330 Introduction to Statistical Software 3 Hours

Using proprietary and open-source statistical software for data analysis. Interactive techniques for data management, manipulation and transformation. Interactive techniques for data error checking, descriptive statistics, basic inferential statistics, and basic report generation such as tabular and graphical displays. Introduction to scripts and batch processing when applicable. Proper use and interpretation of the methods are emphasized. Note: Three hours of undergraduate statistics with a grade of C or better, or consent of instructor.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

STAT 401 Regression Analysis 3 Hours

Regression topics including simple and multiple linear regression, least squares estimates, inference, transformations, diagnostic checking, and model selection methods. Selected special regression topics will also be introduced. Statistical software packages will be used for analyses. Note: Permission of instructor may be required.

Prerequisite(s): STAT 301 with a minimum grade of C and (STAT 330 (may be taken concurrently) with a minimum grade of C or CS 396 with a minimum grade of C)

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

STAT 402 Experimental Design 3 Hours

Experimental design and analysis topics including single- and multiple-factor designs, factorial and fractional factorial designs, fixed vs. random effects models, response surface, nested designs, and special topics. Statistical software packages will be used for analyses. Note: Permission of instructor may be required.

Prerequisite(s): STAT 301 with a minimum grade of C and (STAT 330 (may be taken concurrently) with a minimum grade of C or CS 396 with a minimum grade of C)

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

STAT 440 Categorical Data Analysis 3 Hours

Categorical data analysis topics including contingency tables, log-linear models, relative risk and odds, and logistic regression. Statistical software packages will be used for data analyses.

Prerequisite(s): STAT 301 with a minimum grade of C and STAT 330 (may be taken concurrently)

Recent Term(s) Offered: None

Swahili (SWAH)

SWAH 101 Elementary Swahili 3 Hours

Prepares students to communicate verbally and in writing in simple routine tasks; to understand written or spoken communication on everyday topics and to develop cultural awareness.

Recent Term(s) Offered: None

SWAH 102 Elementary Swahili II 3 Hours

Continuation of the development of communication skills on everyday topics and cultural insights. Fulfills World Language with a grade of C or better.

Prerequisite(s): (SWAH 101 or High School 2 years Swahili)

Recent Term(s) Offered: None

Theatre (THEA)

THEA 101 Acting I 3 Hours

Improvisation, theatre games, and introductory scene and/or monologue work intended to develop fundamental performance and ensemble collaboration skills.

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; spring 2022; fall 2022

THEA 141 Stage Makeup 1 Hour

Fundamental theory and application of standard and character stage makeup.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

THEA 151 Theatre Appreciation 3 Hours

A study of the literary, historical and creative aspects of the theatre. It is designed to develop an understanding and appreciation of the art of theatre from the point of view of the audience. **Colonnade/Statewide General Education Code E-AH | AH**
Recent Term(s) Offered: winter 2020; spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

THEA 203 Acting Audition Workshop 1 Hour (repeatable max of 2 hrs)

A developmental studio workshop designed to help students select and prepare effective audition monologues, learn and apply performance techniques unique to the auditioning, and successfully navigate the audition application process. Required of all students needing written departmental recommendation on audition forms. Note: Restricted to students pursuing a degree program in the Department of Theatre and Dance.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

THEA 204 Portfolio Preparation Workshop 1 Hour

Introduction to the process of compiling design and technical resumes and portfolios for the performing arts fields.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

THEA 219 Design I 3 Hours

An introduction to the fundamental design concepts, techniques and processes common to all areas of theatre production.

Prerequisite(s): THEA 252

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

THEA 222 Stagecraft 3 Hours

Students enrolling in this course must also concurrently enroll in a section of Rehearsal & Production. This course presents the fundamental tools, materials and methods of scenery construction. Other topics include stage rigging, drafting and scene painting. Practical experience is gained by assisting with the construction of scenery for the department's mainstage productions.

Prerequisite(s): PERF 120

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

THEA 230 Stage Combat I: Unarmed 3 Hours (repeatable max of 6 hrs)

A study of unarmed violence for the stage including punches, slaps, kicks, falls, and rolls. Classic vs. contemporary approaches to staging violence will also be covered. Repeatable once for a total of six credit hours, only three of which may be applied towards a major.

Prerequisite(s): THEA 101 and PERF 205

Recent Term(s) Offered: spring 2022

THEA 241 Costume Technology 3 Hours

Students enrolling in this course must also concurrently enroll in a section of Rehearsal and Production. A basic study of construction techniques for complete stage costumes with emphasis on historical costumes for the theatre.

Prerequisite(s): PERF 120

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; spring 2022; fall 2022

THEA 250 Stage Electrics 3 Hours

Students enrolling in this course must also concurrently enroll in a section of Rehearsal and Production. Introduction to the fundamentals of lighting and sound for the theatre.

Prerequisite(s): PERF 120

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

THEA 252 Fundamentals of Theatre 3 Hours

An introductory course in theatre. It provides the student with a study of play analysis and its practical application by means of theatre production projects.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

THEA 300 Acting II 3 Hours

An acting studio course focusing on the fundamentals of text and character analysis, characterization, and performance.

Prerequisite(s): THEA 101

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

THEA 301 Acting III 3 Hours

An advanced acting course focusing on the application of advanced character analysis, characterization, and style to intensive scene work.

Prerequisite(s): THEA 252 and THEA 300 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021; fall 2022

THEA 303 Acting for the Camera 3 Hours

A fundamental approach to auditioning and acting for the camera.

Equivalent(s): BCOM 303

Recent Term(s) Offered: None

THEA 306 Musical Theatre Ensemble 1 Hour (repeatable max of 8 hrs)

Musical theatre vocal ensemble. Repeatable seven times for a total of eight credit hours.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

THEA 307 Musical Theatre Workshop I 3 Hours (repeatable max of 9 hrs)

Practice in integrating singing, acting, and movement using musical theatre repertoire from 1920 to present.

Prerequisite(s): THEA 101

Course Fee: \$50

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

THEA 311 Stage Management 3 Hours

Theoretical grounding and practical training in stage management.

Prerequisite(s): PERF 120 with a minimum grade of C

Recent Term(s) Offered: fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

THEA 312 Stage Management Practicum 3 Hours

Requires a concurrent stage management assignment. A practical application course designed to dovetail with an actual stage management assignment providing theoretical grounding and practical "on-the-job" experience in stage management.

Recent Term(s) Offered: None

THEA 319 Design II 3 Hours

Application of fundamental design concepts and techniques to the design of scenery, costumes and lighting for the theatre.

Prerequisite(s): THEA 219

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

THEA 322 Stage Design 3 Hours

This course presents basic principles for designing theatre scenery. The student will create designs for three plays, including one complete design with drafting, sketches and a model.

Prerequisite(s): THEA 222 with a minimum grade of C and THEA 319 with a minimum grade of C

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

THEA 323 Period Styles in Design 3 Hours

The study of aesthetic styles as general artistic principles and in costume and decor applications. Emphasis on design as communication across cultures and time periods. No prerequisites required, but taking an introductory art and/or design course in any field before taking this course is recommended. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2021; spring 2022

THEA 324 Applied Vocal Styles I 1 Hour (repeatable max of 2 hrs)

Topic-based individual or small group instruction in applied vocal styles for the theatre. Note: Restricted to students pursuing a BFA Performing Arts-Musical Theatre concentration with at least sophomore standing.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

THEA 325 Theatre in Education 3 Hours

An overview of strategies for teaching theatre to students in grades K-12. Topics covered include curriculum development, creative dramatics, arts integration, and assessment.

Recent Term(s) Offered: fall 2021; fall 2022

THEA 330 Stage Combat II 3 Hours (repeatable max of 9 hrs)

Staged swordplay technique and choreography featuring single rapier.

Prerequisite(s): THEA 230

Recent Term(s) Offered: None

THEA 341 Culture and Performance 3 Hours

An exploration of how dramatic works reflect, challenge and influence cultural norms and how performance can identify and address social problems. **Colonnade/Statewide General Education Code K-SC**

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: winter 2020; spring 2020; spring 2021; fall 2021

THEA 358 Drama Writing 3 Hours

A concentrated study of the techniques of drama writing emphasizing contemporary theory and practice.

Prerequisite(s): ENG 200 and ENG 203 or ENGL 203C

Equivalent(s): ENG 358

Recent Term(s) Offered: spring 2021; spring 2022

THEA 363 World Theatre History I 3 Hours

A study of influential, worldwide theatrical movements, ideas, technologies and personalities that shaped the development of theatre from origin theories through 17th century.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

THEA 364 World Theatre History II 3 Hours

A study of influential, worldwide theatrical movements, ideas, technologies and personalities that shaped the development of theatre from the 18th century to the present.

Recent Term(s) Offered: spring 2021

THEA 365 U.S. Theatre History 3 Hours

Survey of U.S. theatre history, with a focus on the 20th century to the present.

Recent Term(s) Offered: spring 2020; spring 2022

THEA 371 Directing I 3 Hours

A combined theory/studio course designed to provide both a theoretical framework and practical experience with the stage director's pre-production process, including: dramaturgical research and analysis, production conceptualization, promptbook preparation, the fundamentals of stage composition, organic blocking and the director/designer collaboration.

Prerequisite(s): THEA 252

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; spring 2022

THEA 375 Topics in Drama 3 Hours (repeatable max of 9 hrs)

Topics-based course focusing on a particular area of dramatic theory and/or literature.

Prerequisite(s): (THEA 252 or ENG 354 or ENG 355)

Recent Term(s) Offered: spring 2020; fall 2020; fall 2021; spring 2022; fall 2022

THEA 380 Directing II 3 Hours

Applied practice in ground-plan development and implementation, organic blocking, coaching actors, and rehearsal management.

Prerequisite(s): THEA 371

Recent Term(s) Offered: spring 2021

THEA 385 Applied Vocal Styles II 1 Hour (repeatable max of 6 hrs)

Topic based individual or small group instruction in applied vocal styles for the theatre.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

THEA 391 Theatre for Young Audiences 3 Hours

An examination of the selection, preparation, and presentation of plays for children. Emphasis on analysis of plays for young audiences, script sources and production planning.

Prerequisite(s): THEA 252

Recent Term(s) Offered: None

THEA 392 Production of Theatre for Children 3 Hours (repeatable max of 27 hrs)

A practical application of children's theatre training by means of a traveling children's theatre production company performing on campus and in the surrounding area.

Prerequisite(s): THEA 371 and THEA 372 and THEA 391

Recent Term(s) Offered: fall 2021; fall 2022

THEA 401 Period Styles Lab 3 Hours

Intensive, collaborative scenework, focusing on the special demands of analyzing, conceptualizing and performing period plays, with an emphasis on verse drama.

Prerequisite(s): (THEA 301 or THEA 371)

Recent Term(s) Offered: None

THEA 407 Musical Theatre Workshop II 3 Hours (repeatable max of 9 hrs)

A continuation of musical theatre study begun in THEA 307, this course offers advanced character study for both songs and scenes in the American musical theatre repertoire from 1920 to present.

Prerequisite(s): THEA 307

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

THEA 410 Playing Shakespeare 3 Hours (repeatable max of 6 hrs)

Advanced acting course focusing on the application of performance and characterization skills in the performance of Shakespearean/Jacobean dramatic literature.

Prerequisite(s): THEA 301

Recent Term(s) Offered: None

THEA 412 Special Topics in Acting 3 Hours (repeatable max of 9 hrs)

Topics-based course focusing on a particular area of advanced acting craftsmanship.

Prerequisite(s): THEA 301

Recent Term(s) Offered: None

THEA 414 Acting IV 3 Hours (repeatable max of 9 hrs)

Advanced scene style focusing on collaboration skills and working with directors.

Prerequisite(s): THEA 301

Recent Term(s) Offered: None

THEA 422 Stage Lighting Design 3 Hours

Lighting equipment is demonstrated and the student is provided practical experience in working with lights for the major productions, at a time other than the class period. Each student will design the lighting for a full-length play.

Recent Term(s) Offered: spring 2021

THEA 424 Topics in Design and Technical Theatre 3 Hours (repeatable max of 15 hrs)

Repeatable once with a different topic. A special-problems course for advanced study in the area of technical theatre: scenery, costume, lighting and sound. The topic and project organization are to be submitted by the student and approved by the faculty during the semester prior to the project.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022; fall 2022

THEA 425 Play Production in the Schools 3 Hours

Offers practical instruction in the fundamentals of theatrical production at the secondary school level. Emphasis on providing current and future teachers with resource materials and practical solutions to the challenge of producing and directing high quality theatre in the schools.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

THEA 430 Musical Theatre History 3 Hours

Survey of U.S. musical theatre history from the 18th century to the present, with an emphasis on the 20th century to the present. Note: Permission of instructor.

Prerequisite(s): THEA 252

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

THEA 431 Musical Theatre Repertoire 3 Hours

A performance-based study of musical theatre repertoire and vocal styles from 1920 to present day using both scripts and scores. Performance work will occur in solo and small group settings. Note: Permission of instructor.

Prerequisite(s): THEA 300 and MUS 100 and MUS 350

Course Fee: \$35

Recent Term(s) Offered: fall 2020; fall 2021

THEA 441 Costume Design 3 Hours

An advanced course for theatre majors as well as those interested in understanding the concept of costuming. Emphasis is placed upon the historical and practical aspects of theatrical costume design.

Prerequisite(s): THEA 319

Recent Term(s) Offered: spring 2021

THEA 499 Studies in British Theatre 3 Hours

A study of the British theatre highlighted by a tour to England and viewing of representational plays of the English theatre, including visitations to supplementary historical and cultural sites.

Recent Term(s) Offered: winter 2020; summer 2022

University Experience-So Camp (UCC)

UCC 175C University Experience 3 Hours

Special Requirements: For students with fewer than 36 semester hours or permission of instructor. Topics include: Critical thinking, information and technology literacy, exploration of majors and careers, study skills, personal development and campus resources information.

Recent Term(s) Offered: None

UCC 176C Special Topics 1 Hour (repeatable max of 3 hrs)

Prerequisite(s): Permission of instructor. Exploration of a particular topic; varies by instructor and section. Repeatable for a maximum of 3 hours.

Corequisite(s): UCC 175C

Recent Term(s) Offered: winter 2020; summer 2020; winter 2021; summer 2021; winter 2022; summer 2022

UCC 200C Introduction to American Academic Culture 3 Hours

Open to international non-native/English-speaking students with graduate student status; or with instructor permission. A course for international non-native/English-speaking-graduate students to strengthen skills in academic English and to assist their acclimation to American academic culture. May not be applied toward completion of any graduate program.

Recent Term(s) Offered: None

UCC 250C Seminar in Peer Mentoring 2 Hours

An introduction to effective mentoring techniques and leadership skills, including an examination of mentoring and leadership theories and styles. Note: Permission of instructor may be required.

Prerequisite(s): (UC 175 or UCC 175C)

Recent Term(s) Offered: None

UCC 251C Practicum in Peer Mentoring 1 Hour (repeatable max of 3 hrs)

Supervised mentoring experience in an appropriate first-year student setting. Students may repeat this course up to a maximum of three credit hours. Note: Permission of instructor required.

Prerequisite(s): UCC 250C

Recent Term(s) Offered: None

User Experience (UX)

UX 220 Introduction to User Experience Design 3 Hours

Introduces user experience design theory - the practice of placing users and their needs as the focus of designing products, environments, web sites and/or applications. Students learn the five stages of "design thinking" as part of the UX process: empathize, define, ideate, prototype, and test.

