2019-2020
UNDERGRADUATE CATALOG
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Professor
Cathy H. Abell PhD (Educational Leadership & Organizational Development), University of Louisville, 2009
Jeanie L. Adams-Smith MA (Photography), Ohio University Main Campus, 2001
Catherine M. Algeo PhD (Geography), Louisiana State University & A&M College, 1998
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
Kenneth B. Askins EdD (Vocational Education), University of Kentucky, 1992
Ferhan Atici PhD (Mathematics and Statistics), University of Nebraska-Lincoln, 1995
Mustafa Atici PhD (Computer Science), University of Nebraska, 1996
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
Ray Blankenship PhD (Business Administration-Management Information Systems), University of Mississippi, 1994
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
Reagan D. Brown PhD (Psychology), Virginia Tech, 1997
Stuart C. Burris PhD (Chemistry), North Carolina State University, 1998
Christopher E. Byrne PhD (Material Sciences and Engineering), Johns Hopkins University, 1996
Timothy C. Caboni PhD, Vanderbilt University, 2001
Mark E. Cambron PhD (Electrical Engineering), Vanderbilt University, 2001
Warren Campbell PhD (Civil Engineering), Colorado State University, 1984
Amy C. Cappicci PhD (Social Work), University of Louisville, 2006
H. R. Capps EdD, University of Virginia, 1970
Michael T. Carini PhD (Astrophysics), Georgia State University, 1990
Kam C. Chan PhD (Finance), The University of Alabama, 1990
Yining Chen PhD (Business Administration), University of South Carolina-Columbia, 1993
Indudeep S. Chhachhi DBA (Business Administration), Southern Illinois University Carbondale, 1990
Robert E. Choate MME (Mechanical Engineering), North Carolina State University, 1991
Miwon Choe PhD (Curriculum and Instruction), Indiana University-Bloomington, 2001
Mark D. Ciampa PhD (Tech Mgt (Digital Comm Sys)), Indiana State University, 2008
John M. Cipolla DMA (Music, Music Performance), University North Carolina Greensboro, 2002
Amanda G. Clark MFA (Dance), University of Oklahoma Norman, 2005
Craig T. Cobane PhD (Political Science), University of Cincinnati Main Campus, 2003
Eric D. Conte PhD (Chemistry), University of Massachusetts, 1993
Darwin B. Dahl PhD (Chemistry), University of Missouri - Kansas City, 1987
Cheryl D. Davis PhD (Biology), Wake Forest University, 1988
Pitt Derryberry PhD (Educational Psychology), The University of Alabama, 2001
Susann E. DeVries MLIS (Library & Information Services), Wayne State University, 2004
Sylvia L. Dietrich PhD (Education), University of Tennessee, Knoxville, 2000
Vladimir Dobrokhotov PhD (Physics), University of Idaho, 2006
Anthony M. Doggett PhD (Education and Human Resource Studies), Colorado State University, 2003
Hollie K. Drummond PhD (Sociology), University of Georgia, 2004
Karin M. Egloff PhD (French), University of Illinois at Urbana-Champaign, 1990
Julie Ellis PhD (Electrical Engineering), Duke University, 1993
A. G. Emslie PhD (Astronomy), University of Glasgow, 1979
Nikolai Endres PhD (Comparative Literature), University of North Carolina Chapel Hill, 2000
Claus D. Ernst PhD (Mathematics), Florida State University, 1988
Jane L. Fife PhD (English Rhetoric and Composition), University of Louisville, 1992
Lukas Forbes PhD (Business Administration), University of Kentucky, 2004
Stuart A. Foster PhD (Geography), The Ohio State University Main Campus, 1988
Wesley J. Gabbard PhD (Social Work), The University of Alabama, 2004
Stephanie K. Gandy EdD (Curriculum and Instruction), Louisiana Tech University, 2002
Cecile W. Garmon PhD (Educational Leadership), Vanderbilt University, 1984
Richard F. Gelderman PhD (Astronomy), University of Virginia, 1994
Dennis K. George PhD (Environment Sci & Engr), University of North Carolina Chapel Hill, 1994
Fred W. Gibson PhD (Educational Leadership & Organizational Development), University of Louisville, 2004
Becky A. Gilfillen PhD (Plant and Soil Science), University of Tennessee, Knoxville, 1999
Brian L. Goff PhD (Economics), George Mason University, 1986
Victoria A. Gordon DPA (Public Administration), University of Illinois at Springfield, 2004
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
Robert D. Hatfield PhD (Business), Indiana University-Bloomington, 1996
Paul L. Hondor DMA (Music Conducting), Michigan State University, 2003
Gary W. Houchens PhD (Educational Leadership & Organizational Development), University of Louisville, 2008
Cynthia R. Houston PhD (Education (Curriculum and Instruction)), Southern Illinois University, 1996
Theodore R. Hovet PhD (English), Duke University, 1995
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
Jeanine M. Huss PhD (Environmental Science), Oklahoma State University Main Campus, 2007
Kumi Ishii PhD (Communication Studies), Kent State University Kent Campus, 2004
Sigrid H. Jacobshagen PhD (Biology), Free University of Berlin, 1988
Jonathan D. Jeffrey MA (History, English), Stephen F. Austin State University, 1988
Angela M. Jerome PhD (Communication Studies), University of Kansas Main Campus, 2002
Phebe P. Johnson PhD (Journalism), University of Wisconsin-Madison, 1977
Pamela M. Jukes EdD (Instruction and Administration), University of Kentucky, 1997
Jeffrey P. Kash PhD (Political Science), University of Iowa, 2002
Jeffrey P. Katz PhD, University of Florida, 1995
David J. Keeling PhD (Geography), University of Oregon, 1992
Danita M. Kelley PhD (Nutritional Science), University of Kentucky, 1994
James H. Kenney MS (Photography), Syracuse University Main Campus, 1995
Walter B. Kessler PhD (Mathematics), Vanderbilt University, 1997
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
Glenn W. LaFantasie PhD (History), Brown University, 2005
Alison L. Langdon PhD (English), University of Oregon, 2004
Lou M. Langton PhD (Journalism), University of Texas at Austin, 1995
Dominic A. Lanphier PhD (Mathematics), University of Minnesota-Twin Cities, 2000
Grace K. Larney 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
Elizabeth A. Lemerise PhD (Psychology), New School for Social Research, 1988
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
Deborah A. Logan PhD (English), University of North Carolina Chapel Hill, 1997
Thomas S. Lyons PhD (Human Performance), The University of Alabama, 2003
Kelly L. Madole PhD (Psychology), University of Texas at Austin, 1992
Maria E. Main DNP (Nursing Practice), University of Kentucky, 2010
Craig A. Martin PhD (Business Administration, Marketing), University of Memphis, 1999
Cynthia P. Mason EdD (Instruction and Administration), University of Kentucky, 1996
Margaret G. Maxwell PhD (Curriculum and Instruction), University of North Carolina Chapel Hill, 1991
James D. May EdD (Personnel Services, Higher Education), University of Memphis, 1990
Michael T. May PhD (Geological Sciences), Indiana University-Bloomington, 1992
Sue L. McDaniel MA (History), Western Kentucky University, 1983
Douglas McElroy PhD (Zoology), University of Maine - Orono, 1992
Laura G. McGee PhD (Germanics), University of Washington, 1996
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
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, 2004
Jack G. Montgomery MLS (Library & Information Services), University of Maryland College Park, 1987
John A. Moore EdD (Instruction and Administration), University of Kentucky, 1995
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
Sharon A. Mutter PhD (Psychology), George Washington University, 1984
Carl L. Myers PhD (Psychology), Iowa State University, 1995
Jean Neils-Strunjas PhD (Communication Sciences), Case Western Reserve University, 1984
Thanh L. Nguyen PhD (Mathematics), Ohio University Main Campus, 2002
Michael A. Nichols MFA (Fine Arts, Painting), Fontbonne College, 2000
Antony D. Norman PhD (Education- Educational Psychology), University of Virginia, 1990
James F. Norman PhD (Psychology), Vanderbilt University, 1990
Brent T. Oglesbee MFA (Art), PA State University Main Campus, 1983
Jane Olmsted PhD (English, Feminist Studies), University of Minnesota-Twin Cities, 1996
Anne B. Onyekwuluje PhD (Sociology), University of Nebraska-Lincoln, 1995
Holly J. Payne PhD (Communication), University of Kentucky, 2003
Katherine A. Pennavaria MA (English), University of Missouri - Kansas City, 1987
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
Pamela J. Petty EdD (Education, Elementary Education), University of Tennessee, Knoxville, 2002
Thomas K. Philips PhD (Entomology), The Ohio State University Main Campus, 1997
Raymond A. Poff PhD (Leisure Behavior), Indiana University-Bloomington, 2001
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
Paula W. Potter PhD (Business Administration), University of Kentucky, 1997
Merrall Price PhD (English), University of Rochester, 1998
Matthew V. Pruitt PhD (Sociology), North Carolina State University, 1995
M. A. Rahim PhD (Business Administration), University of Pitts Pittsburgh Camp, 1976
Ronald D. Ramsing PhD (Parks, Recreation, and Tourism), University of Utah, 2005
Eric S. Reed PhD (History), Syracuse University Main Campus, 2001
Thomas A. Richmond PhD (Mathematics), Washington State University, 1986
Claire A. Rinehart PhD (Botany), University of Georgia, 1984
Julia L. Roberts EdD, Oklahoma State University Main Campus, 1970
Mark P. Robinson PhD (Mathematics), University of Kentucky, 1991
Jeffrey Samuels PhD (Religious Studies), University of Virginia, 2002
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 Envrnmntl Sci-Forestry, 1993
Michael J. Seidler PhD (Philosophy), Saint Louis University, 1981
Julia F. Shadoan JD (Law), DePaul University, 1995
Cliff P. Shaluta MA (Speech), Marshall University, 1983
Christopher L. Shook PhD, 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
Lawrence W. Snyder PhD (Religious Studies), University of North Carolina Chapel Hill, 1992
Donald R. Speer PhD (Music Education), Louisiana State University & A&M College, 1991
Michael S. Spiller PhD (Human Resources Management), The University of Alabama, 1999
John S. Spraker PhD (Mathematics), University of Kentucky, 1997
Saundra H. Starks EdD (Counseling & Personnel Services, Counseling Psychology), University of Louisville, 1999
Helen M. Sterk PhD (Communication Studies), University of Iowa, 1986
Cheryl L. Stevens PhD (Chemistry), University of New Orleans, 1982
Melissa A. Stewart PhD (Hispanic & Italian Studies), Johns Hopkins University, 1992
Michael K. Stokes PhD (Biological, Systematics and Ecology), University of Kansas Main Campus, 1994
Richard S. Stroot MFA (Theatre Arts), University of Minnesota-Twin Cities, 1986
Brian K. Strow PhD (Economics), Vanderbilt University, 2000
Claudia W. Strow PhD (Economics), Vanderbilt University, 2002
Lizbeth P. Sturgeon PhD (Nursing), University of Kentucky, 2012
Dana J. Sullivan PhD (Social Work), University of Louisville, 2003
Joong Sung MFA (Computer Graphics), Syracuse University Main Campus, 2001
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
Michelle W. Trawick PhD (Economics, Statistics), North Carolina State University, 1996
Matthew L. Tullis MFA (Visual Design), Temple University, 1991
Joel F. Turner PhD (Political Science), Florida State University, 2007
Thomas J. Tutino MFA (Scene Design), Boston University, 1986
Huanjing Wang PhD (Computer Science), The University of Alabama, 2005
Cecilia M. Watkins PhD (Human Ecology, Community Health), University of Tennessee, Knoxville, 2000
Cathleen J. Webb PhD (Chemistry), University of Washington, 1989
Steve C. Wells PhD (Accountancy), University of Mississippi, 1994
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
Steven R. Winerger PhD (Educational Psychology, Sports Psychology), Florida State University, 1998
Elizabeth G. Winkler PhD (Linguistics), Indiana University-Bloomington, 1999
Mary E. Wolinski PhD (Music), Brandeis University, 1988
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
Haiwang Yuan MA (History), Indiana University-Bloomington, 1992
Rui Zhang PhD (Chemistry), University of Hong Kong, 2001
Uta Ziegler PhD (Computer Science), Florida State University, 1991
David M. Zimmer PhD (Economics), Indiana University-Bloomington, 2004

Associate Professor

Lori J. Alexander DNP (Nursing Practice), Western Kentucky University, 2016
Lawrence A. Alice PhD (Plant Science), University of Maine - Orono, 1997
Shahnaz Aly MARCH (Architecture), Texas A & M University, 1999
Audrey L. Anton PhD (Philosophy), The Ohio State University Main Campus, 2011
Janet L. Applin PhD (Special Education), Vanderbilt University, 2005
Saundra C. Ardrey PhD (Political Science), The Ohio State University Main Campus, 1983
Scott W. Arnett PhD (Exercise Science), University of Georgia, 2007
Noah T. Ashley PhD (Zoology), University of Washington, 2004
Farhad Ahrifi PhD (Electrical and Computer Engineering), The University of Calgary, 1997
Melanie A. Austin PhD (Statistics), University of South Carolina - Columbia, 2007
Dora Babb PhD (Human Environmental Sciences, Human Development and Family Science), Oklahoma State University Main Campus, 2010
Vicki S. Bagwell MA (Communication), Western Kentucky University, 1992
John P. Baker EdD (Educational Leadership, Organizational Leadership), Western Kentucky University, 2011
Leslie L. Baylis PhD (Experimental Psychology), University of Oxford, 1990
Tilak Bhattacharya PhD (Mathematics), Purdue University Main Campus, 1988
Jason Polk PhD (Geography and Environmental Science and Policy), University of South Florida, 2009
Attila Por PhD (Mathematics), Eotvos Lorand University-Hungary, 2003
Sally J. Ray PhD, Wayne State University, 1991
Bryan Reaka PhD (Education (Workforce Education)), Southern Illinois University Carbondale, 2002
Kelly L. Reames PhD (English), University of North Carolina Chapel Hill, 2002
Jenni L. Redifer PhD (Educational Psychology), University of Florida, 2012
Mark A. Revels PhD (Technology Management, Industrial Training & Development), Indiana State University, 2007
Jeffrey A. Rice PhD (English), University of Florida, 2010
Timothy S. Rich PhD (Political Science, East Asian Languages), Indiana University-Bloomington, 2012
Nancy C. Rich MA (History), Western Kentucky University, 2003
Lawrence D. Rigby PhD (English), University of Missouri-Columbia, 2000
Juan L. Romero PhD (History), University of Texas at Austin, 2008
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 Trc), University of Pitts Pittsburgh Camp, 2007
Richard C. Schugart PhD (Applied Mathematics), North Carolina State University, 2005
Jo L. Shackelford EdD (Educational Leadership, Postsecondary Leadership), Western Kentucky University, 2012
Matthew C. Shake PhD (Educational Psychology), University of Illinois at Urbana-Champaign, 2009
Fredrick D. Siewers PhD (Geology), University of Illinois at Urbana-Champaign, 1995
Doris A. Sikora PhD (Human Ecology), University of Tennessee, Knoxville, 1997
William M. Simpson MA (Art), Marshall University, 1982
Carnetta C. Skipworth MS (Chemistry), Western Kentucky University, 2003
Lee Spears PhD (English), University of Kentucky, 1980
Roxanne M. Spencer MLSC (Library Science), Clarion University of Pennsylvania, 1999
Christy L. Spurlock MED (Secondary Education), University of Louisville, 1991
Ajay Srivastava PhD (Molecular Biology and Genetics), University of Alberta, 2003
Sandra L. Staebell MA (Museum Science), Texas Tech University, 1983
Mark A. Staynings MA (Economics), Western Kentucky University, 1993
Tammie L. Stenger-Ramsay EdD (Applied Educational Studies), Oklahoma State University Main Campus, 2001
Thomas A. Stewart EdD (Educational Leadership), Western Kentucky University, 2011
Rebecca R. Stobaugh PhD (Educational Administration), University of Louisville, 2003
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
Judith Szerdahelyi PhD (English, English), University North Carolina Greensboro, 2002
Antonia M. Szymanski PhD (Psychological and Quantitative Foundations), University of Iowa, 2011
Janet L. Tassell PhD (Curriculum & Instruction), Indiana University-Bloomington, 2002
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
Shannon K. Vaughan PhD (Political Science), University of Kentucky, 2004
Carol L. Watwood MLS, University of Michigan-Ann Arbor, 1978
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
Travis K. Wilson MARCH (Architecture), University of Oklahoma Norman, 1998
Andrew H. Wulff PhD (Geosciences), University of Massachusetts, 1999
Robert E. Wyatt PhD (Botany), University of Georgia, 1992
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 Cumberlands, 2013
Qin Zhao PhD (Educational Psychology), University of Florida, 2008
Assistant Professor
Abeer D. Alamri PhD (Healthcare Ethics), Duquesne University, 2016
Taha H. Alyousef PhD (Civil Engineering), University of Akron, Main Campus, 2017
Lester A. Archer PhD (Educ Leadership/Research), Louisiana State University & A&M College, 2017
Sophia R. Arjana PhD (Religious/Theological Studies), University of Denver, 2011
Kayla M. Baker PhD (Education), University of Central Florida, 2019
Simran Banga PhD (Biological Sciences), Purdue University Main Campus, 2009
Julie L. Barber DA (Music), Ball State University, 2014
James W. Barker PhD (Religion), Vanderbilt University, 2011
David L. Bell DPT, University of Kentucky, 2012
Jason M. Bergner PhD (Business Administration), University of Kentucky, 2011
Kevin T. Bilyk PhD, University of Illinois Central Admin, 2011
Christopher J. Biolsi PhD (Economics), University of Houston, 2015
Maire M. Blankenship DNP Western Kentucky University, 2014
Laura M. Bohuski MLS (Library Science), Indiana University-Bloomington, 2010
Jill R. Brown MS (Geoscience), Western Kentucky University, 2002
Katherine E. Brown PhD (History), University of Virginia, 2015
Katrina A. Burch PhD, University of Connecticut, 2018
Jacob P. Byl PhD (Law and Economics), Vanderbilt University, 2015
Jeffrey A. Chandler PhD (Business Administration), Texas Tech University, 2019
Yufen Chang PhD (Linguistics, Language Education), Indiana University-Bloomington, 2012
Daniel L. Clark PhD (Mathematics Education), Michigan State University, 2016
Caroline Cox PhD (Textile & Apparel Management), University of Missouri-Columbia, 1999
Yongming Deng PhD (Chemistry), Miami University, 2014
Xiuhua Ding PhD (Epidemiology and Biostatistics), University of Kentucky, 2016
Ann E. Embry PhD (Hospitality Management), Iowa State University, 2017
Francis T. Esslinger PhD (Kinesiology), University of Arkansas Main Campus, 2011
Yuan Fang PhD (Design), North Carolina State University, 2017
Colin Farrell PhD (Medical Sociology), University of Alabama at Birmingham, 2010
Jessica L. Folk MFA (Screenwriting), Chapman University, 2014
Stacey A. Forstyhe EdD (Educational Leadership), Western Kentucky University, 2015
Nicholas C. Fortune PhD, North Carolina State University, 2018
Ashley C. Fox PhD (Educational Leadership and Organizational Development), University of Louisville, 2010
Tim W. Frandy PhD (Scandinavian Studies, Folklore), University of Wisconsin-Madison, 2013
Michael P. Frohling MFA (Theatre), Southern Illinois University Carbondale, 2010
Karen E. Furgal DPT (Physical Therapy), SUNY at Stony Brook, 2008
Jeffrey M. Galloway PhD (Computer Science), The University of Alabama, 2013
Mary J. Gardner DBA (Marketing), Kennesaw State University, 2017
Natalsha Gerstenschlager PhD (Mathematics & Science Educ), Middle Tennessee State University, 2015
Said Ghezal PhD (Organization and Management, Information Technology Management), Capella University, 2011
Jennifer C. Gill PhD (Animal Science and Poultry Science), North Carolina State University, 2016
Kimberly J. Green EdD (Educational Leadership, Postsecondary Leadership), Western Kentucky University, 2015
Austin G. Griffiths PhD, University of Kentucky, 2015
Thomas J. Gross PhD (Educational Psychology), Oklahoma State University Main Campus, 2013
Elizabeth A. Groves DNP (Nursing Practice), Western Kentucky University, 2019
Jean D. Gumirakiza PhD (Economics), Utah State University, 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
Whitney R. Harper PhD (Human Devl and Family Studies), Michigan State University, 2015
Stasie C. Harrington PhD (Spanish), Pennsylvania State University, 2001
Kara S. Haughtigan DNP (Nursing Practice), Western Kentucky University, 2016
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
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
Allen K. Hunt PhD (Accounting), Louisiana State University & A&M College, 2001
Patricia A. Jaggers MFA (Writing), Spalding University, 2008
Andrea K. Jenkins PhD (Counseling), Old Dominion University, 2015
Michael W. Kennedy DPT (Physical Therapy), University of Kentucky, 2012
Charles O. Kile PhD (Business Administration), Washington University, 1993
Soyeon Kim PhD (Hospitality Management), The Ohio State University Main Campus, 2013
Eric G. Knackmuhls PhD (Leisure Behavior), Indiana University-Bloomington, 2017
Gillian B. Knoll PhD, University of Maryland College Park, 2012
Juan S. Leguizamon PhD (Economics), West Virginia University, 2011
Daniel J. Liddle PhD (Rhetoric), Purdue University Main Campus, 2018
Kimberly A. Link DNP, Western Kentucky University, 2016
Stephen L. Locke PhD (Economics), University of Kentucky, 2013
Adam B. Lockwood PhD (Educational Psychology), Northern Arizona University, 2015
Osama E. Mansour PhD (Environmental Design), The University of Calgary, 2015
Erie E. Margarella PhD (Curriculum and Instruction), University of South Florida, 2016
David M. Marquez MFA (Art), University of Iowa, 2003
Allie E. McCreary PhD (Parks, Recreation, and Tourism), North Carolina State University, 2017
Meghen L. McKinley MFA (Dance), University of Hawaii at Manoa, 2012
James A. McMahon MA (Sociology), Ball State University, 1979
Jeffrey D. Miner PhD (History), Stanford University, 2011
Julia A. Mittelberg PhD (Curriculum and Instruction), Kansas State University, 2014
Mohsen Mollaholamali PhD (Business Administration, Finance), Oklahoma State University Main Campus, 2016
Yaser A. Mowafi PhD (Information Systems), University of Maryland Baltimore Co, 2009
April L. Murphy PhD (Social Work), University of Louisville, 2012
Brian S. Myers PhD (PHYS ED: SPECIAL PHYS EDUCATION), Eastern Michigan University, 2019
Sarah E. Ochs PhD (School Psychology), University of Houston, 2017
Fatemeh Oorioji PhD (Engineering Science, Construction Management), Louisiana State University & A&M College, 2015
Ahmet O. Ozer PhD (Applied Mathematics), Iowa State University, 2011
Anna L. Patsfall MFA (Dance), Florida State University, 2017
Bradley L. Pennington MFA (Cinematic Arts), University of Southern California, 2014
Michelle C. Reece PhD (Public Health), East Tennessee State University, 2014
Asghar Rezasoltani PhD (Mechanical Engineering), Louisiana State University & A&M College, 2016
Amelia A. Rollings PhD (Music Education), University of Kansas Main Campus, 2015
Enakshi Roy PhD (Mass Communication: Journalism), Ohio University Main Campus, 2017
Edrisa Sanyang PhD, University of Iowa, 2016
Joseph J. Shankweiler MA (English), James Madison University, 2012
Richard L. Shumate PhD, University of Florida, 2018
Melloney C. Simerly PhD (Business, Accounting), Virginia Commonwealth University, 2015
Kandy C. Smith PhD (Education, Teacher Education), University of Tennessee, Knoxville, 2014
Marian R. Smith DNP (Advanced Practice), University of Southern Indiana, 2012
Qingfang Song PhD (Developmental Psychology), Cornell University, 2016
Brian A. St John DMA (Conducting), Arizona State University-ALL, 2010
Angie A. Stinnett PhD, University of Arizona, 2014
Thomas B. Stinnett PhD (Educational Leadership and Organizational Development), University of Louisville, 2013
Whitley J. Stone PhD (Health Sciences), Middle Tennessee State University, 2017
William D. Strunk PhD (Plant Science), University of Arkansas Main Campus, 2015
Jenni B. Teeters PhD, University of Memphis, 2017
Sara R. Thomason MFA (Motion Picture Arts), Florida State University, 2016
James R. Thompson MFA (Creative Writing), University of Montana, 1998
Timothy S. Thornberry PhD, Auburn University, 2013
Rachel A. Tinius PhD (Movement Science), Washington University, 2015
Danilo V. Tolusso PhD (Human Performance), The University of Alabama, 2019
Melissa K. Travelsted DNP (Nursing Practice), Western Kentucky University, 2014
Natalie C. Tyree MFA (Graphic Design), Indiana State University, 2013
Pavel V. Vasiliev PhD (Sociology), University of Nevada-Las Vegas, 2013
Kim Y. Vickous EdD (Educational Leadership, Organizational Leadership), Western Kentucky University, 2015
Brian K. Weiler MS (Hearing and Speech Sciences), Vanderbilt University, 2007
Lauren E. Whitham DMA, University of Georgia, 2017
Brooke B. Williams PhD (Neuroscience), Vanderbilt University, 2010
Catherine M. Wilson PhD (Music), University of Iowa, 2013
Cheryl P. Wolf PhD (Mental Health Counseling), University of Florida, 2013
Ruomeng Wu PhD (Business Administration), University of Cincinnati Main Campus, 2019
Mariah D. Yates MBA (Business Administration), Western Kentucky University, 2012
Alison M. Youngblood PhD (Education, Teaching English to Speakers of Other Languages), University of Central Florida, 2014
Lukun Zheng PhD, University North Carolina Charlotte, 2015
Lily P. Zhuhadar PhD (Computer Science and Engineering), University of Louisville, 2009
Marla K. Zubel PhD (Comparative Literature), University of Minnesota-Twin Cities, 2017