Prerequisite(s): (SOM 210 with a minimum grade of C or AD 210 with a minimum grade of C or ART 243 with a minimum grade of C)

Restriction(s): Enrollment is limited to students in User Experience (1747) , Game Design (1761) , Graphic Design (1762) , Studio Art (312) , Art History (316) , Digital Advertising (351) , Computer Animation (352) , Graphic Design (385) , Visual Studies (509) , Visual Arts (514) , Visual Arts (514P) , Art History (613) , Advertising (727) , Advertising (Seeking Adm) (727P) or Spanish (778)

Course Fee: \$85

Recent Term(s) Offered: fall 2022

UX 300 User Experience Strategy & Content Creation 3 Hours

A hands-on multimedia strategy and content creation course for creatives. Applies the synthesis of brands' value proposition and persuasion techniques to create effective messaging and visual strategies in design assets. Explores and applies various techniques to adapt content for use in print, digital, and social communications platforms. Creates multi-media assets implementing content development decisions informed and supported by intensive audience research. Reviews current, historical, and cultural trends to understand how design can influence consumers, our society, and our culture.

Prerequisite(s): (ART 243 with a minimum grade of C or AD 210 with a minimum grade of C)

Restriction(s): Enrollment is limited to students in User Experience (1747) , Game Design (1761) , Graphic Design (1762) , Studio Art (312) , Art History (316) , Computer Animation (352) , Graphic Design (385) , Visual Studies (509) , Visual Arts (514) , Visual Arts (514P) or Art History (613)

Recent Term(s) Offered: fall 2022

UX 330 User Interface Design 3 Hours

Exploration into the design process and techniques for creating interactive experiences. Encompasses information architecture, usability, front-end programming and design literacy, as well as applied user-interface design.

Prerequisite(s): AD 210 or SOM 210 or ART 243

Course Fee: \$85

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

UX 340 Introduction to Developing and Prototyping for Interactive Design 3 Hours

Introduction to concepts, principles, and skills designers require to code and program interactive media platforms. Explores modern markup languages and content management systems. No programming experience required.

Prerequisite(s): UX 220 with a minimum grade of C or UX 300 with a minimum grade of C or UX 330 with a minimum grade of C

Course Fee: \$85

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

UX 350 Programming for Designers 3 Hours

An advanced interactive coding course utilizing markup languages required for control of interactive media products and user experiences. Note: Permission of instructor may be required.

Prerequisite(s): (IXD 320 with a minimum grade of C or UX 320 with a minimum grade of C) and SJB 330 with a minimum grade of C and SJB 340 with a minimum grade of C

Course Fee: \$85

Recent Term(s) Offered: None

UX 380 Gaming, Culture, Theory and Practice 3 Hours

Examination of video games, their impact on society, gaming theories, and gaming principles. Students will be able to analyze and understand games, the game industry, and the gaming community. Livestreaming experience will be gained through this course.

Course Fee: \$85

Recent Term(s) Offered: spring 2021; spring 2022

UX 400 User Experience Advanced Studio I 3 Hours

Explores advanced methods of scripting, the use of forms, and the implementation of embedded media (audio, video and animation). The course includes discussion of strategic design, navigation, digital ergonomics, information architecture, way finding, semiotics, symbolism and electronic publishing, and provides a foundation for the creation of web-based multi-media projects.

Prerequisite(s): (UX 330 with a minimum grade of C or SOM 340 with a minimum grade of C) and UX 340 with a minimum grade of C

Course Fee: \$85

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

UX 430 Advanced User Interface Design 3 Hours

Advanced level course that combines previously acquired UX/UI skills with new strategies for designing, building, implementing, and evaluating interactive digital interfaces with a human-centered approach by applying best practices and design principles of user interface design. Students will use the human-centered design process to understand users and design digital tools that are both intuitive and technically sound. This course places a strong focus on research, individualized and collaborative self-directed projects, and experiential learning through hands-on, projects-based instruction.

Prerequisite(s): UX 330 with a minimum grade of C

Restriction(s): Enrollment is limited to students in User Experience (1747) , Game Design (1761) , Graphic Design (1762) , Studio Art (312) , Art History (316) , Computer Animation (352) , Graphic Design (385) , Visual Studies (509) , Visual Arts (514) , Visual Arts (514P) or Art History (613)

Recent Term(s) Offered: None

UX 440 Advanced Developing and Testing for Interactive Design 3 Hours

Advanced discussion of concepts, principles, and skills required to code, program and develop for interactive digital platforms including web, mobile, virtual, and augmented media platforms. Includes an advanced exploration of modern markup languages and content management systems used by designers. Students will learn human-centered design principles, techniques, and processes, and investigate testing methods to ensure both effective design and effective dissemination of information and data.

Prerequisite(s): UX 340 with a minimum grade of C and UX 400 with a minimum grade of C and UX 430 with a minimum grade of C

Restriction(s): Enrollment is limited to students in User Experience (1747), Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P) or Art History (613)

Recent Term(s) Offered: None

UX 450 User Experience Advanced Studio II 3 Hours

Students collaborate to research, create and promote websites and/or applications for commercial and non-commercial projects. Synthesizes all elements of user-experience design and branding in a collaborative environment.

Prerequisite(s): UX 400 with a minimum grade of C

Restriction(s): Enrollment is limited to students in User Experience (1747), Game Design (1761), Graphic Design (1762), Studio Art (312), Art History (316), Computer Animation (352), Graphic Design (385), Visual Studies (509), Visual Arts (514), Visual Arts (514P), Art History (613), Advertising (727) or Advertising (Seeking Adm) (727P)

Course Fee: \$85

Recent Term(s) Offered: None

Utility Management (UM)

UM 101 Water Utility Management 3 Hours (repeatable max of 9 hrs)

Overview of water and wastewater utility activities and functions leading to professional designation in utility management.

Recent Term(s) Offered: None

UM 205 Water Utility Organization, Regulation and Law 3 Hours

Overview of the organization, structure, and legal aspects of water and wastewater utilities.

Prerequisite(s): UM 101

Recent Term(s) Offered: None

UM 215 Water Utility Finance and Administration 3 Hours

Overview of the financial and administrative aspects of water and wastewater utilities.

Prerequisite(s): UM 101

Recent Term(s) Offered: None

UM 225 Human Resource Management for Water Utilities 3 Hours

Overview of the staffing, compensation, and human resources utilization aspects of water and wastewater utilities.

Prerequisite(s): UM 101

Recent Term(s) Offered: None

UM 235 Water Utility Management and Human Relations 3 Hours

Overview of the management and human relations aspects of water and wastewater utilities including board/manager, employee, public, and other utility relations.

Prerequisite(s): UM 101

Recent Term(s) Offered: None

UM 245 Modern Technology and Water Utility Management 3 Hours

Overview of the essential functions of public drinking water and wastewater utilities focusing on the emerging technologies and evolving legislation that drive quality and quantity issues.

Prerequisite(s): UM 101

Recent Term(s) Offered: None

UM 290 Internship: Utility Management 3 Hours (repeatable max of 6 hrs)

Internship in water/wastewater management. May be paid or unpaid. Coordination required via WTI Program Coordinator. Note: Requires placement by the WTI Program Coordinator and instructor's permission required.

Prerequisite(s): WTTI 200

Recent Term(s) Offered: None

Water/Wastewater Technology (WTTI)

WTTI 200 Water Supply and Wastewater Control 3 Hours

This course is designed to familiarize the student with water supply and wastewater control. Emphasis is on the operational aspects of water supply, water distribution, wastewater collection, and wastewater treatment and disposal. Upon completion, students should be able to apply technical concepts and principles of water supply and wastewater control.

Recent Term(s) Offered: None

WTTI 201 Hydrology for Water Operations 0.5 Hours

The properties, distribution, and circulation of water as it moves through the atmosphere, across and below the earth's surface, with emphasis on water and wastewater operations. Topics include the hydrologic cycle, groundwater, rainfall, droughts, and volume and flow.

Recent Term(s) Offered: None

WTTI 202 Drinking Water Sources, Quality and Standards 0.75 Hours

Examination of sources of drinking water, including identification of the various types and sources of contaminants in natural and artificial water systems, and standards used to establish drinking water quality.

Recent Term(s) Offered: None

WTTI 203 Introduction to Drinking Water Treatment 0.5 Hours

Introduction to the processes and equipment used to create safe drinking water, including treatment at the source, preliminary treatment, and purification.

Recent Term(s) Offered: None

WTTI 204 Introduction to Wastewater Treatment 0.5 Hours

Introduction to the equipment, structures, and processes used in the treatment of wastewater. Examines various legislation and regulations pertaining to wastewater treatment and effluent standards.

Recent Term(s) Offered: None

WTTI 205 Introduction to Drinking Water Distribution 0.5 Hours

Introduction to the equipment and structures used in drinking water transmission and distribution systems. Topics include system design and maintenance, the use of centrifugal pumps and water mains, and computer applications.

Recent Term(s) Offered: None

WTTI 206 Instruction to Wastewater Collection 0.5 Hours

Introduction to the equipment, structures, and design of wastewater collection systems. Topics include the layout and construction of sanitary sewers, lift stations, infiltration and inflow, and treatment methods.

Recent Term(s) Offered: None

WTTI 210 Water Treatment Processes 3 Hours

This course is designed to train prospective wastewater treatment plant operators and managers in the practical aspects of operating and maintaining wastewater treatment plants, with emphasis on the use of safe practices and procedures. Students will learn how to safely operate and maintain coagulation, flocculation, sedimentation, filtration, and disinfection processes. They will also learn how to control tastes and odors in drinking water, control corrosion to meet the requirements of the Lead and Copper Rule, perform basic water laboratory procedures, and solve arithmetic problems commonly associated with water treatment plant operation.

Prerequisite(s): WTTI 200

Recent Term(s) Offered: None

WTTI 211 Wastewater Treatment Processes 3 Hours

This course is designed to train prospective wastewater treatment plant operators and managers in the practical aspects of operating and maintaining wastewater treatment plants, with emphasis on the use of safe practices and procedures. Students will learn how to safely operate and maintain racks, screens, comminutors, sedimentation tanks, trickling filters, rotating biological contractors, package activated sludge plants, oxidation ditches, ponds, and chlorination facilities. Students will also learn how to analyze and solve operational problems and how to perform mathematical calculations relating to wastewater treatment process control.

Recent Term(s) Offered: None

WTTI 212 Water Distribution and Wastewater Collection Systems 3 Hours

This course is designed to enable students to understand the operation and maintenance of a waterworks distribution system and to familiarize students with the components of wastewater collection systems. Overview of design installation, operation, monitoring, maintenance and repair/rehabilitation of sewer pipelines, pump stations and related facilities.

Recent Term(s) Offered: None

WTTI 213 Basic Drinking Water Treatment Processes 0.75 Hours

The effects of characteristics of water that hinder quality and treatment techniques which improve water quality. Topics include fluoridation, and the treatment and control of iron, manganese, and hard water.

Prerequisite(s): WTTI 203

Recent Term(s) Offered: None

WTTI 214 Coagulation and Flocculation Processes in Water Treatment 0.5 Hours

Examination of the processes that remove suspended solids from drinking water and wastewater. Topics include chemicals used, rapid-mix facilities, flocculation facilities, regulations, dosage control, safety precautions, and record keeping.

Prerequisite(s): (WTTI 203 or WTTI 204)

Recent Term(s) Offered: None

WTTI 215 Sedimentation Basins and Clarifiers in Water Treatment 0.5 Hours

Course outlining the use sedimentation processes in water treatment. Topics include equipment and structures utilized in the process, operation, other clarification processes, and record keeping.

Prerequisite(s): (WTTI 203 or WTTI 204)

Recent Term(s) Offered: None

WTTI 216 Water Filtration Processes 0.5 Hours

Equipment, structures, and operational factors used in filtration systems for water and wastewater treatment facilities. Topics include approaches to filtration, gravity filters, pressure filtration, regulations, safety precautions, and record keeping.

Prerequisite(s): (WTTI 203 or WTTI 204)

Recent Term(s) Offered: None

WTTI 217 Water Disinfection Processes 1 Hour

Equipment, structures, and processes used during the disinfection process in water and wastewater treatment. Topics include chlorination processes, other oxidant processes, disinfection regulations, control tests, safety precautions and record keeping.

Prerequisite(s): (WTTI 203 or WTTI 204)

Recent Term(s) Offered: None

WTTI 220 Calculations and Hydraulics for Water 3 Hours

This course is designed to provide the student with an understanding of the mathematical principles and practical hydraulic design related to water supply. Topics include the treatment and distribution of water. Study includes solving problems related to treatment systems including hydraulic volumes, dimensional analysis, calculations and chemical dose rates as it relates to water treatment and distribution. Provides information and procedures necessary to predict and manipulate the hydraulics of water transmission. The primary work assignments involve the reading and using of hydraulic principles and then applying them in a real-life case analysis. Upon completion, students should be able to apply principles of mathematics and hydraulic systems to water management practices.

Prerequisite(s): WTTI 200

Recent Term(s) Offered: None

WTTI 221 Calculations and Hydraulics for Wastewater and Stormwater 3 Hours

This course is designed to provide the student with an understanding of the mathematical principles and practical hydraulic design related to wastewater and stormwater control. Topics include the collection and treatment of domestic and industrial wastewater, wastewater collection and stormwater. Study includes solving problems related to treatment systems including hydraulic volumes, dimensional analysis, primary and secondary sewage treatment, calculations and chemical dose rates as it relates to wastewater and stormwater technology. Provides information and procedures necessary to predict and manipulate the hydraulics of wastewater and stormwater collection. The primary work assignments involve the reading and using of hydraulic principles and then applying them in a real-life case analysis. Upon completion, students should be able to apply principles of mathematics and hydraulic systems to wastewater and stormwater management practices.

Prerequisite(s): WTTI 220

Recent Term(s) Offered: None

WTTI 222 Water and Wastewater Instrumentation and Control 3 Hours

This course focuses on the basic fundamentals of instrumentation applicable to water and wastewater management. The application, maintenance, and calibration of instruments in water and wastewater systems are emphasized. Upon completion, students should be able to read, calibrate and maintain mechanical, electrical, hydraulic, and pneumatic sensing equipment; and indicating, recording, and control equipment.

Prerequisite(s): WTTI 200

Recent Term(s) Offered: None

WTTI 223 Basic Calculations for Water Operations 1.25 Hour

Introduction to calculations used by operators to determine load, demand and other quantities critical to water and wastewater operations. Topics include per capita water use, domestic water use based on household fixture rates, water use per unit of industrial product produced, demand analysis, and load estimation.

Recent Term(s) Offered: None

WTTI 224 Basic Hydraulics for Water Operations 1 Hour

Basic hydraulic concepts and calculations necessary for operating water and wastewater systems. Topics include basic properties of fluids, pressure and force, head and head loss, pumping calculations, flow, thrust control, and computer applications.

Recent Term(s) Offered: None

WTTI 225 Basic Hydraulics in Drinking Water Distribution Networks 0.5 Hours

Basic hydraulic concepts driving the planning, design, construction, and operation of a pressurized network.

Prerequisite(s): WTTI 223 and WTTI 224

Recent Term(s) Offered: None

WTTI 226 Water Chemistry 3 Hours

This course is designed to explore basic chemical concepts and principles such as elements, compounds, states of matter and reactions that are applicable to evaluating and regulating water quality and applies them to water and wastewater treatment. Students also examine laboratory techniques, equipment, quality assurance, and recordkeeping and reporting.

Prerequisite(s): WTTI 200

Recent Term(s) Offered: None

WTTI 227 Basic Hydraulic Concepts in Wastewater Collection Systems 0.5 Hours

Basic hydraulic concepts driving the planning, design, construction, and operation of wastewater collection systems. Topics include the function and operation of open channel and gravity flow collection system networks.

Prerequisite(s): WTTI 223 and WTTI 224

Recent Term(s) Offered: None

WTTI 230 Advanced Water Treatment Processes 3 Hours

This course is a continuation of WTTI 210 and is designed to train prospective water treatment plant operators and managers in the practical aspects of operating and maintaining water treatment plants, with emphasis on the use of safe practices and procedures. Information is presented on drinking water regulations (including the Safe Drinking Water Act), iron and manganese control, fluoridation, softening, trihalomethanes, demineralization, handling and disposal of process wastes, maintenance, instrumentation, and advanced laboratory procedures.

Prerequisite(s): WTTI 210

Recent Term(s) Offered: None

WTTI 231 Advanced Wastewater Treatment Processes 3 Hours

This course is a continuation of WTTI 211 and is designed to train prospective wastewater treatment plant operators and managers in the practical aspects of operating and maintaining wastewater treatment plants, with emphasis on the use of safe practices and procedures. Topics include conventional activated sludge processes, sledge digestion and solids handling, effluent disposal, plant safety and good housekeeping, plant and equipment maintenance, laboratory procedures and chemistry, use of computers of plant operation and maintenance, analysis and presentation of data, and records and report writing. Students will also learn how to analyze and solve operational problems and how to perform the mathematical calculations relating to wastewater treatment process control.

Prerequisite(s): WTTI 211

Recent Term(s) Offered: None

WTTI 232 Wastewater Microbiology 0.5 Hours

Bacteria and other microscopic organisms in wastewater, the equipment and structures used to grow or remove microorganisms, and the role microorganisms play in the breakdown of waste material.

Prerequisite(s): WTTI 204

Recent Term(s) Offered: None

WTTI 233 Natural Wastewater Treatment Systems 0.5 Hours

Examination of the equipment, structures, and operating factors in natural wastewater treatment systems.

Prerequisite(s): WTTI 204

Recent Term(s) Offered: None

WTTI 234 Basic Infrastructure for Water Distribution & Wastewater 1 Hour

Basic components of drinking water distribution systems and wastewater collection systems, including equipment, structures, and operating factors affecting the planning, design, and construction.

Prerequisite(s): (WTTI 205 or WTTI 206)

Recent Term(s) Offered: None

WTTI 235 Water Distribution System Components 0.75 Hours

Introduction to the components used in drinking water distribution systems and the factors involved in planning, operating, and maintaining them. Topics include hydrants, meters, cross connections, backflow control methods and devices, and records and reporting.

Prerequisite(s): WTTI 205

Recent Term(s) Offered: None

WTTI 236 Water Distribution System Operation and Maintenance 1.25 Hour

Examination of the procedures used in the operation and maintenance of water distribution networks. Topics include pipe shipment and handling, excavation, laying pipe, pressure and leak testing, flushing and disinfection, inspections, site restorations, water main installation, maintaining water quality, maintaining flow and pressure, meter locations, service lines, and thawing.

Prerequisite(s): WTTI 205

Recent Term(s) Offered: None

WTTI 237 Wastewater Collection System Assessment and Repair 0.5 Hours

Procedures used in the operation and maintenance of wastewater collection systems. Topics include operation and maintenance, inspecting and testing components, pipeline and manhole cleaning and inspection methods, and underground repair.

Prerequisite(s): WTTI 206

Recent Term(s) Offered: None

WTTI 238 Wastewater Collection Systems Management 0.5 Hours

Management concepts and considerations in the wastewater industry. Topics include operation and maintenance, information management, system design, construction and assessment, public policy and community relations, budgeting and financial planning, and safety and security.

Prerequisite(s): WTTI 206

Recent Term(s) Offered: None

WTTI 239 Stormwater Management for Operators 0.5 Hours

Control and mitigation of stormwater runoff via wastewater treatment facilities. Topics include estimating stormwater runoff, storm sewer systems, best management practices, floodplains, control of combined sewer overflows, controlling constituent discharges, and computer applications.

Prerequisite(s): WTTI 206

Recent Term(s) Offered: None

WTTI 240 Motors, Engines, and Controls in Water Operations 0.5 Hours

Investigation of the motors, engines, and controls used in water and wastewater treatment operations. Topics include electric motors, combustion engines, electrically driven pumps, motor and engine records, and motor and engine safety.

Recent Term(s) Offered: None

WTTI 241 Introduction to Instrumentation & Control Systems in Water 0.75 Hours

Introduction to the instrumentation and control systems used in water and wastewater operations. Topics include instrumentation, telemetry, control systems, Supervisory Control and Data Acquisition (SCADA) system components, operation and maintenance, flow, pressure, and level measurement, and automation.

Recent Term(s) Offered: None

WTTI 242 Basic Electricity for Water Operations 0.5 Hours

Investigation of the basic concepts and applications of electricity in water and wastewater operations.

Recent Term(s) Offered: None

WTTI 243 Flowmeters, Sensors and Process Measurements 0.5 Hours

Investigation of the equipment and techniques used to measure flow and other process information in water and wastewater operations.

Recent Term(s) Offered: None

WTTI 244 Automatic Process Control for Water Operations 0.75 Hours

Analysis of the equipment and procedures used in the automated control processes in water or wastewater facilities.

Prerequisite(s): WTTI 243

Recent Term(s) Offered: None

WTTI 249 Basic Water Chemistry for Operators 1 Hour

Assessment of the essential chemical properties of water and how they can affect water quality.

Recent Term(s) Offered: None

WTTI 250 Drinking Water Sampling and Analysis 1 Hour

Study of techniques of sampling and laboratory testing of drinking water resources.

Prerequisite(s): WTTI 249

Recent Term(s) Offered: None

WTTI 251 Wastewater Sampling and Analysis 1 Hour

Investigation of the procedures for effectively sampling and analyzing wastewater. Topics include operating laboratory equipment, analyzing in accordance with NPDES permit requirements, and recording laboratory results.

Prerequisite(s): WTTI 249

Recent Term(s) Offered: None

WTTI 252 Water Operator Safety 0.75 Hours

Basic process of ensuring a safe working environment for water and wastewater operators. Topics include inspections, procedures, and programs which ensure safety in the workplace.

Recent Term(s) Offered: None

WTTI 253 Wastewater Regulations 0.5 Hours

Analysis of all major forms of regulation that apply to the wastewater industry. Topics include the evolution of the Clean Water Act, pretreatment program requirements, permit compliance, safety regulations, and the National Pollutant Discharge Elimination System (NPDES).

Recent Term(s) Offered: None

WTTI 254 Corrosion Control in Water Operations 0.5 Hours

Investigation of the methods and techniques used to minimize corrosion in water treatment facilities. Topics include corrosion control methods, facilities, regulations, record keeping, and safety precautions.

Prerequisite(s): WTTI 203

Recent Term(s) Offered: None

WTTI 255 Ion Exchange Processes in Water Treatment 0.5 Hours

Process and equipment used in ion exchange treatment of water. Topics include ion exchange softening, operation of ion exchange processes, and record keeping.

Prerequisite(s): WTTI 203

Recent Term(s) Offered: None

WTTI 256 Adsorption Processes in Water Treatment 0.5 Hours

Analysis of the process and equipment used in the adsorption process in water treatment. Topics include the principles of adsorption, adsorption facilities, regulations, operating procedures, safety precautions, and record keeping.

Prerequisite(s): WTTI 203

Recent Term(s) Offered: None

WTTI 257 Aeration Processes in Water Treatment 0.5 Hours

Investigation of the process and equipment used during the aeration process in water treatment. Topics include process description, types of aerators, regulations, control tests, operating problems, safety precautions, and record keeping.

Prerequisite(s): WTTI 203

Recent Term(s) Offered: None

WTTI 258 Membrane Processes in Water Treatment 0.5 Hours

Exploration of the processes and equipment used in membrane filtration. Topics include microfiltration facilities, pleated membrane facilities, nanofiltration and reverse osmosis facilities, operating programs, and record keeping.

Prerequisite(s): WTTI 203

Recent Term(s) Offered: None

WTTI 259 Introduction to Residuals Management in Water Operations 0.5 Hours

Equipment, structures, and processes associated with residual management in water and wastewater systems. Topics include sludge calculations, removal of sludge by traditional sedimentation processes, softening sludge, and solids separation technology.

Prerequisite(s): (WTTI 203 or WTTI 204)

Recent Term(s) Offered: None

WTTI 260 Suspended Growth Systems in Wastewater Operations 0.5 Hours

Design and processes of suspended growth systems in wastewater treatment facilities. Topics include the operation of activated sludge plants, controlling biomass inventory, energy use and saving opportunities, aerobic digestion, and solids handling.

Prerequisite(s): WTTI 204

Recent Term(s) Offered: None

WTTI 261 Attached Growth Systems in Wastewater Operations 0.5 Hours

Facilities and processes used in attached growth systems. Topics include trickling filters, biological filters, rotating biological contactors, and operation of attached growth systems.

Prerequisite(s): WTTI 204

Recent Term(s) Offered: None

WTTI 262 Nutrient Removal Processes in Water Operations 1 Hour

Equipment, structures, and design factors used in nutrient removal. Topics include nutrients and their effects on the environment, regulations, structured process models for nutrient removal, troubleshooting for full-scale nutrient removal facilities, and aquatic natural treatment systems.

Prerequisite(s): (WTTI 203 or WTTI 204)

Recent Term(s) Offered: None

WTTI 263 Industrial Wastewater Pretreatment Processes 0.5 Hours

Equipment, structures, and process involved in pretreatment of wastewater. Topics include regulations governing industrial pretreatment, troubleshooting, and maintaining pretreatment operations.

Prerequisite(s): WTTI 204

Recent Term(s) Offered: None

WTTI 264 Wastewater Residuals Management 0.5 Hours

Equipment, structures, and processes used in wastewater residuals management. Topics include the stabilization, thickening, dewatering, drying, and composting of sludge, and biosolids reduction processes.

Prerequisite(s): WTTI 259

Recent Term(s) Offered: None

WTTI 265 Record Keeping and Reporting for Water Operations 0.5 Hours

Techniques for keeping effective records and reports for a water or wastewater utility. Topics include computer recordkeeping systems, equipment and maintenance records, plant operations data, procurement and inventory records, personnel records, and disposition of plant and system records.

Prerequisite(s): (WTTI 203 or WTTI 204)

Recent Term(s) Offered: None

WTTI 266 Customer Service and Public Relations in Water Operations 0.5 Hours

Analysis of methods by which water and wastewater utilities deal with customers and the public. Topics include the roles of water distribution personnel and informed employees in public relations, formal public relations programs, and general principles of customer inquiries and complaint investigation.

Prerequisite(s): (WTTI 203) or WTTI 204

Recent Term(s) Offered: None

WTTI 291 Internship: Utility Operations 3 Hours

Internship in water/wastewater operations. May be paid or unpaid. Note: Requires placement by the WTI Program Coordinator and instructor's permission.

Prerequisite(s): WTTI 200

Recent Term(s) Offered: None

Workforce Administration (WFA)

WFA 300 Workforce Administration and Practice 3 Hours

A foundational study of systems management and technology from theoretical, managerial and practical perspectives.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

WFA 346 Workforce Resource Development 3 Hours

An introduction to the principles and concepts of business resources development and management. Emphasis on developing strategic advantage through deployment of appropriate systems.

Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

WFA 347 Workforce Linkage and Applications 3 Hours

Introduction to telecommunications, network, and related system issues and applications in an organizational setting.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

WFA 348 Workforce Structure 3 Hours

An introduction to the various system architectures common to modern business systems.

Recent Term(s) Offered: spring 2020; fall 2020; summer 2021; summer 2022

WFA 443 Workforce Planning and Assessment 3 Hours

Examination of tools and systems used to support strategic planning and decision making.

Recent Term(s) Offered: spring 2021; spring 2022

WFA 444 Workforce Operations and Control 3 Hours

Management of the organization's data resources and information flow, including: project management, systems planning, control and operations.

Recent Term(s) Offered: summer 2020; fall 2020; winter 2022

WFA 446 Workforce Reporting and Development 3 Hours

Examination of security and risk management in organizational systems. Cost-benefit issues, access, availability and efficiency will be analyzed.

Recent Term(s) Offered: spring 2020; summer 2021; summer 2022

WFA 447 Workforce Processes and Technologies 3 Hours

Examination of electronic commerce systems, processes and technologies, and how such systems may be used to develop competitive advantage.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022

Special Programs & Divisions

- Army ROTC (p. 632)
- Center for Innovative Teaching and Learning (p. 632)
- Cohort Programs (p. 632)
- Dual Credit (p. 632)
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Army ROTC

WKU offers students an opportunity to pursue coursework that can lead to commissions with the U.S. Army. The Army ROTC program is available on the WKU main campus and is administered through the Department of Military Science and Leadership in the College of Education and Behavioral Sciences. For more information on the Army ROTC program contact Brandon Smith (brandon.smith@wku.edu) at (270) 745-6054 or visit <http://www.wku.edu/rotc> (<http://www.wku.edu/rotc/>).

Center for Innovative Teaching and Learning

Honors College & International Center

Phone: (270) 745-2106

Website: <http://www.wku.edu/citl> (<http://www.wku.edu/citl/>)

The Center for Innovative Teaching and Learning (CITL) supports the teaching and learning mission of the university. CITL collaborates with faculty to design content and courses that promote an active learning environment for students enrolled in traditional face-to-face instruction, flipped classrooms, blended / hybrid courses, and online courses and degree programs. CITL identifies current and emerging instructional technologies and works with faculty and staff to incorporate these tools and innovations into curricular and co-curricular activities to promote student learning and engagement. CITL also offers an extensive array of professional development opportunities for the university community centered on teaching effectiveness, student learning and engagement, and the use and assessment of high impact practices. These training opportunities are delivered via professional learning communities, seminars, webinars, workshops, and more personalized training events for departments and units.

Cohort Programs

Cohort Programs

Knically Conference Center, Office 125

Phone: (270)745-2162

Email: delo.cohorts@wku.edu

Website: [wku.edu/cohort](https://www.wku.edu/cohort/) (<https://www.wku.edu/cohort/>)

Cohort Programs works with academic departments to provide quality college credit programs designed for a specific number of students, a cohort, who will move through the coursework together. We partner with businesses and industry to develop customized certificates and degree programs that meet the needs of WKU partners.

Dual Credit

Dual Credit

Knically Conference Center, Office 120

Phone: (270)745-2386

Email: dual.credit@wku.edu

Website: [wku.edu/dualcredit](https://www.wku.edu/dualcredit/) (<https://www.wku.edu/dualcredit/>)

Under the direction of the Office of the Provost, WKU Dual Credit serves qualified high school students with the opportunity to earn university credit as part of their high school curriculum. The program provides enrichment opportunities to academically talented students who are ready for the challenge of university coursework.

High school administrators recommend students for participation in Dual Credit based on the student's potential for academic success in a college level program. Students typically receive both high school and university credit upon successful course completion.

Dual Credit students are registered and enrolled in WKU as a "non-degree seeking student prior to high school graduation." Participation in a Dual Credit course does not guarantee admission to WKU as a "degree-seeking freshman." Grades received in Dual Credit courses are recorded as part of the student's official university transcript with WKU and will transfer to most colleges and universities throughout the United States. Courses are offered at a substantially reduced tuition rate and provide a means of preparing college bound students to make a successful transition to post-secondary education.