**Instructor**
Susan S. Eagle PhD (Anthropology), Tulane University, 2005

**Lecturer**
Daniel A. Boamah MS (Social Work), University of Louisville, 2009

**Executive-In-Residence**
Richard A. Callahan MS (Accounting), University of Kentucky, 1974
Kay H. Meggers PhD (Physics, Business Administration, Physics), Foreign College/University, 1995
Gregory A. Siegelman MBA (Business Administration), Cornell University, 1981

**Professional-In-Residence**
David F. Almand MS (Mathematics), Western Kentucky University, 1982
David L. Bell MS (Mathematics), Middle Tennessee State University, 1986
Sarah G. Berry MM (Music), Rice University, 2003
Kelley K. Coppingner BFA (Advertising Art, French), University of North Texas, 1989
Kara E. Glenn BFA (Visual Arts, Graphic Design), Western Kentucky University, 2011
Lynn A. Hines EdD (Educational Leadership), Western Kentucky University, 2013
Catherine G. Poteet MAE (Secondary Education, Physics), Western Kentucky University, 2002
Melissa I. Rudloff MAE (Math-Science Education, Secondary Education), Western Kentucky University, 1994

**Scholar-In-Residence**
Edwin D. Stevens PhD, University of California-Davis, 1973

**Visiting Assistant Professor**
Golnaz Baradaran Motie PhD (Business & Economics), West Virginia University, 2018
Cole J. Crider PhD (Entrepreneurship), University of Louisville, 2019
Charles A. Kennedy BM (Music), Western Kentucky University, 2006
Fatemeh Soltani PhD (Health Leisure & Human Perf), Oklahoma State University Main Campus, 2015
Matthew J. Woodward PhD, University of Memphis, 2017

**Visiting Instructor**
Kylene N. Stephens BS (Biology, Dance), Western Kentucky University, 2013

**Visiting Professor**
Winifred L. Cohron PhD (Educational Leadership & Organizational Development), University of Louisville, 2009

**Visiting-Prof-In-Residence**
Jonathan D. Adams MA (Photography), Ohio University Main Campus, 2012
Brian D. Elliott MA (Communication), Western Kentucky University, 2014
Andrea B. Kneeland MA (Mass Communication), University of Florida, 1990

**Clinical Assistant Professor**
Brent A. Bjorkman MA (Folk Studies), Western Kentucky University, 1998
Roger L. Dennis MAE (Agriculture Education, Secondary Education), Western Kentucky University, 1992
Mark W. Flener MSN (Nursing, Nursing Educator), Gonzaga University, 2016
Jeremy R. Logsdon EdD (Educational Leadership, Postsecondary Leadership), Western Kentucky University, 2016
Daniel J. Super EdD (Educational Leadership), Western Kentucky University, 2016
Brittney R. Vickous MS, Western Kentucky University, 2011

**Clinical Associate Professor**
Jeffrey A. Barefoot AUD (Audiology), A T Still University of Health Scien, 2013
Audrey S. Cornell PhD (Educational Leadership and Organizational Development), University of Louisville, 2010
Lori K. Fox MSN (Nursing), Western Kentucky University, 2001
Courtney A. Hatcher PhD (Rehabilitation Sciences), University of Kentucky, 2017
Leisa S. Hutchison MSED (Special Education, Speech and Communication Disorders), University of Kentucky, 1986
Neena W. Jones MSN (Nursing, Education), Walden University, 2008
Leigh A. Roden-Carrier EdD (Educational Leadership, P-12 Leadership), Western Kentucky University, 2011

**Pedagogical Associate Professor**
Jennifer A. Hanley PhD (History), University of Kentucky, 2009
Kerri L. McDaniel PhD (Plant Biology), Southern Illinois University Carbondale, 1997

**Pedagogical Assistant Professor**
Kristine D. Barron MBA (Business Administration), University of Texas at Dallas, 2013
Dana M. Cosby PhD (Educational Leadership and Organizational Development), University of Louisville, 2008
Aqueshia D. Daniels JD (Law), Florida Coastal School of Law, 2011
Andrew J. Head MA (Applied Economics), Western Kentucky University, 2010
Sarah L. Herrick PhD (Physical Education), Springfield College, 2016
Wren A. Mills PhD (Educational Leadership & Organizational Development), University of Louisville, 2010
Natalie J. Mountjoy PhD (Zoology), Southern Illinois University, 2014
Ronald A. Rhoades JD (Law), University of Florida, 1985
Trini G. Stickle PhD (English), University of Wisconsin-Madison, 2015

**Instructor I**
Ismail Abumufouz MBA (Business Administration), Sullivan University, 2009
Leah B. Ashwill MA (Administrative Dynamics), Western Kentucky University, 2010
Melanie W. Asriel MA (Psychology, Applied Experimental), Western Kentucky University, 2011
Jacqueline R. Basham MPH (Public Health, Environmental Health), Western Kentucky University, 2015
Elisa L. Berry MA (English), Western Kentucky University, 2016
William R. Black AB, Bethel University, 2011
Gregory R. Blass PhD (Biological Sciences), University of Illinois at Chicago, 2014
Kimberly M. Bourne MSN (Nursing (RN to BSN)), Western Kentucky University, 2012
Jason R. Boyles PhD (Physics), West Virginia University, 2011
Lindsey N. Brown MA (Mathematics), Western Kentucky University, 2017
Holly B. Bryant MAE (Counseling), Western Kentucky University, 2015
Kristy L. Cartwright MS (Education, Elementary Reading and Literacy), Walden University, 2005
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
John E. Conley PhD (Comparative Studies in Discourse and Society), University of Minnesota-Twin Cities, 2008
Melanie D. Eaton MBA (Business Administration), Western Kentucky University, 2003
Sarah J. Edwards PhD (Chemistry), PA State University Main Campus, 2010
Miriam M. El-Farrah MS (Mathematics), Western Kentucky University, 2015
Synthia L. Frank MSN (Nursing), Western Kentucky University, 2018
Allison Gibson MSSW (Social Work), University of Louisville, 2005
Sherrie E. Godby EdD (Higher Education, Health Care Education), Nova Southeastern University, 1999
Lhoussaine Guerwane MAT (Spanish), Morehead State University, 2014
Marie Guthrie PhD (English), University of Kentucky, 1993
Kendra H. Sewell MBA (Business Administration), Western Kentucky University, 2013
Jannai M. Shields PhD (Philosophy), University of Rochester, 2016
Dawn M. Winters EdD, Western Kentucky University, 2015
Felicia A. Stinson MA (Creative Writing), Foreign College/University, 2011
Kelli R. Truelove MED, Lindsey Wilson College, 2011
Yerty M. Vanderwolf MA (Spanish), University of Northern Iowa, 2012
M. Paul Ward MA (Communication), Western Kentucky University, 2010
Erin T. Warfel MSW (Social Work), Bryn Mawr College, 2001
Kelly A. Watson MSN (Nursing), Western Kentucky University, 2016
Lindsay S. Wheat MSN (Nursing, Nursing Educator), Western Kentucky University, 2014
Jason C. Wilson MS (Engineering), University of Wisconsin-Platteville, 2016
Jannai M. Shields PhD (Philosophy), University of Rochester, 2016
Dawn M. Winters EdD, Western Kentucky University, 2015
Diana Wooden DNP, Western Kentucky University, 2018

Instructor II
Gayle N. Allison MA (Communication), Western Kentucky University, 1994
Fabian Alvarez MA, California State University-Chico, 2006
Robin L. Ayers MAE (Mathematics Education, Secondary Education), Western Kentucky University, 1990
Courtney A. Basham MAE (Student Affairs), Western Kentucky University, 2001
Erica C. Billingsley MS (Mathematics), Western Kentucky University, 2008
William P. Blackburn MS (Geoscience), Western Kentucky University, 2003
Amanda J. Brooks MS (Chemistry), Western Kentucky University, 1998
Patrick T. Brown MA (Mathematics), University of Colorado at Boulder, 2006
Kevin B. Cary MS (Geoscience), Western Kentucky University, 2001
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
Christopher J. Derry MBA (Management), Vanderbilt University, 1986
Scott A. Dobler MA (Geography), Bowling Green State University, 1990
Charlotte A. Elder MA (Communication), Western Kentucky University, 1998
Teresa C. Elliott MA (English), Western Kentucky University, 2004
Chandra C. Ellis-Griffith MSN (Nursing), University of Alabama at Birmingham, 2011
Sheilla S. Flener MA (Art (Creative)), University of Louisville, 2007
James B. Fulkerson MAE (Health Education, Secondary Education), Western Kentucky University, 1985
Deanna L. Hanson MSN (Nursing), Western Kentucky University, 2005
Debra Hays MA (English), Western Kentucky University, 1987
Anne L. Heintzman PhD (English Rhetoric and Composition), University of Louisville, 2010
Gary K. Hughes PhD (Communication), University of Kentucky, 2014
Wendi J. Hulsey MDH (Dental Hygiene), University of Tennessee, Memphis, 2010
Julie K. Lee MBA, University of Cincinnati Main Campus, 2002
James H. Lindsey MS (Information Sciences and Systems), Bowie State University, 2000
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
Amy T. Nemon MS (Geoscience), Western Kentucky University, 2007
Hideko Norman DMSC, University of Medical Science-Japan, 1995
Leslie F. Plumlee MS (Mathematics), Western Kentucky University, 2005
Donna K. Schiess EdD (Educational Leadership, Organizational Leadership), Western Kentucky University, 2011
Nilesh C. Sharma PhD (Science/Botany), Birhar University-India, 1992
Vickie L. Shoumake MSN (Nursing, Nurse Educator), Western Kentucky University, 2011
Gordon P. Smith PhD (Physics), University of Mississippi, 2000
Janice C. Smith PhD (Rehabilitation Sciences), University of Kentucky, 2015
Jean C. Snively PhD (Finance), University of Cincinnati Main Campus, 1997
Timothy D. Straubel MA (German), University of Wisconsin-Madison, 1994
Marya L. Turley MA (English), Western Kentucky University, 2003
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
## CALENDAR

### 2019-2020 Academic Year Calendar

#### Fall Semester 2019

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classes Begin</td>
<td>Monday, August 26</td>
</tr>
<tr>
<td>5 Week Session 1 begins</td>
<td>Monday, August 26</td>
</tr>
<tr>
<td>First Bi-Term Begins</td>
<td>Monday, August 26</td>
</tr>
<tr>
<td>Labor Day (university closed)</td>
<td>Monday, September 2</td>
</tr>
<tr>
<td>5 Week Session 1 ends</td>
<td>Friday, September 27</td>
</tr>
<tr>
<td>5 Week Session 2 begins</td>
<td>Monday, September 30</td>
</tr>
<tr>
<td>Fall Break (no classes; offices open)</td>
<td>Thursday-Friday, October 10-11</td>
</tr>
<tr>
<td>First Bi-Term Ends</td>
<td>Thursday, October 17</td>
</tr>
<tr>
<td>5 Week Session 2 ends</td>
<td>Friday, November 1</td>
</tr>
<tr>
<td>5 Week Session 3 begins</td>
<td>Monday, November 4</td>
</tr>
<tr>
<td>Thanksgiving Holiday</td>
<td>Wednesday-Friday, November 27-29</td>
</tr>
<tr>
<td>5 Week Session 3 ends</td>
<td>Friday, December 6</td>
</tr>
<tr>
<td>Final Examinations</td>
<td>Monday-Friday, December 9-13</td>
</tr>
<tr>
<td>Commencement</td>
<td>Saturday, December 14</td>
</tr>
<tr>
<td>Final Grades Due</td>
<td>Tuesday, December 17 (noon)</td>
</tr>
</tbody>
</table>

#### Winter Term 2020

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classes Begin</td>
<td>Monday, January 6</td>
</tr>
<tr>
<td>MLK Day (university closed)</td>
<td>Monday, January 20</td>
</tr>
<tr>
<td>Final Examinations</td>
<td>Friday, January 24</td>
</tr>
</tbody>
</table>

#### Spring Semester 2020

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classes Begin</td>
<td>Monday, January 27</td>
</tr>
<tr>
<td>5 Week Session 1 Begins</td>
<td>Tuesday, January 27</td>
</tr>
<tr>
<td>First Bi-Term Begins</td>
<td>Monday, January 27</td>
</tr>
<tr>
<td>5 Week Session 1 Ends</td>
<td>Friday, February 28</td>
</tr>
<tr>
<td>5 Week Session 2 Begins</td>
<td>Monday, March 2</td>
</tr>
<tr>
<td>Spring Break</td>
<td>Monday-Friday, March 9-13</td>
</tr>
<tr>
<td>First Bi-Term Ends</td>
<td>Friday, March 20</td>
</tr>
<tr>
<td>Second Bi-Term Begins</td>
<td>Monday, March 23</td>
</tr>
<tr>
<td>5 Week Session 2 Ends</td>
<td>Friday, April 10</td>
</tr>
<tr>
<td>5 Week Session 3 Begins</td>
<td>Monday, April 13</td>
</tr>
<tr>
<td>5 Week Session 3 Ends</td>
<td>Friday, May 15</td>
</tr>
<tr>
<td>Final Examinations</td>
<td>Monday-Friday, May 11-15</td>
</tr>
<tr>
<td>Commencement Weekend</td>
<td>Friday-Sunday, May 15-16</td>
</tr>
<tr>
<td>Final Grades Due</td>
<td>Tuesday, May 19 (noon)</td>
</tr>
</tbody>
</table>

#### Summer Term 2020

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>May Sessions</td>
<td></td>
</tr>
<tr>
<td>Classes Begin</td>
<td>Monday, May 18</td>
</tr>
<tr>
<td>Memorial Day (university closed)</td>
<td>Monday, May 25</td>
</tr>
<tr>
<td>June I Sessions</td>
<td></td>
</tr>
<tr>
<td>Classes Begin</td>
<td>Monday, June 8</td>
</tr>
<tr>
<td>June II Sessions</td>
<td></td>
</tr>
<tr>
<td>Classes Begin</td>
<td>Monday, June 15</td>
</tr>
<tr>
<td>July I Sessions</td>
<td></td>
</tr>
</tbody>
</table>

*Independence Day - Observed (university closed) Thursday, July 3*  
*Classes Begin Monday, July 13*  
*July II Sessions Classes Begin Monday, July 20*  
*Summer Term Ends Thursday, August 13*
Welcome to Western Kentucky University (WKU), home of the Hilltoppers. Our hilltop campus is a place of beauty and friendliness. It embraces a proud heritage and a bold, ambitious future. WKU is located in Bowling Green, Kentucky, a city with a population of more than 60,000 approximately 110 miles south of Louisville and 65 miles north of Nashville. As a distinctive landmark on a hill overlooking the city, the WKU campus commands an impressive view of the Barren River Valley and is acclaimed as one of the most beautiful campuses in the nation. Visit http://wku.edu/tour for a virtual campus tour. In addition to main campus, WKU has locations at South Campus, the Center for Research and Development, and the University Farm. Outside of Bowling Green, there are Regional Campuses in Glasgow, Owensboro, and Elizabethtown-Fort Knox.

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-three (93) academic majors that lead to the baccalaureate degree and seventy-seven (77) academic minors are available. A number of professional and pre-professional advising tracks provide additional options.

Six (6) 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. Twenty-one (21) undergraduate certificate programs are also offered.

The Graduate School (http://www.wku.edu/graduate) at WKU offers graduate education in 92 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 to be the site of one, and the Western Kentucky State Normal School was created. 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. Poter 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 expand. The College of Health and Human Services was established in 2002, and the Division of Extended Learning and Outreach launched in 2003. In 2008, the WKU Board of Regents approved creation and development of a fully-independent Honors College at WKU. In 2011, the first doctoral degrees were awarded through the College of Education and Behavioral Sciences. In 2011 and 2013 two new 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 and Engineering
- Potter College of Arts & Letters

In addition, the Dixie and Peter Mahurin Honors College 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 on the baccalaureate and master's degrees, complemented by relevant associate and doctoral level programs. The University places a premium on student learning; it 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. It 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 mission, and purpose statements, and in the goals of the strategic plan. 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…”

The core values are further reflected in Dr. Cherry’s oft-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 values 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.

Accreditations

Western Kentucky University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate, baccalaureate, masters, specialist, and doctorate degrees. Contact the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call (404) 679-4500 for questions about the accreditation of Western Kentucky University.

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

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.accredit.org) (NASAD) Commission on Accreditation (https://nasad.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))

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)


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/accred) (ACEND) (Dietetic Internship)
Early Childhood Education: National Association for the Education of Young Children (https://www.naeyc.org/accreditation) (NAEYC) (AA Program)

Education: National Council for Accreditation of Teacher Education (http://www.ncate.org) (NCATE) (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)

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)


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)


Nursing: Commission on Collegiate Nursing Education (http://www.aacn.nche.edu/ccne-accreditation) (CCNE) (BSN, MSN and DNP) and Accreditation Commission for Education in Nursing (https://www.acenursing.org) (ACEN) (ASN Program)

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)

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

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 (http://www.asha.org/academic/accreditation) (CAA) (MS)


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, head 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 in writing, state the reasons for 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 the 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 2013 fall semester and who completed an associate degree or a baccalaureate degree within six years (through August, 2019). For this cohort of beginning students, the graduation rate is 48.87%.

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

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, 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), at:

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

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

Ms. Andrea Anderson
Assistant General Counsel
Wetherby Administrative Center
1906 College Heights Blvd. #11001
Bowling Green, KY 42101-1001
andrea.anderson@wku.edu
(270) 745-5398

Information regarding WKU's Title IX compliance, policies, and procedures may be found on the following websites:

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

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

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

Academic Affairs & Provost's Office
Wetherby Administration Building, Room 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) 669-4000
TTY (215) 669-6820

or

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
ENROLLING AT WKU

- Admission (p. 26)
- College Readiness (p. 29)
- Topper Orientation Program (p. 30)
- Advising and Career Development Center (p. 30)
- Registration and Student Academic Records (p. 31)
- Expenses and Fees (p. 32)
- Financial Assistance (p. 36)
- Housing & Residence Life (p. 39)

Admission

Dr. Jace Lux, Director
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

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 state).
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 and ACT scores with the application.

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

Dual Credit Program - The Division of Extended Learning & Outreach (DELO) 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. http://www.wku.edu/delo.

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

<table>
<thead>
<tr>
<th>Entrance Level</th>
<th>Records Needed</th>
<th>When to Apply</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beginning Freshman</td>
<td>• Application Fee</td>
<td>Early in senior year</td>
</tr>
<tr>
<td></td>
<td>• High school transcript</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• ACT scores (or SAT)</td>
<td></td>
</tr>
</tbody>
</table>
### Transfer

- 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 (unless the applicant is 21 years of age or older)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Fee</td>
<td>At least one semester prior to entrance</td>
</tr>
<tr>
<td>One official transcript from each institution attended since leaving WKU</td>
<td>At least one semester prior to entrance</td>
</tr>
</tbody>
</table>

### Readmission

- One official transcript from each institution attended since leaving WKU

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>One official transcript from each institution attended</td>
<td>At least one semester prior to entrance</td>
</tr>
</tbody>
</table>

### Visitor

- Application Fee
- Letter of good standing from home institution

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Fee</td>
<td>At least 30 days before term begins</td>
</tr>
<tr>
<td>Letter of good standing from home institution</td>
<td>At least 30 days before term begins</td>
</tr>
</tbody>
</table>

### International Students

- Contact the Office of International Admissions

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact the Office of International Admissions</td>
<td>As early as possible</td>
</tr>
</tbody>
</table>

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:** iem@wku.edu  
**Website:** [http://www.wku.edu/international](http://www.wku.edu/international)

International Admissions is housed within Global Engagement, 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.

<table>
<thead>
<tr>
<th>Test</th>
<th>Score (minimum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOEFL IBT</td>
<td>71</td>
</tr>
<tr>
<td>IELTS (academic version)</td>
<td>6.0</td>
</tr>
<tr>
<td>ELS</td>
<td>109</td>
</tr>
<tr>
<td>Pearson Test of English – Academic 52 (PTEA)</td>
<td></td>
</tr>
<tr>
<td>SAT Evidence Based Reading and Writing</td>
<td>460</td>
</tr>
</tbody>
</table>

**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). 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 admissible to the Pathway. Each student admitted to the Pathway will within the discipline. At time of application, transfer students with 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.

Alternative International Student Placement at WKU - WKU offers a Placement program that includes one year of credit bearing academic courses to prepare international students for university studies in the United States. Students must have a secondary school education and a minimum grade point average (GPA) of 2.0, demonstrated financial resources, and proficiency in English as determined by one of the following: or a 61 on the TOEFL internet-based test, an IELTS (academic version) of 5.5, or a 45 on the Pearson Test of English – Academic (PTEA). Any applicant meeting these requirements will be admissible to the Placement. Each student admitted to the Placement 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 Placement and transition to non-Placement WKU courses.

Supplemental Requirements

<table>
<thead>
<tr>
<th>WKU Application Fee($75)</th>
<th>Final High School Transcript/ Diploma</th>
<th>Credential Verification and In-House Evaluation</th>
<th>TOP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Admit Required Required Required Required</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pathway Required Required Required N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transfer Required High School/ College Transcript Required Required</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

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/admissions/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 164.284(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 Director 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). Failure to meet one or more of the standards constitutes a deficiency.

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 Balance**
  - 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

- **COMPASS test scores (no longer administered)**
  - Reading (valid for placement): 76 or higher on Reading

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

WKU places students in advising tracks and first-year courses according to their readiness needs and declared major upon entry. This process ensures incoming students are advised and placed in the appropriate level course to maximize their success.

Students placing into two or more supplemental courses (English, Mathematics, and/or Reading) will be placed into an academic assistance program.

College Readiness Standards Placement

The College Readiness standards are implemented through placement exams that provide advisors the additional information necessary to
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 placement cut-off scores, see: http://www.wku.edu/getready/course_placement_info.php.

The following supplemental courses are available at WKU:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>Introduction to College Writing and Supplemental Writing Lab</td>
<td>5</td>
</tr>
<tr>
<td>MA 109C</td>
<td>General Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 112</td>
<td>Problem Solving and Mathematical Skills for Teachers (Note: Certain sections of MATH 112 are restricted based on test scores)</td>
<td>3</td>
</tr>
<tr>
<td>MA 115C</td>
<td>Applied College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MA 116C</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MA 115C &amp; MATH 105</td>
<td>Applied College Algebra and Corequisite Support for Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MA 116C &amp; MATH 105</td>
<td>College Algebra and Corequisite Support for Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MATH 123 &amp; MATH 105</td>
<td>Mathematical Applications for Business and Corequisite Support for Algebra</td>
<td>4</td>
</tr>
<tr>
<td>LTcy 199</td>
<td>Reading for Evidence and Argument</td>
<td>3</td>
</tr>
</tbody>
</table>

Topper Orientation Program

Ashlee Manley, Assistant Director of Orientation and Admission Events
development 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

The Advising and Career Development Center (ACDC) advisors and staff 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, and 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 his/her 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 ACDC advisor who works closely with the academic colleges. Students with a declared major and 60 hours or more will be assigned an advisor from the academic department that administers their particular program of study. Students can find their advisor’s contact information on TopNet or by contacting the ACDC at (270) 745-5065.

The Exploratory Program

The Advising and Career Development Center (ACDC) specifically serves undergraduate students that have not selected a major and are exploring their options. The Exploratory Program advisors 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. These students explore the wide array of majors and minors WKU has to offer, and are able to 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 the staff of the ACDC, and can continue as an Exploratory student up to 60 credit hours. A student can be general Exploratory or Exploratory within one of the academic colleges.

Best Expectation Programs (BEP)

The Best Expectations Programs (BEP) targets academically-at-risk students on probation with programs to increase persistence through structured support. Students on academic probation are required to attend BEP workshops. BEP works with students to identify realistic academic goals, as well as address other academic and non-academic concerns. BEP provides students with workshop opportunities, and tutoring services through The Learning Center. Ultimately, the efforts of BEP will encourage student persistence, and assist them in successful degree completion from WKU.

The Learning Center (TLC)

Downing Student Union; Room 1082

Phone: (270) 745-5816
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). The mission of TLC is to promote student success, enhance student performance, and increase 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 computer lab 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 be successful WKU graduates.

Transfer Center

Downing Student Union; Room 2135
Phone: (270) 745-2178
Email: transfer@wku.edu (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 will work 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 in regards to all things transfer. International transfer students are encouraged to visit the International Student Office on the 3rd floor of the Dixie and Peter Mahurin Honors College/International Center or email iem@wku.edu (iem@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 also provides excellent information, including course-by-course transfer equivalency articulations: http://www.wku.edu/transfer/.

Registration and Student Academic Records

Jennifer Hammonds, University Registrar
Potter Hall, 2nd Floor
Phone: (270) 745-3351; Fax: (270) 745-4830
Email: registrar@wku.edu (registrar@wku.edu)
Website: 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.

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
Belinda Higginbotham, Bursar
Potter Hall, Room 208
Phone: (270) 745-6381; Fax: (270) 745-6584
Email: billings.receivables@wku.edu
Website: http://www.wku.edu/bursar

Ms. Susan Howarth, Executive Vice President for Strategy, Operations, and Finance
Potter Hall, Room 435
Phone: (270) 745-2434

<table>
<thead>
<tr>
<th>Classification</th>
<th>Full-Time</th>
<th>Summer Term, Winter Term and Part-Time Per Credit Hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resident</td>
<td>$5401.00</td>
<td>$450.00</td>
</tr>
<tr>
<td>Military Veteran/Dependent Resident</td>
<td>$5401.00</td>
<td>$450.00</td>
</tr>
<tr>
<td>Non-Resident (Domestic)</td>
<td>$13,248.00</td>
<td>$1,104.00</td>
</tr>
<tr>
<td>International</td>
<td>$13,572.00</td>
<td>$1,131.00</td>
</tr>
<tr>
<td>Tuition Incentive Program</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergraduate</td>
<td>$6,948.00</td>
<td>$579.00</td>
</tr>
<tr>
<td>Distance Learning Course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergraduate</td>
<td>$540.00</td>
<td></td>
</tr>
<tr>
<td>Active Military (Per Credit Hour)</td>
<td>$250.00</td>
<td></td>
</tr>
</tbody>
</table>

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.

Full-time undergraduate students enrolled both on campus and distance learning courses will be assessed an additional Distance Learning Course Fee per credit hour for each distance learning credit hour in which they are enrolled. The Undergraduate Distance Learning Course Fee is $150.00 per credit hour for the Fall 2019 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 based on the projected Fall 2019 semester rates and 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) $1,587 - 2,135
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
The cost of course materials vary, but an average of $30 per credit hour is usually close. Course materials also vary in cost based on their format - traditional books (new and used), rental books, and e-books. The
WKU Store offers all formats, specializing in affordable used books and custom, non-traditional formats.

Visit http://www.wkustore.com to determine your course material needs. In-store or online, The WKU Store is your best choice because they get it right the first time. For accuracy, convenience, and best savings, enroll in The WKU Store Textbook Reservation Program, available through TopNet for Fall and Spring semesters.

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 15 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 designated for double occupancy. The cost for these rooms for the 2019-2020 academic year ranges from $2,407 to $3,138 per semester. Rates are per student, double occupancy. On-campus housing is also available for summer term at a double occupancy rate of approximately $135 per person for each week in residence. Please contact the Department of Housing and Residence Life for additional information or visit their website at 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 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.

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

Paying for 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, Enterprise CarShare program, bike share services, 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. 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.

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, formerly known as Tuition Management Systems (TMS).

### 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

- Pay online at wku.afford.com (http://wku.afford.com), call (800) 722-4867 or access your account through Topnet.
- Visa®, MasterCard®, Discover® and American Express® are accepted.
- If you choose to use a credit card, a fully disclosed processing free of approximately 2.75% 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, formerly known as Tuition Management Systems (TMS). 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 2019 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 2020 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.

**Enrollment Fees for the Payment Plans:** A non-refundable application fee of $45 is required for each semester payment plan enrollment. This fee must be included with the completed enrollment form. The payment plan enrollment includes personal account service, automated account...
information 24 hours a day, access to your account through their web site, http://wku.afford.com. Visit online at http://wku.afford.com or call 1-800-722-4867 for more information on payment options, free education payment counseling and the many ways they can help you afford education.

4. Depository

Your payment may be placed in the depository located outside of the second floor entrance of Potter Hall. Always include the bottom portion of your 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. Payments must be made in US dollars drawn on a US Bank. 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.

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

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 Disbursements – The “ONLY” Way to Select How You Will Receive University Refunds

Western Kentucky University has partnered with BankMobile Disbursements to deliver financial aid refunds and other credit balances to students. All refunds are disbursed through BankMobile Disbursements.

Refunds are delivered to students by one of the options below they choose when selecting their refund preference by logging in at my.wku.edu and clicking on BankMobile under Campus Information:

1. Electronic deposit to an existing bank account of your choice.
2. Electronic deposit to BankMobile Vibe, an optional account.

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 Disbursements who then disburses the refunds according to the choice a student has made during the selection process. For questions about the refund selection 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:

<table>
<thead>
<tr>
<th>Fall and Spring Semesters</th>
<th>Tuition Refund Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Official Withdrawal Period</td>
<td></td>
</tr>
<tr>
<td>Through first 6 days of classes</td>
<td>100%</td>
</tr>
<tr>
<td>From the 7th day of class through the end of the second week</td>
<td>50%</td>
</tr>
<tr>
<td>Through the end of the third week</td>
<td>25%</td>
</tr>
<tr>
<td>No refund after the third week of classes</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fall and Spring Bi-Term Classes</th>
<th>Tuition Refund Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Official Withdrawal Period</td>
<td></td>
</tr>
<tr>
<td>Through first 3 days of classes</td>
<td>100%</td>
</tr>
<tr>
<td>4th and 5th days of classes</td>
<td>50%</td>
</tr>
<tr>
<td>6th and 7th days of classes</td>
<td>25%</td>
</tr>
<tr>
<td>No refund after the 7th day of classes</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Winter Term 3-Week Session</th>
<th>Tuition Refund Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Official Withdrawal Period</td>
<td></td>
</tr>
<tr>
<td>Through first 2 days of classes</td>
<td>100%</td>
</tr>
<tr>
<td>3rd day of classes</td>
<td>50%</td>
</tr>
<tr>
<td>No refund after the 3rd day of classes</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Summer 13-Week Session</th>
<th>Tuition Refund Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Official Withdrawal Period</td>
<td></td>
</tr>
<tr>
<td>Through first 5 days of classes</td>
<td>100%</td>
</tr>
<tr>
<td>6th through 8th days of classes</td>
<td>50%</td>
</tr>
<tr>
<td>9th through 12th days of classes</td>
<td>25%</td>
</tr>
<tr>
<td>No refund after the 12th day of classes</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Summer 8-Week Session</th>
<th>Tuition Refund Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Official Withdrawal Period</td>
<td></td>
</tr>
<tr>
<td>Through first 3 days of classes</td>
<td>100%</td>
</tr>
<tr>
<td>4th and 5th days of classes</td>
<td>50%</td>
</tr>
<tr>
<td>6th and 7th days of classes</td>
<td>25%</td>
</tr>
<tr>
<td>No refund after the 7th day of classes</td>
<td></td>
</tr>
</tbody>
</table>
### 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.

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

The FAFSA is available at http://www.fafsa.gov.

## Application Priority Filing Dates

**Fall Semester** - As soon after October 1 as possible
Winter and Summer Financial Aid
Limited funds are available for winter and summer terms 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 at the beginning of 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://studentloans.gov.

Renewal Procedures
Financial aid awards are calculated on current financial information. Therefore, a new financial aid form must be filed each year. Students may apply online at www.fafsa.gov (http://www.fafsa.gov). Students will need an FSA ID in order to sign their FAFSA electronically; apply for a FSA ID at http://studentaid.gov/fsaid.

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 or summer term, 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: http://wk.edu/financialaid/sap.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
545 South Third St.

Louisville, KY 40202.

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 and 1607 (reserve/national guard), Chapter 35 (Dependents Educational Assistance Program), Chapter 32 (Veteran's Educational Assistance Program) and Chapter 31 (Vocational Rehabilitation). Questions regarding eligibility for Chapters 30, 32, 33, 35, 1606 and 1607 educational benefits should be directed in writing to:

VA Regional Office
PO Box 32432
St Louis, MO 63132-0832

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 physical 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 2019-2020 academic year. Additional scholarship information can be found at https://www.wku.edu/scholarship/.

Beginning Freshmen
Academic scholarships are awarded based on academic achievement (GPA, rank in class and ACT/SAT scores), participation in extracurricular activities and leadership. To receive full consideration for University merit scholarships, students must apply for admission to WKU and submit an official high school transcript and ACT/SAT score by February 1st. Students can apply for additional scholarship opportunities at https://www.wku.edu/topdollar/.

The University's most prestigious award is the Cherry Presidential Scholarship. This scholarship is based on academic achievement (3.8 unweighted GPA, 31 ACT / 1360 SAT), supplemental essays, letters of recommendation 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 3.3 unweighted GPA and a minimum 25 ACT (1130 SAT). Academic Merit awards are renewable for up to four years or graduation, whichever occurs first.

Scholarship awards are available for specific targeted groups. Additional information is available at https://www.wku.edu/scholarship-new/targetedawards.php.

Transfer Scholarships
Students with a minimum of 24 transfer hours from a regionally accredited institution and a minimum 3.5 cumulative GPA may qualify for WKU’s Transfer Base Awards. Students who completed an Associate’s degree within the last 2 years from a regionally accredited institution with a minimum 3.0 cumulative GPA may qualify for WKU’s Transfer Targeted Award. 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 deadline for submitting the application is February 1st. 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, 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 may 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

Those considering 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) ($311)
- ROTC Stipend ($420)

For more information about KY National Guard contact SFC Eric Vincent (eric.vincent@wku.edu).

For more information about the Army Reserves contact SFC Kimberly Cardona (kimberly.cardona@wku.edu).

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.

Tuition Incentive Program (TIP)
Western Kentucky University offers a Tuition Incentive Program (TIP) to qualified non-Kentucky students who are residents of specific counties in several states. Additional information regarding TIP is available at https://www.wku.edu/admissions/tip.php.

Tuition Incentive Program Scholarship (TIPS)
Students from TIP counties with superior achievement may receive an additional scholarship, the “Tuition Incentive Program Scholarship” (TIPS). Please visit https://www.wku.edu/admissions/tip.php for more information.

Note: The Tuition Incentive Program (TIP) and the Tuition Incentive Program Scholarship (TIPS) are different. TIP is a tuition rate based on county of residence; TIPS is a scholarship based on academic qualifications applicable to students from TIP counties. Students from TIP counties are eligible for consideration for the TIP Scholarship. All TIP counties are determined by the WKU Board of Regents and approved by the Kentucky Council on Postsecondary Education (see: https://www.wku.edu/admissions/tip.php).