Dual Credit partners with area high schools to provide students with the opportunity to participate in a variety of online courses. Western Kentucky University and Dual Credit support the Kentucky Council on Postsecondary Education's Dual Credit policy that supports a seamless path of education and training for students.

Fulbright Student and Faculty Programs

Domestic Student Contact:

Dr. Melinda Grimsley

Office of Scholar Development;

WKU Honors College-International Center 1045;

Phone: (270) 745-5043

Email: Melinda.Grimley@wku.edu

International Student or Scholar Contact:

Global Learning Advising and Student Services

Phone: (270) 745-4857

Email: iss@wku.edu

Faculty Contact:

Dr. Anthony Harkins

Fine Arts Center 132

Phone: (270) 745-3957**Email:** Anthony.Harkins@wku.edu

Fulbright student grants for study, research, or teaching abroad are available to well-qualified student applicants holding a bachelor's degree or the equivalent before the beginning date of the grant. Selection is based on academic record, validity of the proposed study, language preparation, and personal qualifications. Interested students should contact Dr. Melinda Grimsley, Office of Scholar Development. The Fulbright international exchange of scholars provides opportunities for selected WKU and foreign university professors to teach and conduct research abroad for up to a full academic year. Interested faculty should contact Fulbright Faculty Liaison Dr. Anthony Harkins.

Global Learning and International Affairs (WKU Global)

Global Learning and International Affairs (WKU Global)

Mr. John Sunnygard, Associate Provost for Global Learning and International Affairs

Honors College & International Center

Phone: (270) 745-4857

Western Kentucky University has a long and rich tradition of international engagement which is represented throughout the university's strategic plan. Global Learning and International Affairs (WKU Global) works on campus and around the world to offer WKU students transformative global learning experiences. WKU Global consists of two units: Global Learning Admissions and Recruitment (GLAR) and Global Learning Advising and Student Services (GLASS). All WKU Global units are housed in the Honors College and International Center building.

Global Learning Admissions and Recruitment (GLAR)

Phone: (270) 745-4857

Email: applyinternational@wku.edu

Website: wku.edu/international (<https://www.wku.edu/international/>)

- **Global Learning Admissions and Recruitment (GLAR):** GLAR is committed to right-fit recruiting whether it is bringing a diverse and qualified of international students to the WKU campus or connecting WKU students to global learning opportunities. This includes setting and ensuring adherence to admission standards, liaising with academic departments and colleges to establish fruitful international partnerships in support of student recruitment, and awarding scholarships.
- **Global Marketing and Communications:** Driven by the goals of WKU's strategic plan, the marketing and communications unit develops and oversees a comprehensive communications plan. Through market research and data-driven strategy, GLIA provides timely information to a wide range of constituents including key support for global learning student recruitment and retention.
- **International Pathway to Academic Success (IPAS):** The IPAS is committed to international student success by delivering a specialized first-year program that offers customized courses, academic support, and co-curricular engagement to facilitate a successful transition to college life at WKU.

Global Learning Advising and Student Services

Phone: (270) 745-4857

Email: study.abroad@wku.edu, isss@wku.edu

Website: wku.edu/international (<https://www.wku.edu/international/>)

- **Study Abroad Advising:** WKU encourages and supports all students seeking the opportunity to incorporate international academic, professional, and cross-cultural experiences into their education. WKU offers a wide variety of international education opportunities for a range of academic disciplines and budgets. Students can choose to study, intern, volunteer, student teach, conduct research abroad or participate virtually during any academic term.
- **International Student and Scholar Services:** International Student and Scholar Services (ISSS) supports WKU's international students, visiting scholars, and their families through immigration advising, advocacy, cross-cultural programming, and training.
- **Global Learning Programming:** GLIA is committed to providing global learning opportunities to the WKU campus community through cross-cultural training, global learning forums, student events, workshops, and topical discussions.

Information Technology Services

Information Technology Services (ITS) is a unit in the Division of Strategy, Operations, and Finance. The goal of ITS is to provide WKU students, faculty, and staff with superior customer service; reliable and timely technical support; state-of-the-art technology tools; technology training; and convenient access to computing and communications resources. ITS continually places specific emphasis on the use of information technology in student learning, faculty teaching, and staff productivity.

ITS services include: providing instructional delivery and support leveraging a variety of technologies to support traditional and online instruction; delivery of information through a mobile app for key systems and services such as email, course schedules, meal plan management, campus maps, and bus schedules; support of Student Technology Center locations (open labs), providing computers and printing services available to all WKU students, faculty, and staff; and support of departmental labs/classrooms.

In addition, WKU ITS provides a number of user support services including a centralized ITS Service Desk and TopperTech, a complimentary repair service for student computers where students and employees can also checkout technology equipment for academic or WKU-sanctioned purposes. These and other services are described in more detail on the WKU ITS web page (<https://www.wku.edu/its/>).

Kentucky Museum

Brent Björkman, Director

1444 Kentucky Street

Phone: (270) 745-2592

Email: Brent.Bjorkman@wku.edu

Website: <http://www.wku.edu/kentuckymuseum> (<http://www.wku.edu/kentuckymuseum/>)

The Kentucky Museum has its origins in the establishment of the Kentucky Building in 1939 as a place for "Kentuckians to know Kentucky." Today, the Kentucky Museum continues this charge while increasing interdisciplinary knowledge of, appreciation, and respect for a collection representative of South Central Kentucky. As a teaching museum, we conduct research, preservation, and interpretation in a variety of fields, with special emphasis on fine, decorative, and folk arts; clothing and textiles; toys; political memorabilia; and other culturally significant items from our community.

Mission Statement

The Kentucky Museum enhances the academic mission of Western Kentucky University and provides quality educational and cultural experiences for our campus and community.

Vision Statement

The Kentucky Museum is a teaching museum with premier cultural collections utilized to complement, support, and challenge the academic experience. We also provide a gathering place for our campus and community to come to know and celebrate who they are as individuals and Kentuckians in the 21st century.

Mahurin Honors College

Craig T. Cobane, Ph.D., Executive Director
Susann Davis, M.H.S., Assistant Director
Honors College & International Center (HCIC)
Phone: (270) 745-2081; Fax: (270) 745-3568
Email: Honors@wku.edu
Website: <http://www.wku.edu/honors>

The Mahurin Honors College (MHC) is a national leader in honors education for academically motivated and high-potential learners from all communities. Our mission is to foster excellence in all forms of expression through research, experiential learning, critical thinking and international engagement. The MHC shares WKU's mission to prepare students of all backgrounds to be productive, engaged and socially responsible citizen-leaders of a global society. The MHC values and prioritizes diversity, equity and inclusion. To this effect, the MHC is committed to creating and sustaining a climate of respect and civility while cultivating interdisciplinary inquiry, intellectual diversity and curiosity.

Participation in the Mahurin Honors College complements students' academic preparation in their major and minor disciplines, and proves to be an asset when applying for graduate/professional schools and career-oriented jobs. Students can, in almost all cases, complete any baccalaureate degree programs and the Mahurin Honors College requirements without increasing the number of hours required for graduation.

Non-Thesis Track

Code	Title	Hours
HON 251	Citizen and Self	3
Honors Lower-Division (Colonnade Courses)		9
HON 275	Honors Internship I ¹	3
or HON 300	Honors Colloquium	
Honors Upper-Division Electives		3
Honors Upper-Division in Major		9
HON 402	CE / T Proposal Writing Course ²	1
Total Hours		28

Capstone Experience/Thesis Track

Code	Title	Hours
HON 251	Citizen and Self	3
Honors Lower-Division (Colonnade Courses)		9
HON 275	Honors Internship I ¹	3
or HON 300	Honors Colloquium	

Honors Upper-Division Electives		3
Honors Upper-Division in Major		3
HON 402	CE / T Proposal Writing Course ²	1
HON 403	Honors Thesis / Project I	3
HON 404	Honors Thesis / Project II	3
Total Hours		28

Honors in the Major track

The Honors in the Major Track is an option for students joining the Mahurin Honors College in their sophomore or junior year. Eligible students have 45-75 of college coursework completed and/or in-progress and a 3.5 cumulative GPA. Honors in the Major is not an option for current members of the Mahurin Honors College or Gatton and Craft Academy alumni.

Code	Title	Hours
Minimum Upper-Division Honors Credit in First major ³		12
Honors Elective (any level/major)		6
Total Hours		18

¹ Can be replaced by 3 hours of Honors elective in any level/major.

² Can be replaced by 1 hour of Honors elective of any level/major.

³ Must include at least 3 hours of capstone coursework and no more than 6 hours of honors lower-division credit.

Admission Requirements

Please see the Prospective Student section of the Mahurin Honors College website for admission requirements at <https://www.wku.edu/honors/admissions/eligibility/index.php> (<https://www.wku.edu/honors/admissions/eligibility/>).

Curriculum

There are three academic tracks within the Mahurin Honors College: the 28-hour Non-Thesis track, the 28-hour Capstone Experience/Thesis (CE/T) track and the 18-hour Honors in the Major track.

Students who complete one of these tracks and graduate with a minimum 3.2 GPA are designated as "Mahurin Honors College" or "Honors in the Major" graduates on their final transcripts. Graduates receive distinctive medallions to be worn at Commencement.

Mahurin Honors College Features

Dedicated Course Sections

To facilitate greater faculty-student interaction, enrollment in honors sections is limited to honors-eligible students. Innovative course design, highly motivated students, and outstanding faculty create an intellectually engaging environment promoting critical thinking and problem-solving skills.

Colloquia

Honors Colloquia are small, collaborative academic seminars with an emphasis on active learning, class discussion, and critical-thinking. Colloquia challenge and engage students through their interdisciplinary nature, providing for a distinctive academic experience.

Augmented Courses

Students enrolled in non-honors upper-division sections may develop an Honors Augmentation Contract with the faculty member, academic department, and the Mahurin Honors College to receive honors credit.

This option transforms the course into an honors experience, thus expanding the range of courses in which a student can have an enhanced intellectual experience.

Capstone Experience/Thesis Project

The Capstone Experience/Thesis (CE/T) project is an original research or creative activity in a student's major(s) and/or minor discipline(s). While the nature and form of the CE/T is flexible, the topic of the CE/T research should reflect the student's academic, intellectual, and professional goals. Upon completion, the title of the CE/T appears on the student's official transcript.

Self-Designed Studies

The Honors Self-Designed Studies (HSDS) major and minor permit students to design unique programs of study when WKU's existing programs do not adequately fit their needs. To better serve the needs of students, there are five separate options for pursuing an HSDS major/minor. For more information about the advantages and opportunities, please see: <https://www.wku.edu/honors/academics/self-designed-studies/index.php> (<https://www.wku.edu/honors/academics/self-designed-studies/>).

Priority Registration

Priority registration allows students greater flexibility constructing their schedule by allowing them to sign up for classes before the general student population. Honors students in good standing are eligible for Priority Registration after consulting with their Honors Academic Advisor.

Housing

Students may choose to live (space permitting) in an honors co-educational residence hall. A request for honors housing must be indicated on a student's housing application.

Grants

Students are eligible to apply for grants to support a range of engaged out-of-classroom experience. For more information, please see <https://www.wku.edu/honors/admissions/scholarships/index.php> (<https://www.wku.edu/honors/admissions/scholarships/>).

Office of Scholar Development

Lindsey Houchin, Assistant Director
Honors College - International Center 1045
Phone: (270) 745-5043
Email: osd@wku.edu
Website: <http://www.wku.edu/osd/>

The Office of Scholar Development (OSD) mentors students applying for nationally competitive scholarships that fund "academic extras" beyond what's covered in tuition, such as study abroad, research, professional experience, and more.

From first drafts to final submissions with multiple revisions in between, OSD helps students make more possible regardless of their major or means. By conceptualizing and revising the stories they tell in application essays and interviews, students better understand their strengths, interests, and purpose—and explore multiple possible pathways to that work.

We are located on the first floor of the Dixie and Peter Mahurin Honors College-International Center on Normal Street. Please email OSD at osd@wku.edu for more information or to schedule an appointment.

Regional Campuses

Western Kentucky University is designated by the Kentucky Council on Postsecondary Education as a regional university responsible for the needs of students in a designated service area consisting of 27 counties.

Under the direction of the Office of the Provost, WKU regional locations bring our university to each region through academic programs, student services, workforce development opportunities, and resources designed to meet the unique needs of each community. Financial assistance (www.wku.edu/financialaid/) and transfer scholarships (www.wku.edu/financialaid/scholarships/transfer.php) are available.

WKU in Glasgow

500 Hilltopper Way
Glasgow, KY 42141
Phone: (270) 861-6900
Email: glasgow@wku.edu
Website: www.wku.edu/glasgow/

WKU in Glasgow offers courses and degree programs designed to meet the unique needs of traditional, transfer, and adult learners within the region. Classes are offered face-to-face, online, and using live-stream technology or through a hybrid of these formats.

WKU in Glasgow staff provide hands-on support, including academic & transfer advising, financial aid counseling, tutoring, writing assistance, testing, and much more. Students also have access to the WKU in Glasgow Learning Commons – a space dedicated for students that includes quiet study areas, computers & printing stations, open workspaces and reading nooks, as well as an area for students to work collaboratively.

WKU in Elizabethtown

Elizabethtown Campus
610 College Street, CRPEC 130
Elizabethtown, KY 42701
Phone: (270) 706-8870
Fax: (270) 745-3730
Website: www.wku.edu/regionalcampuses/etown-ftknox/

WKU in Elizabethtown is located on the Elizabethtown Community and Technical College campus and also offers courses at the Hardin County Schools Early College & Career Center (EC3). WKU in Elizabethtown provides a variety of courses and degree programs designed to meet the unique needs of transfer and adult learners within the region. Students have access to academic & transfer advising, military student services, financial aid counseling, computer labs, tutoring, writing assistance, testing, and other resources to encourage success. Classes are offered face-to-face, online, and using live-stream technology or through a hybrid of these formats.

WKU at Ft Knox

31 Warehouse Street, Building 65
Layaou Hall, Room 103
Fort Knox, KY 40121
Phone: (270) 745-2626
Email: etown-ftknox@wku.edu

Website: wku.edu/regionalcampuses/ftknox/index.php (<https://www.wku.edu/regionalcampuses/ftknox/>) (<http://www.wku.edu/etown-ftknox/>)

WKU has an office located on the Fort Knox command post offering a variety of courses and degree programs designed to meet the unique needs of military students and their families. Classes are offered face-to-face, online, and using live-stream technology or through a hybrid of these formats. Students have access to academic & transfer advising, military student services, financial aid counseling, computer labs, tutoring, writing assistance, testing, and other resources to encourage success.

WKU in Owensboro

4821 New Hartford Road
Owensboro, KY 42303
Phone: (270) 684-9797
Fax: (270) 684-0104
Email: owensboro@wku.edu
Website: [wku.edu/owensboro](http://www.wku.edu/owensboro/) (<http://www.wku.edu/owensboro/>)

WKU in Owensboro provides a variety of courses and degree programs designed to meet the unique needs of transfer and adult learners within the region. WKU staff provide hands-on support, including academic & transfer advising, financial aid counseling, tutoring, writing assistance, testing, and much more. Classes are offered face-to-face, online, and using live-stream technology or through a hybrid of these formats.

WKU in Somerset

University Center of Southern Kentucky
808 Monticello Street
Somerset, Kentucky 42501
Phone: (606) 451-6667 or (270) 861-6920
Email: stephanie.prichard@wku.edu
Website: wku.edu/somerset (<http://wku.edu/somerset/>)

Through a partnership with the University Center of Southern Kentucky at Somerset Community College, WKU offers a variety of courses and degree programs designed to meet the unique needs of transfer and adult learners within the Somerset region. WKU staff provide academic & transfer advising, financial aid counseling, tutoring, writing assistance, and more. Classes are offered face-to-face, online, and using live-stream technology or through a hybrid of these formats.