Alumni Grant Scholarship
An Alumni Grant is available to any qualified nonresident student whose parent, stepparent or grandparent holds an associate, baccalaureate, masters, specialist, or doctoral degree or has completed a certificate program from Western Kentucky University. Tuition for qualified students will be the Tuition Incentive Program (TIP) rate.

For qualifications, requirements and procedures, students should contact the Department of Student Financial Assistance.
Housing & Residence Life

Dr. Mike Reagle, Assistant Vice President for Student Affairs and Director of Housing & Dining

Randall Farris, Director for Facilities
Lana Kunkel, Associate Director, Housing Operations
Minnette Ellis, Assistant Director, Housing & Residence Life
Blair Jensen, Assistant Director, Housing & Residence Life
Daniel Rosner, Assistant Director, Housing & Residence Life
Nick Haught, Assistant Director, Housing & Residence Life

Southwest Hall, Room 18
Phone: (270) 745-4359
Email: hrl@wku.edu
Website: 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: cable television, Internet connections and Wi-Fi capability in each bedroom, and laundry facilities in each hall. Apartment living is also available to juniors, seniors and graduate students. 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 include students who are married, have dependent children, 21 years old or older, military veterans of 181 continuous days or more, commuting from their parents’ permanent address (50 mile limit), sophomore fraternity or sorority members who are officers and are required to live in the chapter house, and special circumstances. Requests for exemption can be submitted online in the Housing Portal.

Housing Deposit and Fee Payment

The Residence Hall Housing Agreement requires an accompanying $150 deposit. This deposit will remain on file throughout the resident’s term of occupancy and serves as a combination room reservation, damage, cancellation and room checkout deposit. It does not apply to the semester housing fee, and may be carried over to subsequent academic years.

Students who submit a Residence Hall Housing Agreement 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 Agreement on or after the first day of classes for either the fall or spring semester agree to submit the $150 housing deposit 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

The Residence Hall Housing Agreement is for the full academic year.

Students who submit written notice of cancellation to the Department of Housing and Residence Life prior to the beginning of the academic year may receive a partial refund of the advance deposit based upon the following dates:

• Cancellations received by July 1 for an agreement beginning fall semester or November 15 for spring semester only, students will receive 2/3 refund of deposit or $100.00.
• Cancellations received between July 2 and August 1 for an agreement beginning fall semester or between November 16 and December 15 for spring semester only, will result in a 1/3 refund of deposit or $50.
• For cancellations received after August 1 for fall semester or December 15 for spring semester only, students do not receive a refund of the advance $150 deposit. Exceptions to this policy include only those students who are denied admission to the University or not assigned due to lack of residence hall space.

Residents who cancel their Residence Hall Housing Agreement at any time during the academic year, and subsequently continue full-time enrollment, will be assessed a $750 contract termination fee, will not receive any refund of their housing deposit and may be assessed housing fees for all applicable semesters. Requests for Exemption from the Contract Termination fee are available online through the Department of Housing and Residence Life website.

<table>
<thead>
<tr>
<th>Hall Name</th>
<th>Number of Floors</th>
<th>Maximum Occupancy</th>
<th>Eligibility Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Men’s Halls</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Douglas-Keen</td>
<td>7</td>
<td>240</td>
<td>Extended Living</td>
</tr>
<tr>
<td>Barnes-Campbell</td>
<td>9</td>
<td>382</td>
<td>None</td>
</tr>
<tr>
<td>McCormack</td>
<td>6</td>
<td>374</td>
<td>None</td>
</tr>
<tr>
<td>Hugh Poland</td>
<td>9</td>
<td>406</td>
<td>None</td>
</tr>
<tr>
<td><strong>Women’s Halls</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Douglas-Keen</td>
<td>4</td>
<td>132</td>
<td>None</td>
</tr>
<tr>
<td>Gilbert</td>
<td>4</td>
<td>202</td>
<td>None</td>
</tr>
<tr>
<td>Pearce-Ford</td>
<td>27</td>
<td>858</td>
<td>None</td>
</tr>
<tr>
<td>Meredith</td>
<td>3</td>
<td>188s</td>
<td>Sorority</td>
</tr>
<tr>
<td>Rodes-Harlin</td>
<td>9</td>
<td>368</td>
<td>None</td>
</tr>
<tr>
<td><strong>Co-Ed Halls</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bates-Runner</td>
<td>3</td>
<td>148#</td>
<td>Upperclassmen-Extended Living</td>
</tr>
<tr>
<td>Hilltopper</td>
<td>6</td>
<td>408</td>
<td>Extended Living</td>
</tr>
<tr>
<td>McLean</td>
<td>3</td>
<td>126#</td>
<td>Upperclassmen</td>
</tr>
<tr>
<td>Minton</td>
<td>10</td>
<td>406</td>
<td>Honors</td>
</tr>
<tr>
<td>Northeast</td>
<td>3</td>
<td>300#</td>
<td>Upperclassmen, Extended Living</td>
</tr>
<tr>
<td>Southwest</td>
<td>3</td>
<td>300#</td>
<td>Upperclassmen-Honors</td>
</tr>
<tr>
<td>Zacharias</td>
<td>3</td>
<td>212s</td>
<td>Upperclassmen</td>
</tr>
</tbody>
</table>
Suites

# rooms with private bathrooms

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

Extended Living

For the 2019-2020 academic year, extended living is offered at Douglas Keen Hall, Northeast Hall, Bates Runner Hall, and Hilltopper Hall, which allows students to remain in their rooms during the Thanksgiving, semester 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.

Room Assignments

Room assignments are made based upon the date of receipt of the Housing Agreement. 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 receipt.

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 $150.00 deposit 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. 41)
- Degree Requirements (p. 47)
- Colonnade Requirements (p. 50)
- Credit by Examination and Prior Learning Assessment (p. 55)
- Transfer of Credits (p. 68)
- Academic Definitions (p. 69)
- Academic Degree Types (p. 70)

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.

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 that this information be included in the course syllabus.

- 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 head, 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 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.

**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: Effective Fall 2019, WKU no longer offers developmental courses.
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 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:

<table>
<thead>
<tr>
<th>Designation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AU</td>
<td>Auditor of a course, (See “Auditing of Courses” for additional information.)</td>
</tr>
<tr>
<td>W</td>
<td>Officially Withdrew</td>
</tr>
<tr>
<td>NR</td>
<td>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.</td>
</tr>
<tr>
<td>ER</td>
<td>Error in reporting, this designation is used by the Office of the Registrar when a grade is not reported for an individual student.</td>
</tr>
<tr>
<td>NG</td>
<td>No grade, a grade is not appropriate to the course. The “NG” designation is restricted to specific courses approved for its use.</td>
</tr>
<tr>
<td>IP</td>
<td>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.”</td>
</tr>
</tbody>
</table>

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 head 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 head. 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 head 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 in both the overall grade point average (GPA) and the total institution GPA (i.e., courses taken at WKU). Note: At the end of each academic term, students may access TopNet to obtain their term GPA, their total institution grade point average, and their overall grade point average.

Academic Warning
If a student’s term GPA falls below the 2.0 requirement, but the student satisfies the 2.0 requirement for the institutional GPA and the overall GPA, 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,
Complaint Procedure. Questions about the complaint procedure, cheating, or academic dishonesty may seek relief through the Student him / her in a course involving academic offenses such as plagiarism, anyone committing such acts risks punishment of a serious nature. The maintenance of academic integrity is of fundamental importance. Academic Offenses

Academic Probation

If a student's total institution GPA and/or overall 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 achieves a 2.0 GPA each term until returning to academic Good Standing. The Advising and Career Development Center (ACDC) uses the Best Expectation Programs (BEP) and The Learning Center (TLC) to provide students on Academic Probation with resources to achieve academic Good Standing. Students on Academic Probation, or students returning after academic dismissal or a granted academic appeal, are required to participate in the Best Expectation Programs (BEP) through the ACDC.

Academic Dismissal

Any student who fails to earn a term GPA of 2.0 or higher while on Academic Probation is 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 status for all students who complete a term is shown on TopNet. It is the student's responsibility to stay informed of his/her academic status and to improve academic performance until he/she has returned 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 the University or allow the student continued enrollment under probationary status with conditions for the following term. A student 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 register 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.

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.

Academic Offenses

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 risks punishment of a serious nature.

A student who believes a faculty member has dealt unfairly with him / her 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

Academic Dishonesty

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.

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 his / her own. One must give any author credit for source material borrowed from him / her. 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.

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 Probation

If a student's total institution GPA and/or overall 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 achieves a 2.0 GPA each term until returning to academic Good Standing. The Advising and Career Development Center (ACDC) uses the Best Expectation Programs (BEP) and The Learning Center (TLC) to provide students on Academic Probation with resources to achieve academic Good Standing. Students on Academic Probation, or students returning after academic dismissal or a granted academic appeal, are required to participate in the Best Expectation Programs (BEP) through the ACDC.

Academic Dismissal

Any student who fails to earn a term GPA of 2.0 or higher while on Academic Probation is 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 status for all students who complete a term is shown on TopNet. It is the student's responsibility to stay informed of his/her academic status and to improve academic performance until he/she has returned 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 the University or allow the student continued enrollment under probationary status with conditions for the following term. A student 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 register 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.

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.

Academic Offenses

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 risks punishment of a serious nature.

A student who believes a faculty member has dealt unfairly with him / her 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
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 designee(s), will notify the student of the involuntary withdrawal, and the University Registrar will be directed to withdraw the student from all courses 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 attributable 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 heads 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 head, 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 Complaint Procedure**

The student complaint procedure for resolving a complaint concerning a faculty member is outlined below in four steps.

**Step 1 (Faculty Member)**

The first step is for the student to discuss the complaint with the faculty member involved. If the faculty member is no longer employed by the University, the student should go directly to the department head who will contact and represent the former faculty member. If the complaint involves a grade, the student must take the complaint to the faculty member within the first two weeks of the first regular semester (fall; spring) following the assignment of the grade. It is hoped that the complaint may be satisfactorily dealt with at this level.

**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 head. Written notification of the complaint must be given to the department head within two weeks after the meeting with the faculty member. It is the responsibility of the department head to arrange for a conference where the student, faculty member and the department head will be present for discussion. Neither the faculty member nor the student will be allowed representation at the conference. The department head shall hear both sides of the complaint and shall attempt to mediate a settlement. The department head shall keep a written record of the proceedings, including the recommended solution. The department head's recommended solution is to be considered by both the faculty member and the student as a recommendation and not as a decision that is binding.

**Step 3 (College Level)**

Should the student be unable to receive the satisfaction desired at the departmental level, the complaint may be taken to the college level. Written notification of the complaint must be submitted to the college dean or his designated representative within two weeks after the conference with the department head (Step 2). Upon receipt of the notification, the college dean or his/her representative shall provide the student a copy of the procedural guidelines to be followed by the College Complaint Committee. The procedural guidelines shall provide for a conference with both the student and the faculty member present for joint discussion of the complaint with the committee.

The College Complaint Committee will be responsible for scheduling the conference within two weeks following the submission of a written complaint to the chair of the College Complaint Committee, including as much detail as the student cares to include. The written complaint should clearly state what is considered to be unreasonable and/or unfair practices or procedures. Neither the faculty member nor the student will be allowed representation at the conference. The College Complaint Committee shall hear both sides of the complaint and render a decision. The decision shall be sent in writing to the Provost and Vice-President for Academic Affairs, with a copy being sent as a matter of record to the student, faculty member, faculty member's department head and the faculty member's college dean. The Office of the Provost and Vice-President for Academic Affairs shall be responsible for enforcing the decision of the college committee. The Office of the Provost and Vice-President for Academic Affairs shall not enforce the decision until two weeks after the decision is made by the college committee. The purpose of the two week delay is to provide either the student or the faculty member an opportunity to submit a formal written notice of appeal to the University Complaint Committee.

**Step 4 (University Level)**

Should the student or the faculty member desire to appeal the decision of the College Complaint Committee, a formal written notice of appeal may be submitted to the University Complaint Committee chair, with a copy to the Provost and Vice-President for Academic Affairs, within two weeks of the decision of the College Complaint Committee. The chair of the University Complaint Committee will provide the student and the faculty member involved with a copy of the University Complaint Committee's Procedural Guidelines. The University Complaint Committee will secure copies of the written proceedings from the department head and the College Complaint Committee. The University Complaint Committee will schedule a conference where the faculty member and the student jointly discuss the issue. Neither the faculty member nor the student will be allowed representation at the conference. The committee's decision will be sent to the Provost and Vice-President for Academic Affairs, with a copy being sent as a matter of record to the student, faculty member, faculty member's department head and the faculty member's college dean. The Office of the Provost and Vice-President for Academic Affairs will see that decisions of the University Complaint Committee are carried out. The University Complaint Committee's decision is final.

**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 head.
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 head, 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 head 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 maximum of 6 transfer hours may be used for the undergraduate certificate program.

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. A student is permitted to transfer a maximum of six semester hours toward a certificate program.

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.
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 Associate 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 head 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 head 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.

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 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)

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<tr>
<th>Code</th>
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<tr>
<td>ENG 100</td>
<td>Introduction to College Writing</td>
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<td>ENG 300</td>
<td>Writing in the Disciplines</td>
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<tr>
<td>COMM 200</td>
<td>Communication Foundations</td>
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<td>GEOG 300</td>
<td>Writing in the Geosciences</td>
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<td>PSYS 300</td>
<td>Writing in the Psychological Sciences</td>
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**Human Communication**

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<tr>
<td>COMM 145</td>
<td>Fundamentals of Public Speaking and Communication</td>
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**Quantitative Reasoning**

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<tr>
<td>CS 146</td>
<td>Introduction to Programming</td>
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<td>MATH 109/MA 109C</td>
<td>General Mathematics</td>
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<tr>
<td>MATH 112</td>
<td>Problem Solving and Mathematical Skills for Teachers</td>
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<tr>
<td>MATH 115/MA 115C</td>
<td>Applied College Algebra</td>
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<tr>
<td>MATH 116/MA 116C</td>
<td>College Algebra</td>
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<tr>
<td>MATH 117/MA 117C</td>
<td>Trigonometry</td>
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<tr>
<td>MATH 123</td>
<td>Mathematical Applications for Business</td>
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<tr>
<td>MATH 136</td>
<td>Calculus I</td>
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<tr>
<td>MATH 142</td>
<td>Calculus with Applications for Life Sciences</td>
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<tr>
<td>MATH 183</td>
<td>Introductory Statistics</td>
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<tr>
<td>PHIL 215</td>
<td>Symbolic Logic</td>
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**Literary Studies**

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<tr>
<td>ENG 200</td>
<td>Introduction to Literature</td>
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<td>MLNG 200</td>
<td>Introduction to Literature in Translation</td>
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<td>RELS 200</td>
<td>World Religious Literature</td>
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**World History**

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**Total Hours**

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

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<td>ARC 100</td>
<td>Introduction to Asian Studies (AH)</td>
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<td>ART 100</td>
<td>Art Appreciation (AH)</td>
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<tr>
<td>ART 102</td>
<td>Introduction to Making Art &amp; Making Meaning</td>
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<tr>
<td>ART 105</td>
<td>History of Art to 1300 (AH)</td>
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<td>ART 106</td>
<td>History of Art Since 1300 (AH)</td>
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<td>DANC 110</td>
<td>Dance Appreciation (AH)</td>
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<td>FILM 201</td>
<td>Introduction to the Cinema (AH)</td>
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<td>FLK 275</td>
<td>Supernatural Folklore (AH)</td>
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<td>FLK 276</td>
<td>Introduction to Folk Studies (AH)</td>
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<td>MUS 120</td>
<td>Music Appreciation (AH)</td>
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<td>PHIL 101</td>
<td>Enduring Questions: Truth and Relativism (AH)</td>
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<td>PHIL 102</td>
<td>Enduring Questions: The Good and the Beautiful (AH)</td>
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<td>PHIL 103</td>
<td>Enduring Questions: The Committed Life (AH)</td>
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<tr>
<td>PJ 131</td>
<td>Introduction to Digital Photography (AH)</td>
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<td>POP 201</td>
<td>Introduction to Popular Culture Studies (AH)</td>
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<td>RELS 100</td>
<td>The New Testament (AH)</td>
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<tr>
<td>RELS 101</td>
<td>The Old Testament/ Hebrew Scriptures (AH)</td>
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<td>RELS 102</td>
<td>World Religions (AH)</td>
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<td>THEA 151</td>
<td>Theatre Appreciation (AH)</td>
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**Social & Behavioral Sciences**

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<td>AFAM 190</td>
<td>African American Experience (SB)</td>
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<td>AGRI 108</td>
<td>Rural Sociology (SB)</td>
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<td>ANTH 120</td>
<td>Introduction to Cultural Anthropology (SB)</td>
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<td>ANTH 130</td>
<td>Introduction to Archaeology (SB)</td>
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<tr>
<td>BUS 100C</td>
<td>Introduction to Business (SB)</td>
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<tr>
<td>CNS 110</td>
<td>Human Relations (SB)</td>
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<td>CRIM 101</td>
<td>Introduction to Criminal Justice (SB)</td>
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<td>CSJ 200</td>
<td>Introduction to Social Justice (SB)</td>
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<td>ECON 150/ECO 150C</td>
<td>Introduction to Economics (SB)</td>
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<td>Principles of Economics (Micro) (SB)</td>
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<td>ECON 203</td>
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<td>GEOG 110</td>
<td>World Regional Geography (SB)</td>
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<td>GERO 100</td>
<td>Introduction to the Aging Experience (SB)</td>
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<tr>
<td>GWS 200</td>
<td>Introduction to Gender And Women's Studies (SB)</td>
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**Total Hours**

18
### Colonnade Requirements

#### 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/PSYS 100
Introduction to Psychology (SB)

#### PSY/PSYS 220
Introduction to Lifespan Developmental Psychology (SB)

#### REC 200
Recreation in Society (SB)

#### SJB 154
New Media Literacy: Explorations in Participatory Culture (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

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

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### 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.

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<td>Population, Society, and Development (SY)</td>
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<td>SWRK 330</td>
<td>Human Behavior in the Social Environment I (SY)</td>
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**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), Chinese Flagship (CHNF), Greek (RELS/BLNG), Hebrew (RELS/BLNG), Latin (RELS/BLNG), and Pali II (RELS/BLNG).

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, APPL, Avant STAMP, BYU FLATS, or departmental exam. Information on the AP, CLEP, IB, and departmental exams is available in the “Credit by Exam” section of the undergraduate catalog. The APPL, Avant STAMP, and BYU FLATS information is found on the 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 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 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 before the 2004 summer term are 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 foreign language.

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 appeal process 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/academicaffairs/transferappealsprocess.pdf (https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&ved=2ahUKEwiaw9zV0ajjAhUJLs0KHZY1%3A%2F%2Fcepe.ky.gov%2Fpolicies%2Facademicaffairs%2FTransferAppealsprocess.pdf&usg=AOvVaw0pQ3Ji5Q6eMhRVe268H10).

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://ap.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

<table>
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<tr>
<th>AP Course</th>
<th>Minimum Score</th>
<th>Credit Hours</th>
<th>Equivalent WKU Course(s)</th>
<th>Colonnade Program(s)</th>
<th>Kentucky Statewide GEN ED Category</th>
<th>WKU Course(s)</th>
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<td>3</td>
<td>3</td>
<td>HIST 240</td>
<td>F-SB SB</td>
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<tr>
<td>World History</td>
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<td>3</td>
<td>HIST 240</td>
<td>F-SB SB</td>
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<td></td>
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</tr>
</tbody>
</table>

### Mathematics

<table>
<thead>
<tr>
<th>Course Group</th>
<th>4 Hour Credits</th>
<th>6 Hour Credits</th>
<th>Course Code(s)</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>4</td>
<td>6</td>
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<tr>
<td>Course</td>
<td>Score</td>
<td>Credits</td>
<td>Course Code</td>
<td>Area(s)</td>
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<tr>
<td>--------</td>
<td>-------</td>
<td>---------</td>
<td>-------------</td>
<td>---------</td>
</tr>
<tr>
<td>Calculus AB (<a href="https://apstudent.collegeboard.org/apcourse/ap-calculus-ab">https://apstudent.collegeboard.org/apcourse/ap-calculus-ab</a>)</td>
<td>3+</td>
<td>4</td>
<td>MATH 136</td>
<td>F-QR, QR</td>
</tr>
<tr>
<td>Calculus BC (<a href="https://apcentral.collegeboard.org/courses/ap-calculus-bc/exam">https://apcentral.collegeboard.org/courses/ap-calculus-bc/exam</a>)</td>
<td>4+</td>
<td>8</td>
<td>MATH 136 and MATH 137</td>
<td>F-QR, QR</td>
</tr>
<tr>
<td>Statistics (<a href="https://apcentral.collegeboard.org/courses/ap-statistics/exam">https://apcentral.collegeboard.org/courses/ap-statistics/exam</a>)</td>
<td>3+</td>
<td>3</td>
<td>MATH 183 or MATH 184</td>
<td>F-QR, QR</td>
</tr>
<tr>
<td>Music</td>
<td>3</td>
<td>3</td>
<td>MUS 100</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>3</td>
<td>3</td>
<td>PHYS 101</td>
<td>E-NS, SL</td>
</tr>
<tr>
<td>Music Theory (<a href="https://apcentral.collegeboard.org/courses/ap-music-theory/exam">https://apcentral.collegeboard.org/courses/ap-music-theory/exam</a>)</td>
<td>4+</td>
<td>6</td>
<td>MUS 100 and MUS 101</td>
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<tr>
<td>Physics</td>
<td>4</td>
<td>4</td>
<td>PHYS 201</td>
<td></td>
</tr>
<tr>
<td>Physics II (<a href="https://apcentral.collegeboard.org/courses/ap-physics-2/exam">https://apcentral.collegeboard.org/courses/ap-physics-2/exam</a>)</td>
<td>4+</td>
<td>4</td>
<td>PHYS 202 and PHYS 203; or PHYS 202</td>
<td>E-NS, SL, NS, SL</td>
</tr>
<tr>
<td>Psychology</td>
<td>3+</td>
<td>3</td>
<td>PSY 100</td>
<td>E-SB, SB</td>
</tr>
<tr>
<td>Physics</td>
<td>4</td>
<td>4</td>
<td>PHYS 201</td>
<td>E-NS, SL</td>
</tr>
<tr>
<td>Accounting, Pilot and Bridge Project (APBP)</td>
<td>5</td>
<td>5</td>
<td>PHYS 265 and PHYS 266</td>
<td></td>
</tr>
</tbody>
</table>

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 201 – Introductory Accounting-Managerial. 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.

<table>
<thead>
<tr>
<th>WKU Course</th>
<th>ACT</th>
<th>SAT (Prior to March 2016)</th>
<th>SAT (March 2016)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 100</td>
<td>≥ 29 English</td>
<td>≥ 650 Critical Reading</td>
<td>≥ 35 Writing and Language</td>
</tr>
<tr>
<td>MATH 116</td>
<td>≥ 26 Math</td>
<td>≥ 590 Math</td>
<td>≥ 630 Math</td>
</tr>
</tbody>
</table>

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 eared 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.

<table>
<thead>
<tr>
<th>AICE Exam</th>
<th>Exam Grade</th>
<th>WKU Course</th>
<th>WKU Credits</th>
<th>Colonnade Gen Ed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business (AS- Level)</td>
<td>A, B, or C</td>
<td>BA 110</td>
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<tr>
<td>Business (A-Level)</td>
<td>A, B, or C</td>
<td>BA 110 and MGT 210</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Chemistry (AS-Level)</td>
<td>A or B</td>
<td>CHEM 101 or CHEM 105/ CHEM 106 and CHEM 107/ CHEM 108 or CHEM 120/ CHEM 121</td>
<td>3-8</td>
<td>E-NS &amp; E-SL</td>
</tr>
<tr>
<td>Chemistry (A-Level)</td>
<td>A or B</td>
<td>CHEM 101 or CHEM 105/ CHEM 106 and CHEM 107/ CHEM 108 or CHEM 120/ CHEM 121</td>
<td>3-10</td>
<td>E-NS &amp; E-SL</td>
</tr>
<tr>
<td>Economics (AS-Level)</td>
<td>A, B, or C</td>
<td>ECON 150</td>
<td>3</td>
<td>E-SB</td>
</tr>
<tr>
<td>Economics (A-Level)</td>
<td>A, B, or C</td>
<td>ECON 202</td>
<td>6</td>
<td>E-SB</td>
</tr>
<tr>
<td>English Literature (AS-Level)</td>
<td>A, B, or C</td>
<td>ENG 200</td>
<td>3</td>
<td>F-AH</td>
</tr>
<tr>
<td>English Literature (A-Level)</td>
<td>A, B, or C</td>
<td>ENG 200</td>
<td>3</td>
<td>F-AH</td>
</tr>
<tr>
<td>French Language (AS-Level)</td>
<td>A-E</td>
<td>FREN 201 and FREN 202</td>
<td>6</td>
<td>✓</td>
</tr>
<tr>
<td>French Language (A-Level)</td>
<td>A-E</td>
<td>FREN 320 and FREN 321</td>
<td>6</td>
<td>✓</td>
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<tr>
<td>Law (A-Level)</td>
<td>A-D</td>
<td>PLS 190C or BUS 226C</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Music (AS-Level)</td>
<td>A, B, or C</td>
<td>MUS 120</td>
<td>3</td>
<td>E-AH</td>
</tr>
<tr>
<td>Psychology (AS-Level)</td>
<td>A, B, or C</td>
<td>PSY 100</td>
<td>3</td>
<td>E-SB</td>
</tr>
<tr>
<td>Psychology (A-Level)</td>
<td>A, B, or C</td>
<td>PSY 100</td>
<td>3</td>
<td>E-SB</td>
</tr>
<tr>
<td>Sociology (A-Level)</td>
<td>A, B, or C</td>
<td>SOCL 100</td>
<td>3</td>
<td>E-SB</td>
</tr>
<tr>
<td>Spanish Language (AS-Level)</td>
<td>A-E</td>
<td>SPAN 101 and SPAN 202</td>
<td>6</td>
<td>✓</td>
</tr>
<tr>
<td>Spanish Language (A-Level)</td>
<td>A-E</td>
<td>SPAN 370 and SPAN 371</td>
<td>6</td>
<td>✓</td>
</tr>
</tbody>
</table>
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.

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

<table>
<thead>
<tr>
<th>AP Course</th>
<th>Minimum Score</th>
<th>Credit Hours</th>
<th>Equivalent WKU Course</th>
<th>Colonnade Program</th>
<th>Kentucky Statewide GEN ED Category</th>
<th>American Literature</th>
<th>75+</th>
<th>3</th>
<th>ENG 391 or ENG 392</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>50-74</td>
<td>3</td>
<td>Lower level elective</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>75+</td>
<td>3</td>
<td>Lower level elective</td>
<td></td>
<td></td>
<td></td>
<td>75+</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>50+</td>
<td>3</td>
<td>Lower level elective</td>
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<td></td>
<td></td>
<td>50+</td>
<td>3</td>
<td></td>
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<tr>
<td></td>
<td>50-74</td>
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<td>Lower level elective</td>
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<td></td>
<td></td>
<td>50-74</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

American Literature (https://clep.collegeboard.org/composition-and-literature/american-literature)


College Composition (https://clep.collegeboard.org/composition-and-literature/college-composition)

College Composition Modular (https://clep.collegeboard.org/composition-and-literature/college-composition-modular)

English Literature (https://clep.collegeboard.org/composition-and-literature/english-literature)

Humanities (https://clep.collegeboard.org/composition-and-literature/humanities)

Arts and Humanities lower level elective

E-AH AH
<table>
<thead>
<tr>
<th>World Languages</th>
<th>Credit Range</th>
<th>Units</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>French Language</td>
<td>50-55</td>
<td>6</td>
<td>FREN 101, FREN 102 and FREN 201</td>
</tr>
<tr>
<td>German Language</td>
<td>50-55</td>
<td>6</td>
<td>GERM 101, GERM 102 and GERM 201</td>
</tr>
<tr>
<td>Spanish Language</td>
<td>50-57</td>
<td>6</td>
<td>SPAN 101, SPAN 102 and SPAN 201</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>History and Social Sciences</th>
<th>Credit Range</th>
<th>Units</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Government</td>
<td>50+</td>
<td>3</td>
<td>PS 110 E-SB SB</td>
</tr>
<tr>
<td>History of the United States I</td>
<td>50+</td>
<td>3</td>
<td>HIST 240</td>
</tr>
<tr>
<td>History of the United States II</td>
<td>50+</td>
<td>3</td>
<td>HIST 241</td>
</tr>
<tr>
<td>Human Growth and Development</td>
<td>50+</td>
<td>3</td>
<td>PSY 220 or PSYS 220 E-SB SB</td>
</tr>
<tr>
<td>Introductory Educational Psychology</td>
<td>50+</td>
<td>3</td>
<td>Elective (lower level)</td>
</tr>
<tr>
<td>Course</td>
<td>Credit</td>
<td>Requirement</td>
<td>Department</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>--------</td>
<td>-------------</td>
<td>------------</td>
</tr>
<tr>
<td>Introductory Psychology</td>
<td>50+</td>
<td>3</td>
<td>PSY 100 or PSYS 100</td>
</tr>
<tr>
<td>Introductory Sociology</td>
<td>50+</td>
<td>3</td>
<td>SOCL 100</td>
</tr>
<tr>
<td>Social Sciences and History</td>
<td>50+</td>
<td>3</td>
<td>Social and Behavioral Science lower level elective</td>
</tr>
<tr>
<td>Western Civilization I (to 1648)</td>
<td>50+</td>
<td>3</td>
<td>HIST 101</td>
</tr>
<tr>
<td>Western Civilization II (1648-present)</td>
<td>50+</td>
<td>3</td>
<td>HIST 102</td>
</tr>
<tr>
<td>Biology</td>
<td>50+</td>
<td>3</td>
<td>BIOL 113</td>
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<tr>
<td>Calculus</td>
<td>50-54</td>
<td>4</td>
<td>MATH 136</td>
</tr>
<tr>
<td>Precalculus</td>
<td>50-59</td>
<td>3</td>
<td>MATH 116</td>
</tr>
<tr>
<td>Chemistry</td>
<td>50+</td>
<td>5</td>
<td>CHEM 120</td>
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<tr>
<td>College Algebra</td>
<td>50-51</td>
<td>3</td>
<td>MATH 116</td>
</tr>
<tr>
<td>College Mathematics</td>
<td>50+</td>
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<td>MATH 109</td>
</tr>
<tr>
<td>Natural Sciences</td>
<td>50+</td>
<td>3</td>
<td>ENV 280</td>
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<tr>
<td>Business</td>
<td>50+</td>
<td>3</td>
<td>PH 280</td>
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</table>
Principles of Management (https://clep.collegeboard.org/business/principles-of-management) 50+ 3 MGT 210

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

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).

<table>
<thead>
<tr>
<th>IB Subject</th>
<th>IB Level</th>
<th>Minimum Score</th>
<th>Credit Hours</th>
<th>WKU Equivalent Course</th>
</tr>
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<tbody>
<tr>
<td>Language and Literature</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Language A: Literature</td>
<td>SL</td>
<td>5</td>
<td>3</td>
<td>ENG 200</td>
</tr>
<tr>
<td></td>
<td>HL</td>
<td>5</td>
<td>3</td>
<td>ENG 200</td>
</tr>
<tr>
<td>Language A: Language and Literature</td>
<td>SL</td>
<td>5</td>
<td>3</td>
<td>ENG 100</td>
</tr>
<tr>
<td></td>
<td>HL</td>
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<td>3</td>
<td>ENG 100</td>
</tr>
<tr>
<td>Language Acquisition</td>
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<tr>
<td>(ab initio is for beginners)</td>
<td></td>
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<tr>
<td>Arabic</td>
<td>SL</td>
<td>4</td>
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<td>ARBC 101, ARBC 102 &amp; ARBC 201</td>
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<tr>
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<td>SL</td>
<td>5</td>
<td>12</td>
<td>ARBC 101, ARBC 102, ARBC 201 &amp; ARBC 202</td>
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<tr>
<td></td>
<td>HL</td>
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<td>HL</td>
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<td>15</td>
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<tr>
<td>Chinese</td>
<td>SL</td>
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<td>CHIN 101, CHIN 102 &amp; CHIN 201</td>
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<td>Language</td>
<td>Level</td>
<td>Grade Points</td>
<td>Courses</td>
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<tr>
<td>Chinese</td>
<td>SL</td>
<td>5</td>
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<td>CHIN 101, CHIN 102, CHIN 201, CHIN 202</td>
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<td>HL</td>
<td>4</td>
<td>12</td>
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<td>CHIN 101, CHIN 102, CHIN 201, CHIN 202</td>
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<td>HL 4 12 CHIN 101, CHIN 102, CHIN 201, CHIN 202</td>
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<td></td>
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<td>HL 5 15 CHIN 101, CHIN 102, CHIN 201, CHIN 202</td>
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<tr>
<td>French ab initio</td>
<td>SL</td>
<td>4+</td>
<td>6</td>
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</tr>
<tr>
<td></td>
<td></td>
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<td>FREN 101 and FREN 102</td>
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<tr>
<td>French</td>
<td>SL</td>
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<td>FREN 101, FREN 102 &amp; FREN 201</td>
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<td>SL 5 12 FREN 101, FREN 102, FREN 201 &amp; FREN 202</td>
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<td>HL</td>
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<td>12</td>
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<td>FREN 101, FREN 102, FREN 201 &amp; FREN 202</td>
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<td>HL 5 15 FREN 101, FREN 102, FREN 201, FREN 202 &amp; FREN 301</td>
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<td>GERM 101 and GERM 102</td>
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<td>SL</td>
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<td>9</td>
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<td>GERM 101, GERM 102 &amp; GERM 201</td>
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<td>RELS 150 and RELS 151</td>
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<td>Spanish ab initio</td>
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<td>SPAN 101, SPAN 102, SPAN 201 &amp; SPAN 202</td>
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<td>HL 5 15 SPAN 101, SPAN 102, SPAN 201, SPAN 202 &amp; SPAN 370</td>
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**Individuals and Societies**

<table>
<thead>
<tr>
<th>Field</th>
<th>Level</th>
<th>Grade Points</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Business Management</td>
<td>SL</td>
<td>5</td>
<td>3</td>
</tr>
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<td></td>
<td></td>
<td></td>
<td>MGT 210</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>MGT 210</td>
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<tr>
<td>Global Politics</td>
<td>SL</td>
<td>5+</td>
<td>3</td>
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<td></td>
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<td></td>
<td>PS 250</td>
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<tr>
<td>History</td>
<td>SL</td>
<td>4</td>
<td>3</td>
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<td></td>
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<td></td>
<td>Lower division elective in history major or lower division general elective</td>
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<td></td>
<td>HL</td>
<td>5+</td>
<td>3</td>
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<td></td>
<td></td>
<td></td>
<td>PS 260</td>
</tr>
<tr>
<td>Information Technology in a Global Society</td>
<td>SL</td>
<td>4 3</td>
<td>CIS 141</td>
</tr>
<tr>
<td></td>
<td>HL</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>CIS 141</td>
</tr>
<tr>
<td>Psychology</td>
<td>SL</td>
<td>4</td>
<td>3</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>PSY 100</td>
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<td></td>
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<td></td>
<td>PSY 100</td>
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<tr>
<td>Social and Cultural Anthropology</td>
<td>SL</td>
<td>4 3</td>
<td>ANTH 120</td>
</tr>
<tr>
<td></td>
<td>HL</td>
<td>4</td>
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<td></td>
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<td></td>
<td>ANTH 120</td>
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<tr>
<td>Sciences</td>
<td>SL</td>
<td>5+</td>
<td>3</td>
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<td></td>
<td></td>
<td></td>
<td>BIOL 113</td>
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<td>HL</td>
<td>5+</td>
<td>3</td>
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<td></td>
<td></td>
<td></td>
<td>BIOL 120</td>
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<tr>
<td>Chemistry</td>
<td>SL</td>
<td>5+</td>
<td>4</td>
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<td></td>
<td></td>
<td></td>
<td>CHEM 105 and CHEM 106</td>
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</tbody>
</table>
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 head.

After the assessment has been completed, the department head 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/.

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.

### Departmental Credit By Examination

<table>
<thead>
<tr>
<th>Subject</th>
<th>Level</th>
<th>Credits</th>
<th>Course(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Science</td>
<td>SL</td>
<td>4</td>
<td>Lower division elective</td>
</tr>
<tr>
<td>Environmental Systems and Societies</td>
<td>SL</td>
<td>4</td>
<td>ENV 280</td>
</tr>
<tr>
<td>Physics</td>
<td>SL</td>
<td>5</td>
<td>ASTR 108</td>
</tr>
<tr>
<td>Mathematics</td>
<td>HL</td>
<td>5</td>
<td>MATH 116</td>
</tr>
<tr>
<td>Mathematics</td>
<td>SL</td>
<td>5</td>
<td>MATH 136, MATH 137</td>
</tr>
<tr>
<td>Visual Arts</td>
<td>SL</td>
<td>4</td>
<td>ART 130</td>
</tr>
<tr>
<td></td>
<td>HL</td>
<td>5</td>
<td>ART 130, ART 140</td>
</tr>
</tbody>
</table>

For 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.

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 and 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 office.
The consensus recommendation of the reviewers must be approved by the department head(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.

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 head 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 head of the department in which the course is offered.

When a transcript from an accredited institution records credit granted for educational experiences; such as, credit by exam, advanced placement, prior learning credit, dual credit high school work, the credit will generally be accepted in transfer, except for developmental coursework, which WKU does not accept 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; for the complete policy see: http://cpe.ky.gov/policies/, for a list of WKU AP/CLEP equivalencies see: http://www.wku.edu/registrar/documents/form_creditbyexam.pdf.

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 must be 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, 2135 Downing Student Union, (270) 745-2178 or email Transfer@wku.edu. The full CPE General Education Transfer policy can be viewed: 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. 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 and in iCAP WKU's automated degree audit system. Students and academic advisors may view course articulation (or equivalency) on iCAP prior to the student's participation in the Topper Orientation Program. The iCAP report 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. In addition, there are statewide transfer plans on the KnowHow2Transfer site: http://www.knowhow2transfer.org/

**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 iem@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 on: 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 Coordinator of Transfer Articulation, Transfer Center, and will appear on TopNet and the iCAP reports. 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, email Transfer@wku.edu, or post the question(s) electronically: http://www.wku.edu/admissions/forms/inforequest.php.

**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 series of courses related to a specific topic or skill. It has the primary purpose of providing marketable, entry-level skills (CPE, 2011).
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, iCAP, 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.

A baccalaureate degree candidate with a double major will receive one degree; the degree will be associated with the student’s declared first major. Students may pursue concurrent (dual) degrees, as specified in the section entitled “Concurrent and Subsequent Degrees.”

A minor is a secondary course of study as defined by CPE (previous page). The minimum duration of a minor varies, but may not be less than 18 semester credit hours. Approved majors and minors are listed on the following pages. Any specific admission or course requirements may be found in the college or departmental section of this catalog. Undergraduate minors are only available to students pursuing a baccalaureate degree.

In addition to one of the above options, each student must complete a minimum of 39 semester hours of general education courses and electives to total the minimum of 120 unduplicated semester hours. For details refer to the section of this chapter on “Colonnade Requirements.” Since some programs are non-teacher certifiable, students seeking teacher certification should consult the Teacher Education Programs portion of this catalog for a list of certifiable programs and the required professional education courses.

#### 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 chart found under “Major Programs of Study” on the following pages.

#### Certificate Programs

Western Kentucky University offers a variety of short-term programs that lead to a certificate in a specialty area. Certificates typically comprise at least twelve semester credit hours. Exceptions to this minimum
may be granted only where a circumscribed body of expertise with the potential to materially affect employability may be covered in fewer than 12 semester credit hours.
UNIVERSITY LIBRARIES

WKU Libraries
Cravens Building, Office 101
Phone: 270-745-2904
Website: http://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
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 Communities
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 Department of Library Special Collections 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.

Visit the University Libraries (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

Dr. Lawrence Snyder, Dean
Email: Lawrence.Snyder@wku.edu

Dr. Merrall Price, Associate Dean
Email: Merrall.Price@wku.edu

Dr. Jeffrey Budziak, Assistant Dean
Email: Jeffrey.Budziak@wku.edu

Potter College of Arts & Letters takes as its primary area of scholarly concern the study of men and women – their past, present, and future, as well as their aesthetic expression, metaphysical concerns, and social interaction. Potter College prepares students to enter a wide range of careers as well as programs of advanced study. More than 200 faculty members provide instruction in some twenty disciplines. Each of the twelve departments offers both majors and minors, and in cooperation with the Graduate School, Potter College offers graduate degrees in most departments. In addition, the college plays an important role in the university's Colonnade program.