Suzanne Vitale Clinical Education Complex (CEC)

Dr. Mary Lloyd Moore, CEC Director
Phone: (270) 745-4232
Email: cec@wku.edu
Website: <http://www.wku.edu/wkucec> (<http://www.wku.edu/wkucec/>)

The Suzanne Vitale Clinical Education Complex (CEC) houses the Communication Disorders Clinic, the Renshaw Early Childhood Center, the Family Resource Program, and the Kelly Autism Program. The CEC provides applied research opportunities for both graduate and undergraduate students and valuable services to the community at large. This complex is a comprehensive clinical setting for education and health and human services professionals. The CEC builds upon a strong tradition at Western Kentucky University to meet community needs, fill service delivery gaps, provide opportunities for applied research,

and enrich both undergraduate and graduate students' educational experiences through an interdisciplinary teaching approach. Following is a short description of the units housed within the CEC:

Communication Disorders Clinic

The Communication Disorders Clinic (CDC) provides outpatient services to individuals with communication disorders, offering evaluation and treatment services supervised by certified and licensed faculty in language, articulation, voice, fluency, hearing and swallowing disorders. Phone (270) 745-3469.

Vickie and Dan Renshaw Early Childhood Center

The Renshaw Early Childhood Center (RECC) provides early learning and intervention services to children who are neurodiverse and children who are neurotypical, ages 15 months through kindergarten entry, in inclusive group settings. As a part of the early learning program, the RECC provides field experiences and mentoring for university students in early childhood education, special education, communication disorders, nursing and other related fields. The RECC also serves as a center for research and collaboration with university and community partners and stakeholders. For more information, phone (270) 745-2773.

Family Resource Program

The (Family Resource Program) FRP is the nucleus of the CEC and is the first point of contact. The program supports families as a source of information, referral, and service in all CEC areas. Phone (270) 745-4232.

Kelly Autism Program

KAP provides programming and services for individuals ages 7 through adult who have been diagnosed with autism spectrum disorder (ASD) and other disabilities. KAP focuses on developing social, communication, sensory, executive functioning, transition, community, and academic skills. KAP also provides a six-point Circle of Support program for individuals with ASD who are attending WKU. The program offers a single dorm room, study tables, mentoring, counseling, and weekly advisor meetings. Phone (270) 745-4232.

The Carol Martin Gatton Academy of Mathematics and Science in Kentucky

Dr. Lynette Breedlove, Director
Phone: (270) 745-6565; Fax: (270) 745-2987
Email: academy@wku.edu
Website: <http://www.wku.edu/academy> (<http://www.wku.edu/academy/>)

The Carol Martin Gatton Academy of Mathematics and Science in Kentucky is a residential program on the campus of Western Kentucky University for bright, highly motivated Kentucky high school students who have demonstrated interests in pursuing advanced careers in science, technology, engineering, and mathematics. Students enhance their creativity, curiosity, reasoning ability, and self-discipline through the companionship of peers, university courses, faculty-led research, and study abroad, preparing them for leadership roles in the Commonwealth of Kentucky. The Gatton Academy strives to be a global leader in

education, preparing Kentucky students for tomorrow's STEM careers and infinite possibilities.

Gatton's five tenets guide our decision-making and how we interact with one another, our communities, and beyond.

- Integrity is foundational to all interactions and the ability to make ethical decisions in difficult situations.
- Compassion allows us to demonstrate concern for others, value their feelings, and provide an atmosphere safe and nurturing for everyone.
- Respect communicates the rights and dignity of all people are valued.
- Equality demands individuals be valued for their strengths and potentials.
- Diversity strengthens our community by embracing the differences in all people and the perspectives we each contribute.

Each year, The Gatton Academy admits Kentucky students who apply during their high school sophomore year and are awarded admission based on standardized test scores, grades, responses to essay questions, recommendations, and personal interviews. Instead of spending their junior and senior years in traditional high schools, students enroll in Gatton and live in a uniquely dedicated Gatton Academy residence hall, taking courses offered by WKU. Their classmates are fellow Gatton students and WKU undergraduate students. At the end of two years, Gatton students will have earned a minimum of 60 college credit hours in addition to completing state high school graduation requirements.

The Graduate School

Dr. Ranjit T. Koodali

Associate Provost for Research and Graduate Education

Wetherby Administration Building, Room 207

Phone: (270) 745-2446; Fax: (270) 745-6950

Email: graduate.school@wku.edu

Website: <http://www.wku.edu/graduate> (<http://www.wku.edu/graduate/>)

The Graduate School (<https://www.wku.edu/graduate/>) at WKU offers graduate education in eighty-nine (89) degree and certificate programs. The University confers the Master of Accountancy, Master of Arts, Master of Arts in Education, Master of Arts in Teaching, Master of Business Administration, Master of Fine Arts, Master of Health Administration, Master of Music, Master of Public Administration, Master of Public Health, Master of Science, Master of Science in Nursing, Master of Social Work, Specialist in Education, Doctor of Education, Doctor of Nursing Practice, Doctor of Physical Therapy, and Doctor of Psychology. WKU also offers non-degree Rank I and II and certification-only teacher education programs.

WKU Continuing & Professional Development

WKU Continuing & Professional Development

Knically Conference Center

Phone: (270) 745-1902

Website: www.wku.edu/cpd (<https://www.wku.edu/cpd/>)

CPD oversees four **non-credit** areas:

- Career & Workforce Development (CWD) – provides training in communication skills, team building, supervision, and more to help develop the workforce in our community

- Lifelong Learning (LL) – coordinates professional development learning opportunities and oversees the Continuing Education Unit (CEU) process
- Training Resources & Event Planning Services (TREPS) – facilitates training and events for individuals and organizations through the region, as well as the WKU campus community
- Conference Services - provides meeting support for WKU and public events at the Knically Conference Center and Eva and Jim Martens Alumni Center. The Office of Conference Services coordinates accommodations for events including conferences, corporate trainings, trade shows, receptions, awards banquets, and social gatherings.

WKU Online

WKU Online

Website: www.wku.edu/ao/ (<http://www.wku.edu/ao/>) <https://www.wku.edu/online/>

WKU offers flexible pathways to degree attainment, allowing students to earn a complete degree online or choose to take a combination of face-to-face and online courses. Courses are delivered on the web in semester-based online classes and non-semester-based classes in the on demand format.

There are more than 1,700 courses available each year, and over 80 degree programs and certificates at the graduate and undergraduate levels. In addition, there are several degree programs that allow students to complete a significant portion of required courses online, offering additional options for flexibility within their program of study.

WKU Online also offers an on demand option that provides flex-paced, asynchronous online courses for students to pursue educational experiences outside the traditional college classroom. On demand courses are offered to help undergraduate and graduate students who, because of distance or time constraints, cannot participate in traditional on-campus or semester-based online courses. Over 100 web courses are available and WKU faculty teach all courses.

Online Student Services

South Campus, Office C170

Phone: (270)745-3028

Website: www.wku.edu/online/srp (<https://www.wku.edu/online/srp/>)

Online Student Services provides students with access to support designed to help them succeed in reaching their educational goals. WKU staff answer questions about online degrees and web courses, assist with the admission and course registration process, and connect students to needed resources. Services for online students include an online orientation, library services, research support, an online writing center, and online tutoring. In addition to one-on-one support provided by OPS, live and recorded webinars are also available on a variety of topics. Services are accessible through the Student Resource Portal at www.wku.edu/online/srp (<http://www.wku.edu/online/srp/>). For additional information on services available and online degree programs, please visit www.wku.edu/online (<http://www.wku.edu/online/>).

Online Program Development

South Campus, Office C168

Phone: (270)745-5305

Online Program Development extends support to academic departments to facilitate the development and offering of online learning courses

and programs. OPD offers marketing and promotion and guidance on state authorization and federal regulation compliance. Using data-driven solutions, OPD serves faculty and supports online courses that have a measurable, positive impact on WKU students.

Testing Center at South Campus

South Campus

Phone: (270) 745-5122

Website: [wku.edu/testing](https://www.wku.edu/testing/) (<https://www.wku.edu/testing/>)

The Testing Center at South Campus provides testing services to students taking online courses through WKU and other higher education institutions. The centers are certified through the National College Testing Association (NCTA) and adhere to the professional standards and guidelines provided by the organization. Additionally, the Testing Center at South Campus administers academic placement and workforce certification exams.

On Demand

South Campus, Office C170

Phone: (270) 745-4158

Email: ondemand@wku.edu

Website: [wku.edu/ondemand](https://www.wku.edu/ondemand/) (<https://www.wku.edu/ondemand/>)

WKU Online also offers an on demand option that provides flex-paced, asynchronous online courses for students to pursue educational experiences outside the traditional college classroom. On demand courses are offered to help undergraduate and graduate students who, because of distance or time constraints, cannot participate in traditional on-campus or semester-based online courses. Over 100 web courses are available and WKU faculty teach all courses.

Students may register for on demand courses any day of the year and may complete on demand courses in as little as 7 weeks or take up to 9 months. Admission to the University is not required to enroll in on demand options; however, if students intend to pursue a degree, they must be formally admitted. All registrations are considered in-state for tuition purposes. A list of available on demand courses can be found on our website at [wku.edu/ondemand](https://www.wku.edu/ondemand/) (<https://www.wku.edu/ondemand/>) or by viewing WKU's Schedule of Classes and searching by the campus, "On Demand."

WKU Online Recruiting

Knically Conference Center

Phone: (270)745-5173

Email: learn.online@wku.edu

Website: [wku.edu/online](https://www.wku.edu/online/) (<https://www.wku.edu/online/>)

WKU offers an orientation for online learners and provides a place for students interested in online programs to get answers. For a complete list of online degree programs, please visit our website at [wku.edu/online](https://www.wku.edu/online/) (<https://www.wku.edu/online/>). To contact a representative, call (270) 745-5173 or 1-888-4WKUWEB (888-495-8932) or email learn.online@wku.edu.

University Lecture Series

Rodes-Helm Lectures

The Rodes-Helm Lecture Series was endowed in 1961 by Mr. and Mrs. Harold H. Helm of Montclair, New Jersey. Both Mr. and Mrs. Helm were natives of Bowling Green. The lecture series honors the memories of Judge John B. Rodes, former Circuit Judge of Warren County, and Miss Margie Helm, former Director of Library Services at what was then known

as Western Kentucky State College. Income from the endowment fund is devoted to bringing outstanding lecturers to the WKU campus.

L.Y. Lancaster Lectures

Annual lectures by outstanding professionals in the biological sciences field are sponsored by the L.Y. Lancaster Lectureship Society through endowment income. The lectures honor the memory of Dr. Lancaster, an outstanding biology professor and pre-med advisor at Western Kentucky University for 37 years.

W.K.U. - Cultural Enhancement Series

Designed to enrich the cultural life of the university and region, the Cultural Enhancement Series brings prominent artists and intellectuals to campus. Series events give faculty and students the opportunity to interact with visitors informally as well as in public presentations. For more information on the current series, please visit <http://www.wku.edu/culturalenhancement/> or email cultural.enhancement@wku.edu.

W.K.U. - University Center Board Lectures

Several lectures are sponsored jointly by Western Kentucky University and the University Center Board.

W.K.U. - Department Lectures

Frequently, the university joins with departments in sponsoring lecturers on campus.

Student Conduct Policies

Conduct Authority

Ultimate authority to govern student conduct rests with the University's Board of Regents. The Board of Regents has delegated authority to the President. Subsequently, the University President grants authority to the Vice President for Enrollment and Student Experience to assume responsibility to oversee execution of the Code of Student Conduct. When appropriate, the Vice President for Enrollment and Student Experience may delegate conduct authority to additional University officials and committees in keeping with University policies, rules, and regulations.

University's Scope Governing Conduct

The University's scope to address student conduct extends to on-campus and off-campus settings. Additionally, jurisdiction to address student conduct extends to organizations, covers person-to-person interface, and interactions that occur electronically.

Purpose of the Code of Student Conduct

WKU developed the Code of Student Conduct to fulfill its mission, to ensure an environment conducive to learning, to establish high standards of integrity and conduct, and to safeguard students' personal freedoms. These personal freedoms imply particular student rights and responsibilities. For more on Student Rights and Responsibilities, please visit: <https://www.wku.edu/studentconduct/>

Violations of Law and the Code of Student Conduct

Students who violate federal, state, or local laws may incur penalties prescribed by civil and criminal authorities. Nevertheless, the University reserves the right to review student incidents independent of action by civil and criminal authorities and to apply the University student conduct process as it serves the educational mission of WKU, a function separate and distinct from civil and criminal proceedings.

Academic freedom, constructive criticism, and due process of law depend upon civility of behavior by all members of the University community towards all other persons in all circumstances. The University will not tolerate the use or threat of force, violence, coercion, intimidation, obstruction, duress or disruption by any individual or group. Members of the University community found to be participants in such activities will be subject to immediate disciplinary action. Likewise, appropriate measures will be taken to stop and correct such activities by any non-member of the University community, whatever may be the claimed basis for his/her/their presence on the campus.

Following procedures of due process, if the WKU Code of Student Conduct is violated, the responsible parties will go through the University's disciplinary process, which is intended to be a fair and educational experience. Although a student accused of academic or nonacademic misconduct will be granted every consideration, if actions and behaviors of the student are duly found to be detrimental to the University mission, function, property, or wellbeing, the University will apply an appropriate disciplinary outcome.

Any WKU student may be expelled, suspended, placed on probation, or given a lesser outcome for one or more violations of the Code of Student Conduct. The Code can be found at www.wku.edu/studentconduct (<https://www.wku.edu/studentconduct/student-code-of-conduct.php>).

Academic Misconduct

The University expects students to operate with the highest standards of integrity in all facets of the collegiate experience. Broadly defined, academic misconduct is any unethical self-serving action in the performance of academic work, deliberate or unintentional, that affords a student an unfair, unearned, or undeserved advantage.

The maintenance of academic integrity is of fundamental importance to the University. Thus, it should be clearly understood that acts of plagiarism or any other form of cheating will not be tolerated and that anyone committing such acts will be held accountable for violation of the Code of Student Conduct.

Students who commit any act of academic dishonesty may receive from the instructor a failing grade in that portion of the course work in which the act is detected or a failing grade in a course without possibility of withdrawal. The faculty member may also present the case to the Office of Student Conduct.

For more information on Academic Misconduct, visit: www.wku.edu/studentconduct (<http://www.wku.edu/studentconduct/>)

Conduct Actions/Outcomes for Violations of the Code of Student Conduct

Following procedures of due process, when a student is accused of academic or nonacademic misconduct, the alleged policy violator will be required to go through the University's Student Conduct process. Students are presumed Not Responsible until the institution has established every element of the alleged violation; however, this shall not be construed to mean that the complaint or any witness(es) has presented false testimony or evidence. The following list describes University outcomes that may be administered as a result of violating the WKU Code of Student Conduct. A student accused of an alleged violation of the Code of Student Conduct will have the opportunity to review accusations, review any information, and will be able to provide a response. Outcomes may be used independently or in combination depending on the particular circumstance of the violation. Chronic and/or multiple violations during the course of an individual student's college career may increase the severity of outcomes applied. The Office of the

Vice President for Enrollment and Student Experience, or designee, will make the determination whether allegations are sufficiently egregious to warrant consideration of suspension, dismissal, or expulsion. The following shall be factored into the decision-making process:

1. The degree of willfulness or inadvertence;
2. The degree of injury or risk of injury to the accused or to another person, if any;
3. The extent of damage to property, if any;
4. The danger or risk of danger to the University community, if any; and,
5. Any other factor or circumstance bearing reasonably upon mitigation or aggravation or the seriousness of the alleged offense should it be established as a violation

For a list of actions/outcomes and their definitions, visit: www.wku.edu/studentconduct (<https://www.wku.edu/studentconduct/>).