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  - Computer Animation, Minor (352) (p. 76)
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  - Studio Art, Minor (312) (p. 76)
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Sample Degree Paths:
http://www.wku.edu/degreepaths/19-20/pcaI.php

Department of Art

Kristina Arnold, Head
Email: Kristina.Arnold@wku.edu

Ivan Wilson Center for Fine Arts, Office 441
Phone: 270-745–3944; Fax: 270-745-5932
Website: http://www.wku.edu/art

Department of Art Mission Statement

To complement the mission of the University, the Department of Art dedicates its efforts toward the following mission: The WKU Department of Art 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 offers three undergraduate degree programs: the Bachelor of Fine Arts in Visual Arts with concentrations in Studio or Graphic 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 for Advertising majors, and Studio Art. 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 (270) 745-3944. Please visit the department’s website, 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, the department reserves the right to retain and publish selected examples of student work.

Degrees

- Art History, Bachelor of Arts (613) (p. 74)
- Visual Arts, Bachelor of Fine Arts (514P, 514) (p. 76)
- Visual Studies, Bachelor of Arts (509) (p. 78)

Minors

- Art History, Minor (316) (p. 75)
- Computer Animation, Minor (352) (p. 76)
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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
Brent T. Oglesbee MFA (Art), PA State University Main Campus, 1983
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
Marilee D. Salvador MFA (Art Studio), University of New Mexico Main Campus, 2004

Assistant Professor

David M. Marquez MFA (Art), University of Iowa, 2003
Natalie C. Tyree MFA (Graphic Design), Indiana State University, 2013

Professional-In-Residence

Kara E. Glenn BFA (Visual Arts, Graphic Design), Western Kentucky University, 2011

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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/
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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ART 105</td>
<td>History of Art to 1300</td>
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<td>ART 106</td>
<td>History of Art Since 1300</td>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ART 130</td>
<td>Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 131</td>
<td>Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 140</td>
<td>Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 405</td>
<td>Art Theory and Criticism</td>
<td>3</td>
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<tr>
<td>ART 494</td>
<td>Seminar in Art History</td>
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<tr>
<td>ART 390</td>
<td>Contemporary Art</td>
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<thead>
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<tr>
<td>ART 325</td>
<td>Art of Asia, Africa, and the Americas</td>
<td>3</td>
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<tr>
<td>or ART 407</td>
<td>Islamic Art and Architecture</td>
<td>3</td>
</tr>
<tr>
<td>ART 305</td>
<td>Ancient Greek and Roman Art</td>
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</tr>
<tr>
<td>or ART 316</td>
<td>Medieval Art &amp; Architecture</td>
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<th>Code</th>
<th>Title</th>
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<td>ART 314</td>
<td>Southern Baroque Art</td>
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<tr>
<td>ART 315</td>
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<tr>
<td>ART 401</td>
<td>Art of the Italian Renaissance</td>
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</tr>
<tr>
<td>ART 403</td>
<td>Northern Renaissance Art</td>
<td>3</td>
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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ART 312</td>
<td>Art of the United States to 1865</td>
<td>3</td>
</tr>
<tr>
<td>ART 408</td>
<td>European Art, 1700-1848</td>
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<tr>
<td>ART 409</td>
<td>European Art, 1848-1900</td>
<td>3</td>
</tr>
<tr>
<td>ART 313</td>
<td>Art of the United States Since 1865</td>
<td>3</td>
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<tr>
<td>or ART 410</td>
<td>European Art, 1900-1945</td>
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Select one of the following:

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<td>Introduction to Archaeology</td>
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<td>ANTH 432</td>
<td>Field Course in Archaeology</td>
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<td>ANTH 434</td>
<td>Graveyard Archaeology</td>
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<td>ANTH 448</td>
<td>Visual Anthropology</td>
<td>3</td>
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<tr>
<td>ANTH/FLK 470</td>
<td>Museum Procedures and Preservation Techniques</td>
<td>3</td>
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<tr>
<td>ART 334</td>
<td>Survey of Graphic Design</td>
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**Total Hours**: 36

### Finish in Four Plan

Sample Degree Path: http://wwu.edu/degreepaths/19-20/documents/pcal/ba_art_history_613.pdf

### Art History, Minor (316)

#### Program Requirements (21 hours)

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<th>Code</th>
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<tbody>
<tr>
<td>ART 105</td>
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<td>3</td>
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<td>ART 106</td>
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Select three of the following:

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<td>ART 305</td>
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<td>ART 312</td>
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<td>ART 334</td>
<td>Survey of Graphic Design</td>
<td>3</td>
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<tr>
<td>ART 390</td>
<td>Contemporary Art</td>
<td>3</td>
</tr>
<tr>
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<td>3</td>
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<td>3</td>
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<td>ART 410</td>
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<tr>
<td>ART 445</td>
<td>American Architectural History</td>
<td>3</td>
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<tr>
<td>ART 405</td>
<td>Art Theory and Criticism</td>
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<tr>
<td>ART 494</td>
<td>Seminar in Art History</td>
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**Total Hours**: 21
See course descriptions for further details.

Computer Animation, Minor (352)

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.

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<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>ART 130</td>
<td>Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 131</td>
<td>Three-Dimensional Design</td>
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</tr>
<tr>
<td>ART 140</td>
<td>Drawing</td>
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<tr>
<td>ART 243</td>
<td>Digital Media</td>
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<td>ART 244</td>
<td>Computer Animation I</td>
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<td>Computer Animation II</td>
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<td>ART 243</td>
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<td>Painting</td>
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<tr>
<td>ART 270</td>
<td>Sculpture Survey I</td>
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<tr>
<td>ART 280</td>
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<td>Electronic Illustration</td>
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<td>FILM 201</td>
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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)

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
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<td>ART 130</td>
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<tr>
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<td>Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 220</td>
<td>Ceramics</td>
<td>3</td>
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<tr>
<td>ART 231</td>
<td>Graphic Design</td>
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</tr>
<tr>
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<td>Drawing</td>
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<tr>
<td>ART 250</td>
<td>Printmaking</td>
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<td>ART 260</td>
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<td>Sculpture Survey I</td>
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See course descriptions for further details.

Graphic Design for Advertising Majors, Minor (385)

Program Coordinator
Natalie C. Tyree, natalie.tyree@wku.edu, (270) 745-3362

Program Requirements (24 hours)

<table>
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</tr>
<tr>
<td>ART 140</td>
<td>Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 105</td>
<td>History of Art to 1300</td>
<td>3</td>
</tr>
<tr>
<td>or ART 106</td>
<td>History of Art Since 1300</td>
<td>3</td>
</tr>
<tr>
<td>ART 231</td>
<td>Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 330</td>
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<tr>
<td>ART 331</td>
<td>Visual Thinking</td>
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<td>ART 334</td>
<td>Survey of Graphic Design</td>
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<td>ART 430</td>
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<td>ART 431</td>
<td>Illustration</td>
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<td>ART 433</td>
<td>Package Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 436</td>
<td>Electronic Illustration</td>
<td>3</td>
</tr>
<tr>
<td>ART 438</td>
<td>Advanced Computer Graphics</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>24</td>
</tr>
</tbody>
</table>

See course descriptions for further details.

Visual Arts, Bachelor of Fine Arts (514P, 514)

Program Coordinator
Kristina E. Arnold, kristina.arnold@wku.edu, (270) 745-6566

The Bachelor of Fine Arts degree is the initial professional degree sought for careers in the visual arts field. The department of art offers two 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. Both 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: ceramics, graphic design, printmaking, painting, sculpture, or weaving. A portfolio and seminar class 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 either concentration, the goal for the BFA student is to forge a professional art practice.

Program Requirements (73-79 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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/
The major requires 73-79 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 two concentrations, Studio and Graphic Design. Both concentrations require the following courses:

**Required Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 105</td>
<td>History of Art to 1300</td>
<td>3</td>
</tr>
<tr>
<td>ART 130</td>
<td>Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 140</td>
<td>Drawing</td>
<td>3</td>
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<tr>
<td>Total Hours</td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

1. Students may have no more than one “D” for a final grade.

Additionally, both concentrations require students to take two upper-level elective studio courses, ART 432 and ART 434. Each concentration has additional requirements listed below.

### Studio Concentration

**Basic Studio Courses**

Select four of the following: 12

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 220</td>
<td>Ceramics</td>
<td></td>
</tr>
<tr>
<td>ART 231</td>
<td>Graphic Design</td>
<td></td>
</tr>
<tr>
<td>ART 243</td>
<td>Digital Media</td>
<td></td>
</tr>
<tr>
<td>ART 250</td>
<td>Printmaking</td>
<td></td>
</tr>
<tr>
<td>ART 260</td>
<td>Painting</td>
<td></td>
</tr>
<tr>
<td>ART 270</td>
<td>Sculpture Survey I</td>
<td></td>
</tr>
<tr>
<td>ART 280</td>
<td>Weaving</td>
<td></td>
</tr>
</tbody>
</table>

Required Basic Drawing Courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 240</td>
<td>Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 340</td>
<td>Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 341</td>
<td>Drawing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Studio Concentration Focus**

Choose 2 upper-level elective studio courses 6

Choose 7 upper-level studio courses (may include up to two mediums) 21

**Upper-Level Art History Electives**

Select two of the following: 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 305</td>
<td>Ancient Greek and Roman Art</td>
<td></td>
</tr>
<tr>
<td>ART 312</td>
<td>Art of the United States to 1865</td>
<td></td>
</tr>
</tbody>
</table>

### Graphic Design Concentration

**Basic Studio Courses**

Select three of the following: 9

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 220</td>
<td>Ceramics</td>
<td></td>
</tr>
<tr>
<td>ART 250</td>
<td>Printmaking</td>
<td></td>
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<tr>
<td>ART 260</td>
<td>Painting</td>
<td></td>
</tr>
<tr>
<td>ART 270</td>
<td>Sculpture Survey I</td>
<td></td>
</tr>
<tr>
<td>ART 280</td>
<td>Weaving</td>
<td></td>
</tr>
</tbody>
</table>

Select 2 upper-level elective studio courses 6

Required drawing-focused courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 240</td>
<td>Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 340</td>
<td>Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 341</td>
<td>Drawing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Graphic Design Concentration Focus**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 231</td>
<td>Graphic Design</td>
<td>3</td>
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<tr>
<td>ART 243</td>
<td>Digital Media</td>
<td>3</td>
</tr>
<tr>
<td>ART 330</td>
<td>Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 331</td>
<td>Visual Thinking</td>
<td>3</td>
</tr>
<tr>
<td>ART 334</td>
<td>Survey of Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 343</td>
<td>Digital Media: Time-Based</td>
<td>3</td>
</tr>
<tr>
<td>ART 430</td>
<td>Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 432</td>
<td>Portfolio</td>
<td>3</td>
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<tr>
<td>ART 433</td>
<td>Package Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 436</td>
<td>Electronic Illustration</td>
<td>3</td>
</tr>
<tr>
<td>or AMS 308</td>
<td>Graphic Communication</td>
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Upper-Level Art History Electives

Select two of the following: 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 305</td>
<td>Ancient Greek and Roman Art</td>
</tr>
<tr>
<td>ART 312</td>
<td>Art of the United States to 1865</td>
</tr>
<tr>
<td>ART 313</td>
<td>Art of the United States Since 1865</td>
</tr>
<tr>
<td>ART 314</td>
<td>Southern Baroque Art</td>
</tr>
<tr>
<td>ART 315</td>
<td>Northern Baroque Art</td>
</tr>
<tr>
<td>ART 316</td>
<td>Medieval Art &amp; Architecture</td>
</tr>
<tr>
<td>ART 317</td>
<td>Art and Power</td>
</tr>
<tr>
<td>ART 318</td>
<td>Art and Landscape</td>
</tr>
<tr>
<td>ART 325</td>
<td>Art of Asia, Africa, and the Americas</td>
</tr>
<tr>
<td>ART 390</td>
<td>Contemporary Art</td>
</tr>
<tr>
<td>ART 401</td>
<td>Art of the Italian Renaissance</td>
</tr>
<tr>
<td>ART 403</td>
<td>Northern Renaissance Art</td>
</tr>
<tr>
<td>ART 405</td>
<td>Art Theory and Criticism</td>
</tr>
<tr>
<td>ART 407</td>
<td>Islamic Art and Architecture</td>
</tr>
<tr>
<td>ART 408</td>
<td>European Art, 1700-1848</td>
</tr>
<tr>
<td>ART 409</td>
<td>European Art, 1848-1900</td>
</tr>
<tr>
<td>ART 410</td>
<td>European Art, 1900-1945</td>
</tr>
<tr>
<td>ART 445</td>
<td>American Architectural History</td>
</tr>
<tr>
<td>ART 494</td>
<td>Seminar in Art History</td>
</tr>
<tr>
<td>PHIL 305</td>
<td>Aesthetics</td>
</tr>
</tbody>
</table>

Take the following Capstone Seminar:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 434</td>
<td>Capstone Seminar</td>
<td>1</td>
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</tbody>
</table>

Total Hours 64

**Finish in Four Plan**

**Studio:** [http://wku.edu/degreepaths/19-20/documents/pchal/bfa_visual_arts_studio_514.pdf](http://wku.edu/degreepaths/19-20/documents/pchal/bfa_visual_arts_studio_514.pdf)

**Graphic Design:** [http://wku.edu/degreepaths/19-20/documents/pchal/bfa_visual_arts_graphic_design_514.pdf](http://wku.edu/degreepaths/19-20/documents/pchal/bfa_visual_arts_graphic_design_514.pdf)

**Visual Studies, Bachelor of Arts (509)**

**Program Coordinator**
Kristina E. Arnold, kristina.arnold@wku.edu, (270) 745-6566

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.

**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](http://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 studio interest, yet engage in other liberal art experiences as well. Further studies in this concentration include basic studio requirements that include:

**Required Foundation Courses:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 105</td>
<td>History of Art to 1300</td>
<td>3</td>
</tr>
<tr>
<td>ART 106</td>
<td>History of Art Since 1300</td>
<td>3</td>
</tr>
<tr>
<td>ART 130</td>
<td>Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 131</td>
<td>Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 140</td>
<td>Drawing</td>
<td>3</td>
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</tbody>
</table>

Select three basic studio courses: 9

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 220</td>
<td>Ceramics</td>
<td></td>
</tr>
<tr>
<td>ART 231</td>
<td>Graphic Design</td>
<td></td>
</tr>
<tr>
<td>ART 240</td>
<td>Drawing</td>
<td></td>
</tr>
<tr>
<td>ART 243</td>
<td>Digital Media</td>
<td></td>
</tr>
<tr>
<td>ART 244</td>
<td>Computer Animation I</td>
<td></td>
</tr>
<tr>
<td>ART 250</td>
<td>Printmaking</td>
<td></td>
</tr>
<tr>
<td>ART 260</td>
<td>Painting</td>
<td></td>
</tr>
<tr>
<td>ART 270</td>
<td>Sculpture Survey I</td>
<td></td>
</tr>
<tr>
<td>ART 280</td>
<td>Weaving</td>
<td></td>
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</table>

Select six upper-level studio courses: 18

<table>
<thead>
<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>ART 321</td>
<td>Ceramics</td>
<td></td>
</tr>
<tr>
<td>ART 330</td>
<td>Graphic Design</td>
<td></td>
</tr>
<tr>
<td>ART 331</td>
<td>Visual Thinking</td>
<td></td>
</tr>
<tr>
<td>ART 340</td>
<td>Drawing</td>
<td></td>
</tr>
<tr>
<td>ART 341</td>
<td>Drawing</td>
<td></td>
</tr>
<tr>
<td>ART 343</td>
<td>Digital Media: Time-Based</td>
<td></td>
</tr>
<tr>
<td>ART 344</td>
<td>Computer Animation II</td>
<td></td>
</tr>
<tr>
<td>ART 350</td>
<td>Printmaking</td>
<td></td>
</tr>
<tr>
<td>ART 351</td>
<td>Printmaking</td>
<td></td>
</tr>
<tr>
<td>ART 430</td>
<td>Graphic Design</td>
<td></td>
</tr>
<tr>
<td>ART 431</td>
<td>Illustration</td>
<td></td>
</tr>
<tr>
<td>ART 433</td>
<td>Package Design</td>
<td></td>
</tr>
<tr>
<td>ART 436</td>
<td>Electronic Illustration</td>
<td></td>
</tr>
<tr>
<td>ART 438</td>
<td>Advanced Computer Graphics</td>
<td></td>
</tr>
<tr>
<td>ART 420</td>
<td>Ceramics</td>
<td></td>
</tr>
<tr>
<td>ART 421</td>
<td>Ceramics</td>
<td></td>
</tr>
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</table>

Western Kentucky University – 2019-20 Undergraduate Catalog
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 314</td>
<td>Southern Baroque Art</td>
<td></td>
</tr>
<tr>
<td>ART 315</td>
<td>Northern Baroque Art</td>
<td></td>
</tr>
<tr>
<td>ART 316</td>
<td>Medieval Art &amp; Architecture</td>
<td></td>
</tr>
<tr>
<td>ART 317</td>
<td>Art and Power</td>
<td></td>
</tr>
<tr>
<td>ART 318</td>
<td>Art and Landscape</td>
<td></td>
</tr>
<tr>
<td>ART 325</td>
<td>Art of Asia, Africa, and the Americas</td>
<td></td>
</tr>
<tr>
<td>ART 334</td>
<td>Survey of Graphic Design</td>
<td></td>
</tr>
<tr>
<td>ART 390</td>
<td>Contemporary Art</td>
<td></td>
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<tr>
<td>ART 401</td>
<td>Art of the Italian Renaissance</td>
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<tr>
<td>ART 403</td>
<td>Northern Renaissance Art</td>
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<tr>
<td>ART 405</td>
<td>Art Theory and Criticism</td>
<td></td>
</tr>
<tr>
<td>ART 407</td>
<td>Islamic Art and Architecture</td>
<td></td>
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<tr>
<td>ART 408</td>
<td>European Art, 1700-1848</td>
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<td>ART 410</td>
<td>European Art, 1900-1945</td>
<td></td>
</tr>
<tr>
<td>ART 445</td>
<td>American Architectural History</td>
<td></td>
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<tr>
<td>ART 494</td>
<td>Seminar in Art History</td>
<td></td>
</tr>
<tr>
<td>ART 434</td>
<td>Capstone Seminar</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>49</strong></td>
</tr>
</tbody>
</table>