Policy on Parental/Guardian Notification

Western Kentucky University is committed to student health and well-being. As a result, the University is concerned about the effect of alcohol and other drugs on the educational process. The Policy on Parental/Guardian Notification is designed to assist parents in developing a partnership with their student and the University to address behaviors that detract from the educational purpose. The University will notify parents or guardians of dependent students for behaviors associated with The Code of Student Conduct under the following conditions:

1. Any violation of the University Alcohol Policy
2. Any violation of the University Drug Policy
3. The student (under 21) was arrested by University Police in connection with a violation of the Alcohol or Drug Policy, or for DUI, public intoxication, Minor in Possession of any other drug or alcohol-related incident resulting in citation or arrest
4. The student received medical assistance due to incapacitation, suspected incapacitation, or self-injury

The Family Education Rights and Privacy Act (FERPA) allows the disclosure of specific information concerning the use or possession of alcohol or a controlled substance by students under the age of 21.

The goal of parental/guardian notification is to enlist parental/guardian support for fostering more appropriate student behavior to create a safer community environment and reduce the negative impacts of substance abuse.

Tailgating Policy and Procedures

Western Kentucky University encourages an enjoyable experience during tailgating visits to campus. During WKU events and activities, safety is our primary concern. This Tailgating Policy is designed to enhance safety and comfort and should result in an environment free of the abuse or illegal use of alcohol or illegal substances. The university condemns any act related to the consumption of alcohol or illegal substances that impairs, interferes, or endangers the safety or enjoyment of others, including the individual who chooses to consume alcohol or illegal drugs. This policy looks to preserve the academic environment without necessarily restricting other freedoms.

For more information regarding tailgating at WKU, visit: www.wku.edu/studentconduct (<http://www.wku.edu/studentconduct/>)

Policy for Supporting Students in Distress

The intent of the following policies, procedures, and definitions is to support an appropriate living and learning environment at Western

Kentucky University for faculty, staff, and students. Incidents of disruptive behavior, brought on by student distress, will be assessed and a standard of care exercised to both assist the student in distress and to mitigate the ramifications of the distressing behavior on the University community.

Campus Partners Team

The Campus Partners Team (CPT) is a collaborative multidisciplinary team operating under the auspices of the Office of the Vice President for Enrollment and Student Engagement. The team is charged with providing a layer of support for students exhibiting behaviors that instigate concern or imminently reckless behavior. Additionally, the team works jointly to educate the University community on prevention strategies to disrupt the risk of threatening situations. Using a case management theoretical framework, the CPT assesses student behavior, links students to campus and community resources, determines reasonable interventions, determines reasonable modifications to the learning environment when appropriate, and develops and implements a coordinated standard of care plan for students. The Team meets bi-weekly to review referrals from faculty, staff, and students' exhibiting behavioral concerns. The CPT consists of the following offices:

- Office of the Dean of Students
- Office of Student Conduct
- Advising & Career Development Center
- Student Accessibility Resource Center
- University Police Department
- International Student Office
- Counseling Center
- Housing and Residence Life

Confidentiality and the Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act (FERPA) affords privacy protections for educational records without students' express written consent. However, specific exceptions can be made between faculty and staff when necessary to protect the health or safety of the student and others. Therefore, faculty, staff, and students may report concerns about students' behaviors to the CPT without violating FERPA provisions.

Student Services and Activities

Student Activities

Charley Pride, Director of Student Activities

Downing Student Union, 2059

Phone: (270) 745-2459

The Student

Western Kentucky University students have a significant role in the internal governance of the University. Elected or appointed representatives of the student body serve with members of the faculty and administration on policy-recommending councils and committees. Student members of internal governance councils and committees are selected by the Student Government Association. For more information about the membership and function of these committees and councils, contact the Student Association Office, DSU 2045, 270-745-4354.

Student Life Policies

All university citizens enjoy the rights and liberties assured by the constitutions of the Commonwealth of Kentucky and the United States of

America. Likewise, they are subject to the responsibility and obligation to accord respect to the rights of others.

Student Life policies are intended to foster student development and responsibility. Guided by these principles, the Department of Student Activities and Division of Enrollment and Student Experience maintains the mission of the University by ensuring that students are afforded opportunities for civic engagement with respect to the rights of others.

Students' rights, responsibilities, and the Student Code of Conduct are outlined in the Western Kentucky University Student Handbook on the Western Kentucky University website and in the Student Life Policies section of this catalog.

Student organizations, activities, and leadership programs make a great contribution to student life at WKU. All students are encouraged to become involved in organizations whose purposes and activities will contribute to their personal growth and development.

For more information on student activities and organizations, visit <http://www.wku.edu/sao> (<http://www.wku.edu/sao/>) or call at (270) 745-2459.

Dynamic Leadership Institute

WKU students are invited to apply for admission in the Institute. The Institute consists of four phases. Each phase is a semester with six workshops or activities that address a variety of leadership topics. Students are selected to represent a diverse group of ages, interests, and levels of leadership ability. Applications are available at the Leadership & Volunteerism office located in Downing Student Union, Room 2059 or call at (270) 745-2459.

High School Leadership Conference

The Kentucky High School Leadership Conference is held on the campus of Western Kentucky University each semester. This conference helps educate high school students on the importance of leadership and active involvement. Students from across Kentucky, Tennessee, and Indiana gather to obtain information, insight, and an understanding of leadership skills.

Leadership and Volunteerism

The Leadership and Volunteerism office provides a variety of opportunities to students that allow them to engage in developmental activities. This office engages students in numerous service projects including Midnight on the Hill for St. Jude's Hospital, Alternative Spring Breaks, Red Cross blood drives, and Student United Way. For more information call the office at 270-745-2060, or stop by Downing Student Union 2059, or visit our website at: <http://www.wku.edu/sao/>. (<http://www.wku.edu/sao/>)

Volunteer Initiative Program (VIP)

The VIP exists to provide students with information about community service and volunteer opportunities in the Bowling Green area. Students have the opportunity to volunteer their time to local service agencies and get involved in the community. Volunteer opportunities range from one day events to semester long activities. There is something out there for everyone and the experience is priceless. The program is open to all WKU students, faculty, and staff.

Weekend in the Woods

A special retreat is conducted each fall for selected campus freshmen to transfer information, focus on special topics, and promote campus unity. This retreat is part of an invaluable process that helps ensure student

groups and their leaders are working toward the same goal—a better WKU.

Student Organizations

The Office of Student Activities works to provide co-curricular activities for those students who want to become involved at WKU. We have over 300 registered student organizations, ranging from Departmental, Campus Ministries, General Clubs, Honor Societies, Intramural/Recreational, Professional, Service, Student Representative, and Greek Life (Fraternity and Sorority).

Visit our office, DSU 2059 or call (270) 745-2459 or visit our website at <http://www.wku.edu/sao> (<https://www.wku.edu/sao/>).

Check Cashing Services

Two types of personal checks (maximum \$50) may be cashed by the University Cashier's Office in room 208 of Potter Hall.

1. The check may be written by the student and made payable to WKU.
2. The check may be written by the student's parent and made payable to the student.

Western Kentucky University student payroll checks in any amount will be cashed. A student I.D. is required for check cashing services.

Checks may be cashed from 8:00 a.m. to 4:00 p.m., Monday through Friday, at Potter Hall during the fall semester through spring semester. Summer office hours vary.

A charge of \$20.00 will be made for each check returned because of insufficient funds, closed account, or stop payment. The check cashing privilege will be denied to students after two checks have been returned for non-payment. Failure by a student to make prompt payment on returned checks may jeopardize his/her status with the university. Any unpaid, returned checks are subject to being turned over to the County Attorney's Office for collection. Students are advised that the passing of bad checks is a violation of Kentucky statute.

Counseling Center

Dr. Peggy Crowe, Director

Dr. Karl Laves, Associate Director | Licensed Counseling Psychologist
Potter Hall, Office 409

Phone: 270-745-3159

Website: <http://www.wku.edu/heretohelp> (<http://www.wku.edu/heretohelp/>)

College should be challenging, not overwhelming. Sometimes students need help. The Counseling Center at WKU provides the following services without assessing a fee or billing insurance:

1. Individual counseling services for currently enrolled students.
2. Psycho-educational programs for classes, organizations, and departments.
3. Consultation to faculty and staff regarding student mental health related behaviors(s).
4. Referrals to psychiatrists, psychologists, and counselors outside of the university.
5. Crisis/emergency assistance for mental health related situations that arise on campus or in our community.

Dero Downing Student Union

Downing Student Union, Office 1053

Phone: 270-745-5793

Email: DSU.Operations@wku.edu

Website: <http://www.wku.edu/dsu> (<http://www.wku.edu/dsu/>)

The Downing Student Union is truly the crossroads of WKU! Located on the ground floor are The WKU Store, Postal Services, & The Passport Office. On the first floor, visitors will find the Downing Student Union Operations Office, Fresh Food Company, the Food Court, The Red Zone, Starbucks, Burrito Bowl, Student Accessibility Resource Center (SARC), administrative offices for the WKU Restaurant Group, a Study Lounge, the Recreation Room, Nite Class Multipurpose venue, and a 633-seat Auditorium. Located on the second floor is the Office of the Dean of Students, The Advising and Career Development Center, Transfer Center, Student Government Association (SGA), Office for Student Activities, The Intercultural Student Engagement Center (ISEC), The Gallery, The Pride Center, the Spirit Masters Office, and the ID Center. And, the third floor has various sizes of meeting and multipurpose rooms. To reserve space in the Union please visit www.wku.edu/dsu. (<https://www.wku.edu/dsu/>)

Lost and Found

The Downing Student Union Operations Office maintains campus-wide lost and found. A valid picture ID must be provided to claim an item.

Intercultural Student Engagement Center

Dr. Cres'Sena Thomas, Associate Director

Dero Downing Student Union, Office 2041

Phone: 270-745-5066; Fax 270-745-5273

Website: <https://www.wku.edu/isec/>

The Intercultural Student Engagement Center promotes a culturally inclusive campus environment, cultural awareness and competence, inter-group dialogue, engagement, and intercultural interaction, and supports lifelong learning about self and others. The office serves as a hands-on recruitment and retention resource for the many cultural, religious/spiritual, and identity groups reflected within the WKU community. The Center provides student support services to foster academic success and sponsors culturally based celebratory events. Staff within the Intercultural Student Engagement Center carry out programmatic initiatives designed to increase the cultural competency of students, faculty, and staff. Additionally, Center staff manages respectful spaces for students to learn about themselves and others through meaningful experiences, dialogues, and opportunities for growth.

Health Services

1681 Normal Drive

Phone: (270) 745-CARE (2273)

Websites: <http://www.wku.edu/healthservices> (<http://www.wku.edu/healthservices/>)

<http://gravesgilbert.com/ggcwkuhealthservices> (<http://gravesgilbert.com/ggcwkuhealthservices/>)

Graves Gilbert Clinic Health Services is a full service primary care center dedicated to providing the WKU campus and community with quality medical care and health promotion services. On site services include physician and nurse practitioner office visits, psychiatric mental health, women's and men's health, ECG, laboratory, x-ray, allergy shot

administration, immunizations, STI testing/treatment, contraceptives, physicals, drug screenings, occupational health, health education, and wellness services. In addition, Graves Gilbert Clinic is a multi-specialty group with access to a broad array of in-depth health care services.

The staff includes Board Certified Medical Doctors (Family Medicine and Sports Medicine), Nurse Practitioners, registered medical assistants, x-ray and lab technicians. The Clinic is a provider for many insurance plans and will be listed in your group's provider list if we are participating in your plan. Patients need to bring a current copy of their health insurance card, photo id, and applicable co-pay for each visit. Failure to present your insurance card(s) at registration may result in you being considered a self-pay patient with the accompanying expectation of payment at the time of service. If you do not have insurance coverage, a payment of \$100 will be expected at the time of service. If charges are not paid in full on the date of service, you will be requested to provide the Financial Counselor with credit or debit card information.

As a courtesy, we will file insurance when appropriate or bill the patient directly. Our current hours for the fall/spring semester are Monday through Thursday 8:00 a.m. – 6:00 p.m. and Friday 8:00 a.m. – 4:30 p.m. Physicians will be providing after hour call coverage with access to Walk-In Clinic and Emergency Room Services if needed.

Domestic students that are interested in purchasing the student health insurance plan should contact Emmeline Essler via email (emmeline.essler@wku.edu) or by phone at 270-745-2683.

International students that are interested in purchasing the student health plan should contact Toni Dye via email (toni.dye@wku.edu) or by phone at 270-745-4857.

Identification Card

ID Center

Downing Student Union, Room 2125

Phone: (270) 745-2417; Fax: (270) 745-2650

Website: <http://www.wku.edu/idcenter> (<http://www.wku.edu/idcenter/>)

All full-time and part-time students are issued a personal identification card (WKU ID Card). The ID card contains a photo image, the student's name, and WKU ID number. The ID card entitles the full-time student to admission to campus athletic events, use of recreational facilities in the Student Union at student rates, admission to the Preston Center, check-out privileges at the library, and other general University services. It can also be used as a debit card at all Restaurant Group facilities, the WKU Store, WKU Postal Services, Student Health Services, selected vending machines, laundry machines, and more. The ID card for part-time students provides similar privileges as received by full-time students detailed above with the exception of admission to some recreational activities unless an additional fee is paid. The ID card is not transferable and is valid for the duration of one's college career at WKU. Students are expected to carry their ID card at all times and to present the card upon request by University Officials. The WKU ID Card must be surrendered upon demand if revoked by a University Official. The University is not responsible for any loss or expenses resulting from the loss, theft, or misuse of this card. If the card is lost or stolen, it must be replaced at a cost to the student. Application for replacement of an ID card should be made at the ID Center. The ID card is the property of Western Kentucky University.

Intercollegiate Competition

WKU is a member of Conference USA, the Football Bowl Subdivision, and the National Collegiate Athletic Association. Over a seven-year span in C-USA, WKU has captured a league-high 32 conference championships, which is eight more than the next closest member school. WKU has won titles in nine different sports and claimed multiple championships in every year but one. WKU also finished the spring 2021 semester with the highest cumulative career GPA for all student-athletes in school history at 3.19. Thirteen of WKU's 14 sport programs have a team cumulative GPA of 3.0 or higher, with a record 208 student-athletes named to the C-USA Commissioner's Honor Roll in 2021. During the 2020-21 school year, 90 student-athletes earned their degrees from WKU with a combined grade-point average of 3.27.

A comprehensive program of intercollegiate competition in forensic activity is afforded to qualifying students at WKU. Western Kentucky University's speech and debate team is consistently ranked as one of the top teams in the nation (having won 11 American Forensics Association National Speech Tournament Championships and 15 National Forensics Association Individual Events Championships since 2003). WKU has won the Lincoln Douglas Debate Team National Championship 18 times since 1996. WKU is the first and only team in history to win the Debate Team Championship for six consecutive years and the first and only team to ever close out the national final round of competition. WKU's forensics team has won the International Forensics Association World Championship ten times out of ten total attempts. WKU's forensics team is also the only organization to win the AFA National Championship, the NFA Individual Events Team championship, and the NFA Debate Team Championship in the same season, a feat WKU has accomplished for the ninth time in 2021.

The vision of WKU Forensics is to empower students through competitive speech and debate to improve themselves and their communities. Guided by the core values of discipline, innovation, gratitude, and leadership, this highly competitive program offers the student an opportunity to demonstrate academic excellence and to excel in a competition of the intellect. The forensics team is a member of Pi Kappa Delta, the American Forensics Association, the National Forensics Association, and the Kentucky Forensics Association.

Other forms of intercollegiate competition include business teams and agricultural teams.

Campus Recreation & Wellness (CRW)

Justin Cato, Director

Email: Justin.Cato@wku.edu (justin.cato@wku.edu)

Raymond B. Preston Health and Activities Center, Office 20a

Phone: 270-745-6060; Fax: 270-745-2006

Website: <http://www.wku.edu/crw/> (<https://www.wku.edu/crw/>)

The Department of Campus Recreation & Wellness is located in the Raymond B. Preston Health and Activities Center. "Recreation, Fitness, and Fun...Steps To Life Long Activity" expresses the philosophy of this office and one that is implemented by providing recreational and healthy lifestyle opportunities for the university community.

The Raymond B. Preston Health and Activities Center is a 126,000 square foot facility that opened in 1992. It houses six basketball/volleyball/badminton courts, six racquetball courts, two indoor tennis courts, a swimming pool, a fitness center containing cardiovascular, selectorized strength and free weight equipment, a suspended indoor running track, a dance studio, separate faculty/staff and student locker rooms, a

multipurpose room, a smart classroom, a Health and Fitness Lab, an Outdoor Recreation and Adventure Center, a pro-shop, a bike repair shop, and the Campus Recreation & Wellness Office.

Preston Center membership fees for all full-time students are included in their tuition during the fall and spring semesters. Part-time students carrying three or more hours may choose to pay for membership (\$35.00) on a semester basis. Memberships are available for students' spouses and their children. Summer memberships are also available.

The Department of Campus Recreation & Wellness provides students, faculty and staff an opportunity for participation in constructive recreational activities. These programs consist of men's and women's competitive sports, co-recreational sports, faculty/staff activities, recreational free-play, outdoor recreation, sport club activities, instructional programs, fitness services, nutritional education and fitness classes.

The men and women's intramural sport programs are designed to give each student the opportunity to compete in sports and games of his / her choice. Typical activities included in these programs are badminton, basketball, battleship, corn hole tournament, dodgeball, flag football, futsal, pickle ball, soccer, softball, table tennis, tennis, 3-point challenge, 3 on 3 hoops tournament, ultimate Frisbee, and volleyball. The faculty and staff at WKU may participate in the intramural sport program.

The sport club programs help students develop a higher skill level in a particular sport or activity. Each club must be organized and motivated through students' interests and has a faculty advisor. Active sport clubs include adaptive sports, disc golf, fencing, rugby, soccer, tennis, and wrestling. Other sports can be represented if there is sufficient student interest.

The Hattie L. Preston Intramural Sports Complex, located two miles from campus on the corner of Campbell Lane and Industrial Drive, presents a significant addition to the Campus Recreation & Wellness facilities. Twenty-four acres were developed and include eight flag football fields, four softball fields and a combination soccer, rugby, field hockey, and lacrosse field. In the Fall of 2000, state of the art lighting, scoreboards and irrigation systems were added. The centerpiece of the Sports Complex is the two-story field house, which has administrative offices, a lounge, scorekeeping areas, a concessions area, restrooms and a storage area.

The Health & Fitness Lab, located in the Preston Center, provides clinical and educational services to students, faculty and staff of WKU. The Health & Fitness Lab is staffed by degreed and certified fitness professionals, and trained students who are eager to help you address your personal health & fitness needs. The Lab provides all the fitness programming in the Preston Center including group fitness classes and various fitness assessments, exercise prescriptions, weight training orientations, and nutritional counseling and education services. Other programs offered are personal training, massage therapy, and instructional programs such as yoga, dance lessons, self-defense courses, boot camp programs, and much more! Stop by room 20a in the Preston Center to learn more or sign up for any of their services, or check out their website at <https://www.wku.edu/crw/healthfitnesslab/>. (A separate fee is required for these services).

WellU® is the student wellness program at WKU that collaborates with other student services and programs on campus. It is designed to help students engage in services that promote healthy habits and success in the classroom and life in general. The Mission of the WellU® program is to unify student health promotion efforts at WKU. The WellU® program

gives away \$15,000 in scholarships and prizes every year to students for active participation. Check out this great opportunity at www.wku.edu/awellu (<https://www.wku.edu/awellu/>). The Student Wellness Program is located in the Health Services Building (GGC@WKU) on campus adjacent to the Preston Center.

Hilltopper Nutrition is to educate and motivate WKU students, while collaborating with the community, concerning the importance of maintaining wholesome nutrition for their health. Hilltopper Nutrition provides the WKU campus with educational information covering a wide variety of nutrition-related topics and events. Students have access to healthy options all over campus to complement their demanding schedule. The Hilltopper Nutrition program works to provide healthier alternatives to everyday food choices, and provide students with the necessary information to make smarter, healthier choices while on campus. Look for the Healthier Eating Guide all over campus to help identify healthier options with a meal swipe. Don't forget to check out our blog, Hilltopper Nutrition, for information on our favorite nutrition topics. Hilltopper Nutrition is located in the Health Services Building on campus.

The WKU Health Education & Promotion Program (HEP), located in the Health Services Building, provides health education and promotional programming to the student population by assisting in making behavioral changes that enhance all dimensions of health and wellness. Health Education and awareness is offered through a variety of services and programs allowing students to be successful at WKU and beyond. For more information about programs and services, please visit our website at: <http://www.wku.edu/hep/>, or email us at healthed@wku.edu.

The program targets other campus stakeholders/departments, peer health educators, interns, and community organizations to partner in providing educational forums/presentations, workshops, referrals, individual appointments, training programs, and resource materials to educate students. Topics include but are not limited to: alcohol, stress and time management, sleep management, healthy relationships, sexual health, men's and women's health, cold and flu prevention, cancer, nutrition, exercise, mental health issues, tobacco and other drugs, and healthy body image/eating disorders. The program incorporates theory and an evidence-based approach including multi-level prevention strategies such as research and data management, advocating for health environmental changes, providing free HIV testing and prevention counseling services, online alcohol and marijuana self-assessments, quit tobacco services, health communication campaigns/publications and more.

The Outdoor Recreation Adventure Center (ORAC) at Western Kentucky University offers a variety of outdoor programs for the university community at minimal cost to participants. Our goal is to enrich the campus experience through outdoor and cultural immersion experiences for a lifetime of fun and healthy living. Our main offering is our outdoor trips. We offer both local and nation-wide trips taking participants to places such as the Great Smoky Mountains and the Buffalo National River. The activities we participate in are unique on campus and include rock climbing, canoeing, back packing, and mountain biking. Aside from our trips, we provide the campus community with a wide selection of outdoor rental equipment for those who wish to plan their own adventures. Last, but certainly not least, we provide the campus with a full-service bike repair shop fully showcasing our commitment to enriching the campus experience. For more information please contact our office at 270-745-6545. Our friendly staff is there Monday, Tuesday, Thursday, and Friday 12-6pm.

The ORAC manages the WKU Challenge Course which features low ropes elements. The WKU Challenge Course is located at the WKU Agricultural Farm. The WKU Challenge Course provides team-building experiences to foster group cohesiveness and self-empowerment. With 10 low course elements, the sky is the limit for what you can accomplish at the course. You can experience the Challenge Course either by scheduling a group or by taking an academic course. Visit <https://www.wku.edu/challengecourse/> for more information!

Student employment opportunities are available through the Department of Campus Recreation & Wellness in the following areas: receptionists, front desk attendants, facility supervisors, fitness center attendants, lifeguards, group exercise instructors, office assistants, personal trainers, health & fitness lab assistants, ORAC attendants, Bike Shop repairs, challenge course facilitators, intramural and sport club supervisors, and sport officials. We also have employment in the areas of website design, data programming, public relations, and marketing.

Students interested in any aspect of the Campus Recreation & Wellness programs, services, and facilities may come to the Campus Recreation & Wellness offices to obtain information or may phone the office at 270-745-6060. The office is located on the 2nd floor of Preston Center, and is open Monday through Friday from 8 a.m. - 4:30 p.m. Check us out on the web at www.wku.edu/crw/ (<https://www.wku.edu/crw/>).

Military Student Services

Director: Kent Johnson

Phone: (270) 745-4163

Email: military@wku.edu

Website: <http://www.wku.edu/veterans> (<http://www.wku.edu/veterans/>)

Western Kentucky University is committed to providing exceptional and affordable options to our military students. The Office of Military Student Services leads initiatives and offers unique programs to ensure the educational success of our total military student population including active duty, guard and reserve members, veterans, and their family members. Visit <http://www.wku.edu/veterans> (<http://www.wku.edu/veterans/>) to discover services and programs available, a few of which are:

- Free textbook loans to eligible students through the Textbooks For Troops program.
- Discounted Tuition Rate for active duty, reserve, and National Guard members, including active duty officers in the USPHS and NOAA.
- Federal Tuition Assistance help for all service members from all branches.

Since 1972 WKU has provided educational opportunities on post at Ft. Knox. WKU also offers the only Veterans Upward Bound program in KY, an award-winning Army ROTC, an Air Force ROTC partner school program, and so much more.

Western Kentucky University is committed to ensuring flexibility toward obtaining a degree to service members, as stated in the Higher Education Relief Opportunity for Students (HEROES) Act of 2003. Several WKU policies apply specifically as mentioned below:

1. The Military Withdrawal policy permits a service member the ability to withdraw from a course or the entire schedule of classes, and receive a tuition and fee refund.
2. A degree term extension is available, if needed.

3. Service members may request a grade of incomplete if a relatively small amount of work is not completed, allowing an extension due to deployment.
4. The Military Absence Policy for Official Military Duties and Veteran Administration Medical Appointments directs instructors to be flexible and offer accommodations for assignments missed due to official military duties or VA medical appointments.

WKU also supports and complies with the U.S. Department of Education Readmission policy (https://www.ecfr.gov/cgi-bin/text-idx/?SID=39e00d2cf51750ff02f3872015b89388&mc=true&node=se34.3.668_118&rgn=di)

Police Department

Mitch Walker, Chief of Police

Business Number: 270-745-2548

Emergency Number: 911

Fax Number: 270-745-5275

Email: wkupolice@wku.edu

Website: <http://www.wku.edu/police/>

The mission of the Western Kentucky University Police Department is to provide a safe and secure atmosphere that is conducive to learning and teaching.

The Western Kentucky University Police Department is dedicated to supporting this environment through the protection of life and property, preservation of peace, providing proactive Crime Prevention Programs, and enforcing the regulations of Western Kentucky University, the ordinances of the City of Bowling Green, and the statutes of the Commonwealth of Kentucky, in a fair and impartial manner.

Further, the Western Kentucky University Police Department is committed to providing a "Community Policing" Philosophy in its approach to law enforcement, which is a partnership between faculty, staff, students, and police officers that is predominantly service oriented.

The Western Kentucky University Police Department pledges to:

- Maintain a "Service Oriented" department, providing the university community with an exceptional level of law enforcement resources.
- Continue to be an integral part of the university community, by tailoring officer training to areas that will better prepare us to meet the varied needs of those we serve.
- Continue to be an integral part of the larger Warren County Law Enforcement Community, so that all available resources can be used to benefit and inform the university community of relevant information.
- Be more sensitive to the needs of a diverse university community, making our faculty, staff, students, and guests feel welcome on our campus.
- Increase proactive approaches to law enforcement on campus that will discourage repeated criminal activity.

Postal Services

Downing Student Union, Ground Floor

Phone: 270-745-3093; **Fax:** 270-745-2709

Website: <http://www.wku.edu/postal> (<http://www.wku.edu/postal/>)

The University operates a post office, which is located on the ground floor of the Downing Student Union. The Post Office is open 8:30 a.m. to 4:30 p.m., Monday through Friday, except when the University is closed. We

are a full service Post Office with Passport Services, Fax services, Mail Box rentals, and Packaging items. The University Mail Center located in the Service/Supply building delivers official campus mail to residence halls Monday through Friday. All incoming mail from off campus is delivered to residence halls by the Bowling Green Post Office. Therefore, it is imperative that a student furnishes his/her complete mailing address as early as possible to all correspondents.

Restaurant Group

Downing Student Union, Room 1045

Phone: (270) 745-2416

Email: wkurg@wku.edu

WKU Restaurant Group offers a wide variety of dining options...many that will fit your wants and needs. We offer economical and convenient Meal Plans for all students. For additional information or to sign up for a Meal Plan or Dining Dollars account, visit the Restaurant Group (<https://www.wku.edu/wkurg/>), stop by our office in Downing Student Union Room 1045 or call (270) 745-2416.

Top of the Hill

- **DaVinci's in Snell Hall** – A Panera Bread style restaurant, DaVinci's offers muffins, wraps, bagels and hot bagel breakfast sandwiches each morning; easy for the student that is on the go. The lunch menu includes a wide variety of soups, salads, gourmet chips, signature selection sandwiches and wraps made to order. The original menu provides a diverse selection of convenient ready-to-go salads and sandwiches, making it especially well-suited for customers on a tight schedule. The options at DaVinci's are available for breakfast and lunch as well as for a mid-morning or afternoon snack. Located in Snell Hall.

WKU Commons at Helm Library

- **Eiffel Pizza** – Offers French inspired pizza in many exciting ways such as brisket pizza and chicken bacon ranch pizza along with the classic's: cheese and pepperoni. They also offer zesty wings in buffalo, barbeque, and jerk chicken flavors!
- **Moe's Southwest Grill** – Welcome to Moe's! A Mexican restaurant with a Southwest twist. Every hour, we cook all-natural proteins on the grill. And every day, our seasonal salsas and pico de gallo are freshly made in house.
- **Panda Express** – Panda Express features Mandarin and Szechwan wok-cooked entrées. Entrées include favorites like broccoli beef, orange chicken, and Kung pao chicken.
- **Road Trip America** – featuring hand breaded chicken tenders, sandwiches and sides
- **Rising Roll** – offers unique gourmet sandwiches, salads, soups and breakfast dishes made from the freshest ingredients right in our restaurant every day.
- **Spencer's Coffee** – Spencer's has been southcentral Kentucky's destination for world-class coffee and espresso drinks. But coffee is only the beginning. We specialize in all things tasty, including handmade breakfast and scratch pastries. This is a local favorite for a quick, delicious lunch - we start with simple recipes, made with great ingredients.

Center of Campus

- **Hilltopper Hall** – Hilltopper Hub offers all-you-care-to-eat options for all of the campus community. Located in the residential hall, Hilltopper Hall. Offering favorites like made-to-order flatbread pizzas

and rotating home-style meals, Hilltopper Hub is sure to become your happy place.