**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.

**Required Foundation Courses:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 105</td>
<td>History of Art to 1300</td>
<td>3</td>
</tr>
<tr>
<td>ART 106</td>
<td>History of Art Since 1300</td>
<td>3</td>
</tr>
<tr>
<td>ART 130</td>
<td>Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 131</td>
<td>Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 140</td>
<td>Drawing</td>
<td>3</td>
</tr>
<tr>
<td><strong>Choose four of basic studio courses:</strong></td>
<td></td>
<td><strong>12</strong></td>
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<tr>
<td>ART 220</td>
<td>Ceramics</td>
<td></td>
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<td>ART 231</td>
<td>Graphic Design</td>
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<td>ART 240</td>
<td>Drawing</td>
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<td>ART 243</td>
<td>Digital Media</td>
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<td>Computer Animation I</td>
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<tr>
<td>ART 260</td>
<td>Painting</td>
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<tr>
<td>ART 270</td>
<td>Sculpture Survey I</td>
<td></td>
</tr>
<tr>
<td>ART 280</td>
<td>Weaving</td>
<td></td>
</tr>
<tr>
<td><strong>Choose five Upper Level Studio Electives:</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
<tr>
<td>ART 340</td>
<td>Drawing</td>
<td></td>
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<td>ART 341</td>
<td>Drawing</td>
<td></td>
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<tr>
<td>ART 344</td>
<td>Computer Animation II</td>
<td></td>
</tr>
<tr>
<td>ART 440</td>
<td>Drawing</td>
<td></td>
</tr>
<tr>
<td>ART 444</td>
<td>Computer Animation III</td>
<td></td>
</tr>
<tr>
<td>ART 321</td>
<td>Ceramics</td>
<td></td>
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<tr>
<td>ART 420</td>
<td>Ceramics</td>
<td></td>
</tr>
<tr>
<td>ART 421</td>
<td>Ceramics</td>
<td></td>
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</table>
### Visual Studies, Bachelor of Arts (509)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 422</td>
<td>Ceramics</td>
<td></td>
</tr>
<tr>
<td>ART 423</td>
<td>Pottery Wheel Techniques</td>
<td></td>
</tr>
<tr>
<td>ART 424</td>
<td>Ceramic Glaze Composition</td>
<td></td>
</tr>
<tr>
<td>ART 425</td>
<td>Ceramic Studio Equipment Design</td>
<td></td>
</tr>
<tr>
<td>ART 426</td>
<td>Special Firing Techniques</td>
<td></td>
</tr>
<tr>
<td>ART 330</td>
<td>Graphic Design</td>
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<td>ART 331</td>
<td>Visual Thinking</td>
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<td>Graphic Design</td>
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<td>ART 431</td>
<td>Illustration</td>
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<td>ART 433</td>
<td>Package Design</td>
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<tr>
<td>ART 436</td>
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<td>ART 438</td>
<td>Advanced Computer Graphics</td>
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<td>ART 453</td>
<td>Senior Techniques in Printmaking</td>
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<td>ART 457</td>
<td>Advanced Senior Techniques in Printmaking</td>
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<td>ART 360</td>
<td>Painting</td>
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</tr>
<tr>
<td>ART 452</td>
<td>Printmaking</td>
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</tr>
<tr>
<td>ART 460</td>
<td>Painting</td>
<td></td>
</tr>
<tr>
<td>ART 463</td>
<td>Senior Painting Studio I</td>
<td></td>
</tr>
<tr>
<td>ART 464</td>
<td>Senior Painting Studio II</td>
<td></td>
</tr>
<tr>
<td>ART 465</td>
<td>Advanced Senior Painting Studio I</td>
<td></td>
</tr>
<tr>
<td>ART 466</td>
<td>Advanced Senior Painting Studio II</td>
<td></td>
</tr>
<tr>
<td>ART 370</td>
<td>Sculpture Survey II</td>
<td></td>
</tr>
<tr>
<td>ART 371</td>
<td>Sculpture Methods, Welding I</td>
<td></td>
</tr>
<tr>
<td>ART 372</td>
<td>Sculpture, Figurative Studies</td>
<td></td>
</tr>
<tr>
<td>ART 373</td>
<td>Installation Art</td>
<td></td>
</tr>
<tr>
<td>ART 470</td>
<td>Sculpture</td>
<td></td>
</tr>
<tr>
<td>ART 471</td>
<td>Sculpture Methods, Foundry I</td>
<td></td>
</tr>
<tr>
<td>ART 472</td>
<td>Sculpture</td>
<td></td>
</tr>
<tr>
<td>ART 474</td>
<td>Sculpture Methods, Wood</td>
<td></td>
</tr>
<tr>
<td>ART 475</td>
<td>Sculpture Methods, Welding II</td>
<td></td>
</tr>
<tr>
<td>ART 476</td>
<td>Sculpture Methods, Foundry II</td>
<td></td>
</tr>
<tr>
<td>ART 380</td>
<td>Weaving</td>
<td></td>
</tr>
<tr>
<td>ART 381</td>
<td>Weaving</td>
<td></td>
</tr>
<tr>
<td>ART 382</td>
<td>Weaving</td>
<td></td>
</tr>
<tr>
<td>ART 383</td>
<td>Senior Fiber Techniques</td>
<td></td>
</tr>
<tr>
<td>ART 385</td>
<td>Senior Fiber Composition</td>
<td></td>
</tr>
<tr>
<td>ART 386</td>
<td>Advanced Senior Fiber Techniques</td>
<td></td>
</tr>
<tr>
<td>ART 387</td>
<td>Advanced Senior Fiber Composition</td>
<td></td>
</tr>
<tr>
<td>ART 490</td>
<td>Special Problems</td>
<td></td>
</tr>
<tr>
<td>ART 491</td>
<td>Special Studies</td>
<td></td>
</tr>
<tr>
<td>ART 399</td>
<td>Professional Work</td>
<td></td>
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<tr>
<td>ART 499</td>
<td>Career Experience in Art</td>
<td></td>
</tr>
</tbody>
</table>

### Select 2 Upper Level Art History Electives: 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 305</td>
<td>Ancient Greek and Roman Art</td>
</tr>
<tr>
<td>ART 312</td>
<td>Art of the United States to 1865</td>
</tr>
<tr>
<td>ART 313</td>
<td>Art of the United States Since 1865</td>
</tr>
<tr>
<td>ART 314</td>
<td>Southern Baroque Art</td>
</tr>
<tr>
<td>ART 315</td>
<td>Northern Baroque Art</td>
</tr>
<tr>
<td>ART 316</td>
<td>Medieval Art &amp; Architecture</td>
</tr>
<tr>
<td>ART 317</td>
<td>Art and Power</td>
</tr>
<tr>
<td>ART 318</td>
<td>Art and Landscape</td>
</tr>
<tr>
<td>ART 325</td>
<td>Art of Asia, Africa, and the Americas</td>
</tr>
<tr>
<td>ART 334</td>
<td>Survey of Graphic Design</td>
</tr>
<tr>
<td>ART 390</td>
<td>Contemporary Art</td>
</tr>
<tr>
<td>ART 401</td>
<td>Art of the Italian Renaissance</td>
</tr>
<tr>
<td>ART 403</td>
<td>Northern Renaissance Art</td>
</tr>
<tr>
<td>ART 405</td>
<td>Art Theory and Criticism</td>
</tr>
<tr>
<td>ART 407</td>
<td>Islamic Art and Architecture</td>
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<tr>
<td>ART 408</td>
<td>European Art, 1700-1848</td>
</tr>
<tr>
<td>ART 409</td>
<td>European Art, 1848-1900</td>
</tr>
<tr>
<td>ART 410</td>
<td>European Art, 1900-1945</td>
</tr>
<tr>
<td>ART 445</td>
<td>American Architectural History</td>
</tr>
<tr>
<td>ART 494</td>
<td>Seminar in Art History</td>
</tr>
<tr>
<td>PHIL 305</td>
<td>Aesthetics</td>
</tr>
</tbody>
</table>

### Required Art Education Pedagogy Courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ART 311</td>
<td>Foundations of Art Education and Methods I</td>
<td></td>
</tr>
<tr>
<td>ART 411</td>
<td>Foundations of Art Education and Methods II</td>
<td></td>
</tr>
<tr>
<td>ART 413</td>
<td>Foundations of Art Education and Methods III</td>
<td></td>
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</table>

### Required Capstone Courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 432</td>
<td>Portfolio</td>
<td></td>
</tr>
<tr>
<td>ART 496</td>
<td>Special Topics in Studio Art</td>
<td></td>
</tr>
</tbody>
</table>

| Total Hours | 63 |

### Professional Education Requirements

**Code**

**Title**

**Hours**

An additional 25 semester hours in Professional Education courses are required for state certification purposes.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 250</td>
<td>Discover Teaching: Introduction to Teacher Education</td>
<td></td>
</tr>
<tr>
<td>LTCY 421</td>
<td>Content Area Reading in the Middle and Secondary Grades</td>
<td></td>
</tr>
<tr>
<td>PSY 310</td>
<td>Educational Psychology: Development and Learning</td>
<td></td>
</tr>
<tr>
<td>SPED 330</td>
<td>Introduction to Exceptional Education: Diversity in Learning</td>
<td></td>
</tr>
<tr>
<td>EDU 489</td>
<td>Student Teaching Seminar</td>
<td></td>
</tr>
</tbody>
</table>

**Choose two courses at 5 hours each:** 10

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELED 490</td>
<td>Student Teaching</td>
<td></td>
</tr>
<tr>
<td>SEC 490</td>
<td>Student Teaching</td>
<td></td>
</tr>
</tbody>
</table>
MGE 490  Student Teaching

Total Hours  25

Finish in Four Plan


Department of Communication

Dr. Helen Sterk, Head
Email: helen.sterk@wku.edu
Ivan Wilson Center for Fine Arts, Office 130
Phone: (270) 745-3296; Fax: (270) 745-3295
Website: [http://www.wku.edu/communication](http://www.wku.edu/communication)

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 two minors (Communication Studies and Digital Advertising) and one certificate (User Experience). We feel that a broad-based liberal arts curriculum 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 International Association of Business Communicators, 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 sponsor field trips, lectures, professional workshops, and career days. Additionally, the department houses Imagewest, a student-run public relations and advertising agency that provides real-world experience to help students hone their creative skills, develop confidence and build portfolios of their work [http://www.wkuimagewest.com](http://www.wkuimagewest.com). The department also sponsors the Communication Ambassadors, a group of students selected from the major programs to represent the department at public events.

Degrees

- Advertising, Bachelor of Arts (727P, 727) (p. 81)
- Communication Studies, Bachelor of Arts (792P, 792) (p. 82)
- Corporate and Organizational Communication, Bachelor of Arts (522P, 522) (p. 84)
- Public Relations, Bachelor of Arts (763P, 763) (p. 85)

Minors

- Communication Studies, Minor (480) (p. 83)
- Digital Advertising, Minor (351) (p. 85)

Certificates

- User Experience, Certificate (1747) (p. 86)

Faculty

Professor

Cecile W. Garmon PhD (Educational Leadership), Vanderbilt University, 1984
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
Helen M. Sterk PhD (Communication Studies), University of Iowa, 1986

Associate Professor

Vicki S. Bagwell MA (Communication), Western Kentucky University, 1992
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
William M. Simpson MA (Art), Marshall University, 1982
Heather M. Strode MA (Communications), Western Kentucky University, 1998

Assistant Professor

Joseph M. Hoffswell PhD (Communication), University of Missouri-Columbia, 2017

Professional-In-Residence

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

Instructor I

Sean P. Ward MA (Communication), Western Kentucky University, 2010

Instructor II

Gayle N. Allison MA (Communication), Western Kentucky University, 1994
Bruce A. Crawley MA (Communications), University of Kentucky, 1977
Charlotte A. Elder MA (Communication), Western Kentucky University, 1998
Gary K. Hughes PhD (Communication), University of Kentucky, 2014
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

Advertising, Bachelor of Arts (727P, 727)

Program Coordinator

Kelley K. Coppinger, kelley.coppinger@wku.edu, (270) 745-2067

The Advertising major provides a number of opportunities for students to build an impressive resume and on-line portfolio. Class projects, competitions, and internships all lead to an extraordinary educational experience. The business of advertising or user experience (UX) is being transformed as consumers are choosing new technologies to access a variety of content where and when they choose. Conventional media revenue models are being challenged and new kinds of advertising professionals are needed. The major in Advertising prepares students for media, agency and corporate advertising careers.
Specific objectives of the Advertising major:

- To acquaint the student with important concepts, methods, and examples of successful advertising design and media strategies;
- To provide the student with training to make strategically sound analysis of advertising decisions;
- To provide the student with opportunities to apply knowledge and creativity to real-world advertising situations;
- To develop the student’s ability to present well-reasoned conclusions and recommendations in writing and oral presentations;
- To develop in students the foundation for continued self-education and personal development.

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.

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.

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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Required Courses</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 200</td>
<td>Communication Foundations</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>AD 210</td>
<td>Software Studio</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>AD 240</td>
<td>Advertising in a Digital World</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>AD 300</td>
<td>Research in Advertising and Public Relations</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>or COMM 300</td>
<td>Introduction to Communication Research Methods</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or PS 301</td>
<td>Research Methods in Political Behavior</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or SCOL 302</td>
<td>Social Research Methods</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>AD 310</td>
<td>Visual Concepts in Advertising</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>AD 330</td>
<td>Branding</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>UX 330</td>
<td>Interactive Design</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>AD 349</td>
<td>Advertising Media</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>AD 410</td>
<td>Portfolio</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Select six hours of restricted electives from the following courses: 1</td>
<td></td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>AD 489</td>
<td>AD Internship or Practicum</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Sample Degree Path: https://www.wku.edu/degreepaths/19-20/documents/pical/advertising_727.pdf

Communication Studies, Bachelor of Arts (792P, 792)

Program Coordinator
Jennifer Mize Smith, jennifer.mize.smith@wku.edu, (270) 745-3297

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.

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 that 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 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.
Program Requirements (36 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 200</td>
<td>Communication Foundations</td>
<td>3</td>
</tr>
<tr>
<td>COMM 345</td>
<td>Advanced Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>or COMM 346</td>
<td>Persuasion</td>
<td></td>
</tr>
<tr>
<td>COMM 348</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 362</td>
<td>Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 365</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one course from the Advanced Study in Communication category: 1

- 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

- 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 364 Crisis Communication
- COMM 374 Gender Communication
- COMM 388 Seminar in Political Communication
- COMM 364 Health Communication
- COMM 440 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

- AD 210 Software Studio
- COMM 212 Intro Digital Texts and Media
- or ENG 212 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 Introduction to Communication Research Methods
- or PS 300 Model Assembly (Seminar)
- or SOCL 302 Social Research Methods
- COMM 330 Leadership Communication
- COMM 345 Advanced Public Speaking
- COMM 346 Persuasion

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 other than the Capstone 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

Sample Degree Path: http://wku.edu/degereaths/19-20/documents/pocal/communication_studies_792.pdf

Communication Studies, Minor (480)

Program Coordinator
Jie-Young Kong, jieyoung.kong@wku.edu, (270) 745-6578

The minor in Communication Studies develops competencies in analyzing communication situations, constructing and presenting messages, and adapting to specific contexts.

Program Requirements (24 hours)

At least 12 hours must be taken in courses numbered 300 or above. All courses in the minor require a grade of "C" or higher.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 200</td>
<td>Communication Foundations</td>
<td>3</td>
</tr>
<tr>
<td>COMM 345</td>
<td>Advanced Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>COMM 348</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 362</td>
<td>Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 463</td>
<td>Advanced Intercultural Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following from the Organizational Communication category:

- COMM 330 Leadership Communication
- COMM 349 Small Group Communication
- COMM 462 Advanced Organizational Communication

Select one of the following from the Interpersonal Communication category:

- COMM 240 Effective Listening
- COMM 374 Gender Communication
- COMM 448 Advanced Interpersonal Communication
- COMM 450 Family Communication
Select one of the following from the Public Communication category:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 245</td>
<td>Argumentation and Debate</td>
</tr>
<tr>
<td>COMM 247</td>
<td>Voice and Diction</td>
</tr>
<tr>
<td>COMM 346</td>
<td>Persuasion</td>
</tr>
<tr>
<td>COMM 388</td>
<td>Seminar in Political Communication</td>
</tr>
</tbody>
</table>

Total Hours 24

1 Six elective hours must be at the 300 or 400 level. Also, students may opt to substitute COMM 300 in fulfillment of a communication elective.

Corporate and Organizational Communication, Bachelor of Arts (522P, 522)

Program Coordinator
Jennifer Mize Smith, jennifer.mize.smith@wku.edu, (270) 745-3297

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.

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.
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

Digital Advertising, Minor (351)
Program Coordinator
Kelley K. Coppinger, kelley.coppinger@wku.edu, (270) 745-2067

The minor in digital advertising is designed for students from a variety of majors. The primary goal of the curriculum is to help students develop a better understanding of advertising utilizing emerging digital communication technologies.

Program Requirements (24 hours)
The minor in digital advertising requires 24 semester hours of coursework.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SJB 101</td>
<td>Understanding Media Content, Ethics and Technology</td>
<td>3</td>
</tr>
<tr>
<td>SJB 102</td>
<td>Media Content, Collaboration and Community</td>
<td>3</td>
</tr>
<tr>
<td>SJB 210</td>
<td>Software Studio</td>
<td>3</td>
</tr>
<tr>
<td>AD 240</td>
<td>Advertising in a Digital World</td>
<td>3</td>
</tr>
<tr>
<td>AD 330</td>
<td>Branding</td>
<td>3</td>
</tr>
<tr>
<td>AD 349</td>
<td>Advertising Media</td>
<td>3</td>
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</tbody>
</table>

Electives
Select two of the following: 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PR 255</td>
<td>Fundamentals of Public Relations</td>
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</tr>
<tr>
<td>SJB 330</td>
<td>Interactive Design</td>
<td></td>
</tr>
<tr>
<td>SJB 340</td>
<td>Programming for Media Platforms</td>
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<tr>
<td>MKT 331</td>
<td>Social Media Marketing</td>
<td></td>
</tr>
<tr>
<td>MKT 328</td>
<td>Digital Marketing</td>
<td></td>
</tr>
<tr>
<td>UX 320</td>
<td>User Experience Design</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 24

Public Relations, Bachelor of Arts (763P, 763)
Program Coordinator
Vicki S. Bagwell, vicki.bagwell@wku.edu, (270) 745-5834

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 in 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.

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 2.3;
3. Completion of COMM 200 with a grade of "C" or better.

Program Requirements (36 hours)
The following Public Relations Core courses are required:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 200</td>
<td>Communication Foundations</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 202</td>
<td>Introduction to News Writing</td>
<td>3</td>
</tr>
<tr>
<td>PR 255</td>
<td>Fundamentals of Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>BCOM 265 or BCOM 325</td>
<td>Basic Broadcast News</td>
<td>3</td>
</tr>
<tr>
<td>or PS 301</td>
<td>Research Methods in Political Behavior</td>
<td></td>
</tr>
<tr>
<td>or SOCL 302</td>
<td>Social Research Methods</td>
<td></td>
</tr>
<tr>
<td>AD 300</td>
<td>Research in Advertising and Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>or COMM 300</td>
<td>Introduction to Communication Research Methods</td>
<td></td>
</tr>
<tr>
<td>or PS 301</td>
<td>Research Methods in Political Behavior</td>
<td></td>
</tr>
<tr>
<td>or SOCL 302</td>
<td>Social Research Methods</td>
<td></td>
</tr>
<tr>
<td>PR 350</td>
<td>Legal and Ethical Foundations of Strategic Communication</td>
<td>3</td>
</tr>
<tr>
<td>PR 354</td>
<td>International Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>PR 356</td>
<td>Digital Tactics in Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>PR 358</td>
<td>Public Relations Writing and Production</td>
<td>3</td>
</tr>
<tr>
<td>PR 454</td>
<td>Public Relations Strategy and Planning</td>
<td>3</td>
</tr>
<tr>
<td>PR 456</td>
<td>Public Relations Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one course from the restricted electives: 1

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POM 370</td>
<td>Public Relations Writing</td>
<td>3</td>
</tr>
</tbody>
</table>
### Department of English

**Dr. Robert Hale, Head**  
Email: Rob.Hale@wku.edu  
Cherry Hall, Office 135  
Phone: (270) 745-3043; Fax: (270) 745-2533  
Website: http://www.wku.edu/english

**Peggy Otto, English for Secondary Teachers Advisor**  
**Alison Langdon, Literature Advisor**  
**Jeff Rice, Creative Writing and Professional Writing Advisor**  
**Ted Hovet, Honors Advisor**  
**Alison Youngblood, TESL Advisor**  
**David LeNoir, Director of Composition**  
**David Bell, Director of Creative Writing**  
**Wes Berry, Director of Graduate Studies**

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 (TESL). 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 head 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 Ted Hovet, English Honors Advisor (ted.hovet@wku.edu).

---

### User Experience, Certificate (1747)

**Program Coordinator**  
William M. Simpson, mark.simpson@wku.edu, (270) 745-5838

**Program Requirements (15 hours)**

The Certificate in User Experience requires 15 hours and prepares students for changes now underway in the fields of advertising, communication, public relations, computer programming, graphic design, and other related majors relating to interactive platform design and function.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AD/SJB 210</td>
<td>Software Studio</td>
<td>3</td>
</tr>
<tr>
<td>UX 320</td>
<td>User Experience Design</td>
<td>3</td>
</tr>
<tr>
<td>UX 330</td>
<td>Interactive Design</td>
<td>3</td>
</tr>
<tr>
<td>UX 340</td>
<td>Programming for Media Platforms</td>
<td>3</td>
</tr>
<tr>
<td>UX 400</td>
<td>Advanced Interactive Design</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

---

1 With departmental approval, students may opt to substitute one of the following courses in fulfillment of an elective requirement: PR 400, PR 415, PR 495. A minor, certificate, or major is required.