- **P.O.D. Market @ Bates Runner Hall** – Provisions on Demand (P.O.D.) offers a variety of fresh food, produce and everyday essentials that deliver quality, selection and value. Quite simply, P.O.D. is committed to giving people the stuff they want when they want it. Located in Bates Runner Hall and connected to the SUBWAY @ Bates.
- **Subway @ Bates Runner Hall** – It offers a delicious variety of foot long and 6-inch sandwiches, salads and wraps that are made with a wide assortment of meats, cheeses, vegetables and toppings. All Subway sandwiches are made on freshly baked bread and are prepared right before your eyes, just the way you like it.
- **Fresh Food Company** – Providing our guests with the highest quality foods prepared right before your eyes, The Fresh Food Company offers one of the most exciting dining experiences on campus. It features authentic upscale foods from 'mini-restaurants' – Deli, Dessert, Home, Mongolian Grille, Oven, The Produce Market, Sauté and Simple Selections. Our chefs are ready to serve you a changing menu of specialties including daily vegan/vegetarian options, home-style comfort foods, hand-tossed pizza, made-to-order pasta, a full salad bar, deli offerings, fresh whole fruits and gluten friendly items just to name a few. Simple Selections is an allergen-conscious food station, vegan/vegetarian friendly, Gluten and dairy-free options, items made from scratch and is intended for everyone eating in Fresh Food Company. The Fresh Food Company is a great place to get what you crave and catch up with your friends. Continuous dining from 7 a.m. to 8 p.m. most nights! Located on the Downing Student Union first floor.
- **DSU Food Court** – Whether you're in the mood for a burger, chicken or pizza, the DSU Food Court has something for everyone. Papa John's, Steak 'n Shake and Chick-fil-A are all conveniently located in the heart of campus.
- **RedZone** – WKU's sports themed restaurant, RedZone has something for everyone from wings, nachos and amazing queso to salads and sandwiches. No matter what you are craving you can find it here! Located on the DSU first floor behind the DSU Food Court.
- **Burrito Bowl** – Authentic. International. Bold. Located in the Downing Student Union, Burrito Bowl is one of the hippest restaurants on campus! Whether you are health-conscious or you want to try food from around the world, Burrito Bowl has you covered!
- **Starbucks** – Starbucks is one of the hottest spots on campus! Enjoy one of the famous coffee beverages, teas, pastries or sandwiches any time throughout the day. Located on the Downing Student Union first floor.

Bottom of the Hill

- **Einstein Bros. Bagels** – with its generous selection of freshly-baked bagels, bagel sandwiches and premium gourmet coffee, as well as, made to order sandwiches, salads, fresh fruit, blended drinks and healthy snacks, this popular brand provides a pleasant start to the day or an afternoon break from the campus routine. Located in Jody Richards Hall.
- **The Den by Denny's** – This is a place with a vibe. Where you step right up to the counter and order from a wide array of items. The menu is breakfast all-day, plus sandwiches, burritos, salad – all made the way we eat today. Saucy, spicy, slightly unruly, proudly old-schooley. (Hand mixed shakes, anyone?) This is "The Den". Located next to Pearce Ford Tower.

- **Pit Stop Convenience Store** – Offers a variety of everyday essentials for snacks on the go or for your room. Located next to Pearce Ford Tower.

First Year Village – Regents Hall

- **The Spread – Wicked Good Subs** – Our chef-inspired signature subs are infused with our epic house-made spreads, toasted to perfection and finished your way. Our subs are bold, fierce, simple.... wicked good.
- **Java City** – Java City offers a high-quality, beverages from signature drinks to Cold brew and Nitro coffee, teas and smoothies. Also offered are food offerings to capture all morning and afternoon dayparts including premium snacks and pastries. 100% of Java City coffee & espresso is Rainforest Alliance certified, ensuring that farms and cooperatives that meet rigorous standards for environmental conservation as well as social responsibility and fair labor practices.

The Student Accessibility Resource Center

Dr. Peggy Crowe, Director

Matthew Davis, Assistant Director

Dero Downing Student Union, Room 1074

Phone: 270-745-5004, Fax: 270-745-6289

TDD: 270-745-3030

Email: sarc.connect@wku.edu

Website: <http://www.wku.edu/sarc> (<http://www.wku.edu/sarc/>)

Students with disabilities sometimes need assistance to ensure an adequate academic and social environment while attending the University. This assistance is usually provided through the Student Accessibility Resource Center (SARC). SARC coordinates its activities through individual faculty members, other campus offices, and public agencies. Students with disabilities receive accommodations specific to their individual disability and/or impairment. These accommodations may include: note takers, testing accommodations, alternative text formats, priority in academic advising/registering, etc. Particular attention relates to assuring accessibility in classroom, laboratory, housing, distant learning, and online environments. Interpreting and captioning services are available for Deaf and Hard-of-Hearing students. If a student with a disability has concerns or needs before they attend the University, if they need accommodations while participating in university services/activities, or if any concerns arise while they are enrolled on campus, they are encouraged to contact the SARC office. Both consultation and technical assistance are available.

Student Ombuds Officer

The Student Ombuds Officer serves as an information source and point of communication for students who believe they may have a personal grievance. The Ombuds Officer's role does not replace existing University policies for academic complaints or conflict/grievance resolution. For additional information or to contact the Student Ombuds Officer, visit https://www.wku.edu/academicaffairs/student_ombuds.php or call 270-745-2683, email: student.ombudsman@wku.edu.

WKU TRIO Programs

Dr. Brian Brausch, Director of TRIO Programs

Email: Brian.Brausch@wku.edu (brian.brausch@wku.edu)

Jones Jagers Hall, Office 100H

Phone: 270-745-6884

Website: <http://www.wku.edu/trio> (<http://www.wku.edu/trio/>)

TRIO is a set of federally-funded college opportunity programs that motivate and support students from disadvantaged backgrounds in their pursuit of a college degree. TRIO serves over 850,000 low-income, first-generation students and students with disabilities. TRIO programs provide academic tutoring, personal counseling, mentoring, financial guidance, and other supports necessary for educational access and retention. TRIO programs provide direct support services for students, and relevant training for directors and staff.

Educational Opportunity Centers

Bethany Smith, Director

Email: Bethany.Smith@wku.edu (bethany.smith@wku.edu)

Email: EOC@wku.edu

Jones Jagers Hall, Office 107

Phone: 270-745-4441

Website: <http://www.wku.edu/eoc> (<http://www.wku.edu/eoc/>)

The Educational Opportunity Centers (EOC) program is designed to provide information regarding financial and academic assistance to individuals, age 19 and older, who desire to pursue a program of post-secondary education. The program assists these adults in preparing necessary applications for use by admissions and financial aid officers. Additional services include financial aid and career exploration workshops. To be eligible for the program, a participant must reside in one of the following counties: Allen, Barren, Butler, Edmonson, Hart, Logan, Simpson, or Warren. The individual must meet federal income guidelines and/or qualify as a first generation college student. All services are free of charge to eligible individuals. Individuals who are interested in receiving information about the program are encouraged to contact the main office at 270-745-4441. Outreach Centers are located in Allen, Barren, Butler, Hart, Logan, and Simpson counties. Individuals outside Warren County can contact the EOC at 1-877-753-0005 to receive locations and office hours of the Outreach Centers.

Educational Talent Search 1

Jennifer McWhorter, Director

Email: Jennifer.McWhorter@wku.edu (jennifer.mcwhorter@wku.edu)

Email: ets@wku.edu

Jones Jagers Hall, Office 131

Phone: 270-745-3757

Website: <http://www.wku.edu/ets> (<http://www.wku.edu/ets/>)

Educational Talent Search (ETS) provides educational guidance services to assist eligible middle and high school youth in achieving their full educational and career potential. Services are free to all participants. Western Kentucky University houses three Educational Talent Search Programs. ETS 1 serves the following counties: Allen, Butler, Cumberland, Edmonson, Hart, Logan, Metcalfe, and Monroe. Both group and individual educational, career, and financial aid counseling services are provided to middle and high school participants at their schools. Examples of topics covered in group sessions are ACT preparation, study skills, career decision-making, college life orientation, and financial aid information. Middle school and high school participants may take field trips to colleges and to other educational settings. ETS also offers assistance to participants with special needs by identifying support services. For more detailed information, contact the ETS office.

Educational Talent Search 2 - Warren County

Dr. Brian Brausch

Email: Brian.Brausch@wku.edu

Email: ets@wku.edu

Jones Jagers Hall, Office 100H

Phone: 270-745-6884

Website: <http://www.wku.edu/ets> (<http://www.wku.edu/ets/>)

Educational Talent Search (ETS) provides educational guidance services to assist eligible middle and high school youth in achieving their full educational and career potential. Services are free to all participants. Western Kentucky University houses three Educational Talent Search Programs. ETS 2 serves the following counties: Bowling Green City/ Warren County schools: Bowling Green, Greenwood, Warren East, Warren Central, and their affiliated middle schools. Both group and individual educational, career, and financial aid counseling services are provided to their participants at their schools. Examples of topics covered in group sessions are ACT preparation, study skills, career decision-making, college life orientation, and financial aid information. Middle school and high school participants may take field trips to colleges and to other educational settings. ETS also offers assistance to participants with special needs by identifying and connecting students to support services. For more detailed information, contact the ETS office.

Educational Talent Search 3 - Barren County/Simpson County

Dr. Denise Hardesty, Director

Email: Denise.Hardesty@wku.edu

Email: ets@wku.edu

Jones Jagers Hall, Office 100A

Phone: 270-745-3757

Website: <http://www.wku.edu/ets> (<http://www.wku.edu/ets/>)

Educational Talent Search 3 (ETS3) provides educational guidance services to assist eligible middle and high school youth in achieving their full educational and career potential. Services are free to all participants. Western Kentucky University houses three Educational Talent Search Programs. ETS 3 serves the following counties: Barren and Simpson. Both group and individual educational, career, and financial aid counseling services are provided to middle and high school participants at their schools. Examples of topics covered in group sessions are ACT preparation, study skills, career decision-making, college life orientation, and financial aid information. Middle school and high school participants may take field trips to colleges and to other educational settings. ETS also offers assistance to participants with special needs by identifying support services. For more detailed information, contact the ETS office.

Student Support Services

Niasha Shaw and Dr. Jan Duvall, Coordinators

Email: Niasha.Shaw@wku.edu (niasha.shaw@wku.edu) &

Jan.Duvall@wku.edu (jan.duvall@wku.edu)

Jones Jagers Hall, Office 132

Phone: 270-745-4308

Website: <http://www.wku.edu/sss> (<http://www.wku.edu/sss/>)

Created for the express purpose of increasing the retention and graduation rates of program participants, the Student Support Services program provides comprehensive continuing academic assistance for 225 undergraduate students with academic potential who meet financial guidelines, and/or are from families where neither parent holds a bachelor's degree or are a student with a documented disability. The project offers individualized peer tutoring in a wide variety of developmental courses; professional counseling for academic, personal, and career concerns; restricted sections of IDST 199 (<https://catalog.wku.edu/search/?P=IDST%20199>) (University Experience) that

are limited to 20 fall freshman participants; and provides access to campus and community cultural events.

In addition, participants in good standing earn priority status each semester during the course registration process and are eligible to share in supplemental grant monies awarded annually by the US Department of Education earmarked exclusively for Student Support Services participants. The program, in coordination with the Office for Student Disability Services, also offers individual assistance to qualified students with disabilities (including learning disabilities) in need of accommodation. All services are free of charge to qualifying students. Students seeking assistance who have yet to achieve junior standing can determine their eligibility and apply for services at the program offices or call 270-745-4308. Applications are reviewed on an on-going basis. Admission to the program is not guaranteed. A successful applicant must be academically motivated and committed to participating in all aspects of the program.

Student Support Services - Disabilities

Jimmie Martin, Director

Email: Jimmie.Martin@wku.edu (jimmie.martin@wku.edu)

Downing Student Union, Room 1079

Phone: 270-745-2743

Website: <https://www.wku.edu/sssd> (<https://www.wku.edu/sssd/>)

TRIO Student Support Services, Disabilities is a program that serves WKU students with disabilities who may benefit from additional academic, financial, and social support. Our goal is to help students persist from this semester to the next; maintain good academic standing; and graduate with a bachelor's degree.

Created for the express purpose of increasing the retention and graduation rates of program participants, the Student Support Services-Disabilities program provides comprehensive continuing academic assistance for 100 undergraduate students with academic potential who meet financial guidelines, and/or are from families where neither parent holds a bachelor's degree. The project offers individualized peer tutoring in a wide variety of developmental courses; professional counseling for academic, personal, and career concerns, and provides access to campus and community cultural events.

In addition, participants in good standing earn priority status each semester during the course registration process and are eligible to share in supplemental grant monies awarded annually by the US Department of Education earmarked exclusively for Student Support Services participants. All services are free of charge to qualifying students. A successful applicant must be academically motivated and committed to participating in all aspects of the program.

Upward Bound

Cameron Carr-Calvert, Director

Email: Cameron.Carr-Calvert@wku.edu

Jones Jagers Hall, Office 100

Phone: 270-745-4873

Website: <http://www.wku.edu/upwardbound> (<http://www.wku.edu/upwardbound/>)

An educational outreach program, Upward Bound provides academic classes, counseling, tutoring, and cultural/social enrichment activities to eligible high school students in a five-county area (Allen, Butler, Edmonson, Hart, and Logan). Program participants, who have the potential to succeed in college and/or career-technical school with some additional academic/motivational support, must meet federal

financial guidelines and/or be from families where neither parent holds a bachelor's degree. Specific individual/group activities covered throughout a student's participation in the program include career information, study skills information, ACT preparation sessions, college admissions information, and financial aid workshops. Individual counseling sessions take place with each student at his/her high school throughout the academic year with tutoring and cultural enrichment sessions being offered one Saturday per month. Students participate in a six-week summer residential program at WKU, which emphasizes academics and cultural/social enrichment.

Visit the Main Campus Store on the ground floor of Downing Student Union. Thanks for shopping your WKU Store!

Veterans Upward Bound

Beth England, Interim Director

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Jones Jagers Hall, Room 127

Phone: 270-745-5310

Website: <http://www.wku.edu/vub> (<http://www.wku.edu/vub/>)

Facebook: <http://www.facebook.com/vubwku> (<http://www.facebook.com/vubwku/>)

Veterans Upward Bound is a pre-college program that provides academic services to prepare eligible veterans to enter postsecondary school. All participants must reside within an eight county area that includes: Allen, Barren, Butler, Edmonson, Hart, Logan, Simpson, and Warren. Participants must have served on active duty for more than 180 days and have been discharged under conditions other than dishonorable, or served on active duty and been discharged due to a service-connected disability, or have been a member of a reserve component and called to active duty for a period of more than 30 days. Additionally, participants must meet federal income guidelines and/or come from a family where neither parent possesses a baccalaureate degree.

Primary goals of the program include enhancement of academic skills, assistance with postsecondary admission and enrollment, advising on financial aid and VA educational benefits, and assistance with career goal setting.

All services are provided free of charge to eligible participants. Anyone interested in receiving additional information may contact the program at Veterans Upward Bound, Western Kentucky University; 1906 College Heights Blvd #11098, Jones-Jagers Hall 127, Bowling Green, Kentucky 42101-1098.

WKU Store

Downing Student Union

Phone: 270-745-2466

Website: www.WKUStore.com (<https://wku.bncollege.com/shop/western-kentucky-university/home/>)

The WKU Store, voted BG's best place for WKU Gear, is the official stop for Hilltopper shoppers. WKU students receive their required course materials (textbooks and digital content) for the first day of class at the affordable rate of \$24 per credit hour through the Big Red Backpack program. To learn more about how the program works please visit: <https://www.wku.edu/bigredbackpack/>. The store is an Apple authorized seller featuring Macbooks, iMacs, iPads and accessories as well as Dell and other brands. The WKU Store is also the only place where students can bill textbooks and supplies to their University Bill at the beginning of each Fall and Spring term.

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