---

### Finish in Four Plan


---

### User Experience, Certificate (1747)

**Program Coordinator**  
William M. Simpson, mark.simpson@wku.edu, (270) 745-5838

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<td>Software Studio</td>
<td>3</td>
</tr>
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<td>UX 320</td>
<td>User Experience Design</td>
<td>3</td>
</tr>
<tr>
<td>UX 330</td>
<td>Interactive Design</td>
<td>3</td>
</tr>
<tr>
<td>UX 340</td>
<td>Programming for Media Platforms</td>
<td>3</td>
</tr>
<tr>
<td>UX 400</td>
<td>Advanced Interactive Design</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

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### Finish in Four Plan


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William M. Simpson, mark.simpson@wku.edu, (270) 745-5838

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<th>Hours</th>
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<tr>
<td>AD/SJB 210</td>
<td>Software Studio</td>
<td>3</td>
</tr>
<tr>
<td>UX 320</td>
<td>User Experience Design</td>
<td>3</td>
</tr>
<tr>
<td>UX 330</td>
<td>Interactive Design</td>
<td>3</td>
</tr>
<tr>
<td>UX 340</td>
<td>Programming for Media Platforms</td>
<td>3</td>
</tr>
<tr>
<td>UX 400</td>
<td>Advanced Interactive Design</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

---

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---

### Finish in Four Plan

Degrees
- English for Secondary Teachers, Bachelor of Arts (561) (p. 88)
- English, Bachelor of Arts (662) (p. 89)

Minors
- Creative Writing, Minor (348) (p. 87)
- English, Minor (359) (p. 92)
- Gender & Women's Studies, Minor (378) (p. 92)
- Literature, Minor (406) (p. 93)
- Professional Writing, Minor (437) (p. 93)
- Teaching English as a Second Language (TESL), Minor (478) (p. 94)

Certification
- Endorsement to Teach English as a Second Language (ESL) (p. 88)

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
Theodore R. Hovet PhD (English), Duke University, 1995
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
Deborah A. Logan PhD (English), University of North Carolina Chapel Hill, 1997
Jane Olmsted PhD (English, Feminist Studies), University of Minnesota-Twin Cities, 1996
Alexander B. Poole PhD (English), Oklahoma State University Main Campus, 2003
Merrall Price PhD (English), University of Rochester, 1998
Elizabeth G. Winkler PhD (Linguistics), Indiana University-Bloomington, 1999

Associate Professor
Kristi R. Branham PhD (English), University of Kentucky, 2006
Timothy J. Brotherton MA, College of William and Mary, 1990
Angela L. Jones PhD (English), University of Kansas Main Campus, 2001
Megan K. Miller MA (English), Southern Illinois University Carbondale, 2002
Peggy D. Otto PhD (English Rhetoric & Composition), University of Louisville, 2009
Kelly L. Reames PhD (English), University of North Carolina Chapel Hill, 2002
Jeffrey A. Rice PhD (English), University of Florida, 2010
Lawrence D. Rigby PhD (English), University of Missouri-Columbia, 2000
Lee Spears PhD (English), University of Kentucky, 1980
Judith Szedahelyi PhD (English, English), University North Carolina Greensboro, 2002

Assistant Professor
Jessica L. Folk MFA (Screenwriting), Chapman University, 2014
Cheryl R. Hopson PhD (English), University of Kentucky, 2008
Patricia A. Jaggers MFA (Writing), Spalding University, 2008
Gillian B. Knoll PhD, University of Maryland College Park, 2012
Daniel J. Liddle PhD (Rhetoric), Purdue University Main Campus, 2018
James R. Thompson MFA (Creative Writing), University of Montana, 1998
Alison M. Youngblood PhD (Education, Teaching English to Speakers of Other Languages), University of Central Florida, 2014
Marla K. Zubel PhD (Comparative Literature), University of Minnesota-Twin Cities, 2017

Pedagogical Assistant Professor
Wren A. Mills PhD (Educational Leadership & Organizational Development), University of Louisville, 2010
Trini G. Stickler PhD (English), University of Wisconsin-Madison, 2015

Instructor I
Elisa L. Berry MA (English), Western Kentucky University, 2016
John E. Conley PhD (Comparative Studies in Discourse and Society), University of Minnesota-Twin Cities, 2008
Marie Guthrie PhD (English), University of Kentucky, 1993
Felicia A. Stinson MA (Creative Writing), Foreign College/University, 2011
Dawn M. Winters EdD, Western Kentucky University, 2015

Instructor II
Fabian Alvarez MA, California State University-Chico, 2006
Terence C. Elliott MA (English), Western Kentucky University, 2004
Debra Hays MA (English), Western Kentucky University, 1987
Marya L. Turley MA (English), Western Kentucky University, 2003

Creative Writing, Minor (348)
Program Requirements (21 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 203</td>
<td>Creative Writing (prerequisite to the upper-level creative writing courses)</td>
<td>3</td>
</tr>
</tbody>
</table>

Select four of the following creative writing courses: 12

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 303</td>
<td>Intermediate Fiction Writing</td>
</tr>
<tr>
<td>ENG 305</td>
<td>Intermediate Poetry Writing</td>
</tr>
<tr>
<td>ENG 311</td>
<td>Creative Nonfiction Writing</td>
</tr>
<tr>
<td>ENG 329</td>
<td>Special Topics in Creative Writing</td>
</tr>
<tr>
<td>ENG 358</td>
<td>Drama Writing</td>
</tr>
<tr>
<td>ENG 399</td>
<td>Topics in English (Creative writing topics only)</td>
</tr>
<tr>
<td>ENG 403</td>
<td>Writing Memoir and Autobiography</td>
</tr>
<tr>
<td>ENG 413</td>
<td>Creative Writing Capstone</td>
</tr>
<tr>
<td>ENG 467</td>
<td>Visiting Writer Summer Workshop</td>
</tr>
<tr>
<td>ENG 474</td>
<td>Advanced Poetry Writing</td>
</tr>
<tr>
<td>ENG 475</td>
<td>Advanced Fiction Workshop</td>
</tr>
</tbody>
</table>

Select two of the following 300- or 400-level literature courses: 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 333</td>
<td>Medieval Literature</td>
</tr>
<tr>
<td>ENG 339</td>
<td>Special Topics in Literature</td>
</tr>
<tr>
<td>ENG 340</td>
<td>Speculative Fiction</td>
</tr>
<tr>
<td>ENG 354</td>
<td>History of Drama to 1640</td>
</tr>
<tr>
<td>ENG 355</td>
<td>History of Drama Since 1640</td>
</tr>
</tbody>
</table>
Endorsement to Teach English as a Second Language (ESL)

Program Coordinator
Persons who have certification to teach in the elementary, middle, or secondary grades can add on to that certification an endorsement in teaching English as a Second Language by completing the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 104</td>
<td>Introduction to Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>ENG 204</td>
<td>English Language</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 21

Must take six hours of a foreign language or the language requirements of the Colonnade Program. 3

The student must also complete the ESL Praxis test with a minimum score of 157.

English for Secondary Teachers, Bachelor of Arts (561)

Program Coordinator
Peggy D. Otto, peggy.otto@wku.edu, (270) 745-5710

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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 104</td>
<td>Introduction to Linguistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Western Kentucky University – 2019-20 Undergraduate Catalog
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 204</td>
<td>English Language</td>
<td>3</td>
</tr>
<tr>
<td>ENG 299</td>
<td>Introduction to English Studies</td>
<td>3</td>
</tr>
<tr>
<td>ENG 301</td>
<td>Argument and Analysis in Written Discourse</td>
<td>3</td>
</tr>
<tr>
<td>ENG 385</td>
<td>Studies in World Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 391</td>
<td>Survey of American Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 410</td>
<td>Composition Theory and Practice in Writing Instruction</td>
<td>3</td>
</tr>
<tr>
<td>ENG 416</td>
<td>Literature/EST Capstone</td>
<td>3</td>
</tr>
<tr>
<td>COMM 145</td>
<td>Fundamentals of Public Speaking and Communication</td>
<td>3</td>
</tr>
<tr>
<td>THEA 151</td>
<td>Theatre Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>ENG 476</td>
<td>Critical Approaches to Literature in the Secondary Curriculum</td>
<td>3</td>
</tr>
</tbody>
</table>

**Literature Surveys**

Select two of the following:

- 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:

- 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:

- 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:

- 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:

- ENG 360 Gay and Lesbian Literature
- ENG 370 U.S. Ethnic Literature
- ENG 393 African American Literature
- ENG 497 Women’s Literature

**Total Hours**: 54

1. COMM 145 and THEA 151 also count as Colonnade courses.

**Total English with Secondary Certification**: 88 hours

**Professional Education Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 250</td>
<td>Discover Teaching: Introduction to Teacher Education</td>
<td>3</td>
</tr>
<tr>
<td>PSY 310</td>
<td>Educational Psychology: Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>SEC 350</td>
<td>Clinical Practices in Secondary Teaching I</td>
<td>8</td>
</tr>
<tr>
<td>SEC 450</td>
<td>Clinical Practices in Secondary Teaching II</td>
<td>1</td>
</tr>
<tr>
<td>SEC 475</td>
<td>Teaching Language Arts</td>
<td>3</td>
</tr>
<tr>
<td>LTCY 421</td>
<td>Content Area Reading in the Middle and Secondary Grades</td>
<td>3</td>
</tr>
<tr>
<td>SEC 490</td>
<td>Student Teaching</td>
<td>5-10</td>
</tr>
<tr>
<td>EDU 489</td>
<td>Student Teaching Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Hours**: 29-34

**Total English with Secondary Certification**: 88 hours

**Finish in Four Plan**


**English, Bachelor of Arts (662)**

**Program Coordinator**

Alison L. Langdon, alison.langdon@wku.edu, (270) 745-5708
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.

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.

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).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 299</td>
<td>Introduction to English Studies</td>
<td>3</td>
</tr>
<tr>
<td>ENG 385</td>
<td>Studies in World Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following pairings:

- ENG 381 & ENG 392 Survey of British Literature I and Survey of American Literature II 6
- ENG 382 & ENG 391 Survey of British Literature II and Survey of American Literature I 6

Language Course

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 204</td>
<td>English Language</td>
<td>3</td>
</tr>
</tbody>
</table>

Writing Courses

Select one of the following:

- ENG 203 Creative Writing 3
- ENG 306 Business Writing 3
- ENG 307 Technical Writing 3
- ENG 401 Advanced Composition 3
- ENG 410 Composition Theory and Practice in Writing Instruction 3

Select one of the following:

- ENG 212 Introduction to Digital Texts and Media 3
- ENG 301 Argument and Analysis in Written Discourse 3
- ENG 412 Theories of Rhetoric and Persuasive Writing 3

Capstone

Select one of the following, depending on the concentration:

- ENG 413 Creative Writing Capstone 3
- ENG 414 Professional Writing Capstone 3
- ENG 416 Literature/EST Capstone 3

Select one 300- or 400-level literature elective from the departmental offerings. 3

Total Hours 27

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 204</td>
<td>English Language</td>
<td>3</td>
</tr>
<tr>
<td>ENG 299</td>
<td>Introduction to English Studies</td>
<td>3</td>
</tr>
<tr>
<td>ENG 312</td>
<td>Reading as a Writer</td>
<td>3</td>
</tr>
<tr>
<td>ENG 385</td>
<td>Studies in World Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 413</td>
<td>Creative Writing Capstone (capstone, which should be taken in the final semester of coursework)</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

- ENG 203 Creative Writing 3
- ENG 306 Business Writing 3
- ENG 307 Technical Writing 3
- ENG 401 Advanced Composition 3
- ENG 410 Composition Theory and Practice in Writing Instruction 3
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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 204</td>
<td>English Language</td>
<td>3</td>
</tr>
<tr>
<td>ENG 299</td>
<td>Introduction to English Studies</td>
<td>3</td>
</tr>
<tr>
<td>ENG 381</td>
<td>Survey of British Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 382</td>
<td>Survey of British Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENG 385</td>
<td>Studies in World Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 391</td>
<td>Survey of American Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 392</td>
<td>Survey of American Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENG 416</td>
<td>Literature/EST Capstone (senior capstone, which should be taken in the last semester of coursework)</td>
<td>3</td>
</tr>
</tbody>
</table>

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

| 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 403 | Writing Memoir and Autobiography               |       |
| ENG 411 | Directed Writing                               |       |
| 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: 42

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.

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).
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 204</td>
<td>English Language</td>
<td>3</td>
</tr>
<tr>
<td>ENG 299</td>
<td>Introduction to English Studies</td>
<td>3</td>
</tr>
<tr>
<td>ENG 385</td>
<td>Studies in World Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 414</td>
<td>Professional Writing Capstone (capstone, which should be taken the final semester of coursework)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Select one of the following pairs:</strong></td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>ENG 381 &amp; ENG 392</td>
<td>Survey of British Literature I and Survey of American Literature II</td>
<td></td>
</tr>
<tr>
<td>ENG 382 &amp; ENG 391</td>
<td>Survey of British Literature II and Survey of American Literature I</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Select one of the following:</strong></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENG 203</td>
<td>Creative Writing</td>
<td></td>
</tr>
<tr>
<td>ENG 306</td>
<td>Business Writing 1</td>
<td></td>
</tr>
<tr>
<td>ENG 307</td>
<td>Technical Writing 1</td>
<td></td>
</tr>
<tr>
<td>ENG 401</td>
<td>Advanced Composition</td>
<td></td>
</tr>
<tr>
<td>ENG 410</td>
<td>Composition Theory and Practice in Writing Instruction</td>
<td></td>
</tr>
<tr>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>Select one of the following:</strong></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENG 212</td>
<td>Introduction to Digital Texts and Media</td>
<td></td>
</tr>
<tr>
<td>ENG 301</td>
<td>Argument and Analysis in Written Discourse</td>
<td></td>
</tr>
<tr>
<td>ENG 412</td>
<td>Theories of Rhetoric and Persuasive Writing</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Select five of the following, but no more than two from outside of the English Department:</strong></td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>ENG 212</td>
<td>Introduction to Digital Texts and Media</td>
<td></td>
</tr>
<tr>
<td>ENG 301</td>
<td>Argument and Analysis in Written Discourse</td>
<td></td>
</tr>
<tr>
<td>ENG 306</td>
<td>Business Writing</td>
<td></td>
</tr>
<tr>
<td>ENG 307</td>
<td>Technical Writing</td>
<td></td>
</tr>
<tr>
<td>ENG 349</td>
<td>Special Topics in Professional Writing</td>
<td></td>
</tr>
<tr>
<td>ENG 369</td>
<td>Internship I</td>
<td></td>
</tr>
<tr>
<td>ENG 401</td>
<td>Advanced Composition</td>
<td></td>
</tr>
<tr>
<td>ENG 402</td>
<td>Editing and Publishing</td>
<td></td>
</tr>
<tr>
<td>ENG 412</td>
<td>Theories of Rhetoric and Persuasive Writing</td>
<td></td>
</tr>
<tr>
<td>ENG 415</td>
<td>Writing and Technology</td>
<td></td>
</tr>
<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
<td></td>
</tr>
<tr>
<td>MKT 331</td>
<td>Social Media Marketing</td>
<td></td>
</tr>
<tr>
<td>PR 354</td>
<td>International Public Relations</td>
<td></td>
</tr>
<tr>
<td>PJ 131</td>
<td>Introduction to Digital Photography</td>
<td></td>
</tr>
<tr>
<td>BCOM 264</td>
<td>Digital Video Production and Distribution</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>300- or 400-level Literature Elective from department offerings</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td><strong>42</strong></td>
<td></td>
</tr>
</tbody>
</table>
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 a 6-hour core composed of Introduction to Gender and Women's Studies (GWS 200) and Western Feminist Thought (GWS 400) and fifteen hours of electives in the humanities, the sciences, or social sciences.

Core Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GWS 200</td>
<td>Introduction to Gender And Women's Studies</td>
<td>3</td>
</tr>
<tr>
<td>GWS 400</td>
<td>Western Feminist Thought</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td><strong>6</strong></td>
</tr>
</tbody>
</table>

Science/Social Science Concentration (Take 9 hours from the following courses. No more than 6 hours from one department.)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIM 446</td>
<td>Gender, Crime, and Justice</td>
<td>3</td>
</tr>
<tr>
<td>FACS 495</td>
<td>Family and Relationship Violence</td>
<td>3</td>
</tr>
<tr>
<td>GWS 375</td>
<td>American Masculinities</td>
<td>3</td>
</tr>
<tr>
<td>GWS 421</td>
<td>Gender, Women and Science</td>
<td>3</td>
</tr>
<tr>
<td>PS 373</td>
<td>Minority Politics</td>
<td>3</td>
</tr>
<tr>
<td>PS 374</td>
<td>Women and Politics</td>
<td>3</td>
</tr>
<tr>
<td>PH 365</td>
<td>Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>PH 464</td>
<td>Women's Health</td>
<td>3</td>
</tr>
<tr>
<td>PSY 355</td>
<td>Issues in Cross-Cultural Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYS 482</td>
<td>Psychology of Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>PSYS 453</td>
<td>Psychology of Women</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 355</td>
<td>Sociology of Gender</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 359</td>
<td>Sexuality and Society</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 362</td>
<td>Social Institutions: Race, Class, and Gender</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 435</td>
<td>Family Violence</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 466</td>
<td>Gender, Family, and Society</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td><strong>9</strong></td>
</tr>
</tbody>
</table>

Humanities Concentration (Take 9 hours from the following humanities courses. No more than 6 hours can come from one department.)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 343</td>
<td>Anthropology of Gender</td>
<td>3</td>
</tr>
<tr>
<td>DANC 360</td>
<td>Dance in Culture: Moving History</td>
<td>3</td>
</tr>
<tr>
<td>ENG 360</td>
<td>Gay and Lesbian Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 387</td>
<td>Studies in Autobiography</td>
<td>3</td>
</tr>
<tr>
<td>ENG 497</td>
<td>Women's Literature</td>
<td>3</td>
</tr>
<tr>
<td>FLK 280</td>
<td>Cultural Diversity in the U S</td>
<td>3</td>
</tr>
<tr>
<td>FLK 371</td>
<td>Urban Folklore</td>
<td>3</td>
</tr>
<tr>
<td>FLK 480</td>
<td>Women's Folklife</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td><strong>9</strong></td>
</tr>
</tbody>
</table>

No more than six hours of electives may be taken in any one department. 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) 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 Requirements (21 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Select 12 hours of upper-level literature electives</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Select one of the following literature survey pairings:</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>&amp; EN 381 Survey of British Literature I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>&amp; EN 392 Survey of American Literature II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>&amp; EN 382 Survey of British Literature II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>&amp; EN 391 Survey of American Literature I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select three hours of upper-level English electives</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td><strong>21</strong></td>
</tr>
</tbody>
</table>

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 Requirements (21 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 306</td>
<td>Business Writing</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 307</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td><strong>21</strong></td>
</tr>
</tbody>
</table>

Select one of the following:

- ENG 401 Advanced Composition
- ENG 402 Editing and Publishing
- ENG 412 Theories of Rhetoric and Persuasive Writing
- ENG 414 Professional Writing Capstone
- ENG 212 Introduction to Digital Texts and Media
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.

In response to the growing importance of cross-cultural studies, 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-disciplinary 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 as well as 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, 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 Head.

### Degree

- Anthropology, Bachelor of Arts (608) (p. 95)

### Minors

- Anthropology, Minor (311) (p. 96)
- Folklore, Minor (362) (p. 96)
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
Jean-Luc Houle PhD (Anthropology, Archeology), University of Pitts Pittsburgh Camp, 2010
Kathryn A. Hudepohl PhD (Anthropology), Tulane University, 2002

Assistant Professor
Tim W. Frandy PhD (Scandinavian Studies, Folklore), University of Wisconsin-Madison, 2013
Kate G. Horigan PhD (English, Interdisciplinary Specialization in Folklore), The Ohio State University Main Campus, 2013
Angie A. Stinnett PhD, University of Arizona, 2014

Clinical Assistant Professor
Brent A. Bjorkman MA (Folk Studies), Western Kentucky University, 1998

Anthropology, Bachelor of Arts (608)

Program Coordinator
Darlene A. Applegate, darlene.applegate@wku.edu, (270) 745-5898

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.

Program Requirements (30 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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/colonnade/colonnaderequirements.php.

At least half of the total semesters 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 compete the five-course (15 hour) core curriculum consisting of ANTH 120, ANTH 125, ANTH 130, ANTH 135, and ANTH 399. Each student competes at least one, three-course (9 hour) concentration in Archaeology, Biological Anthropology, Cultural Anthropology or Cultural Resource Management, 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 have to complete electives. Students must earn a grade of “C” or better in all core courses of the anthropology major. Students must complete a second major or minor.

Program Requirements (30 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 120</td>
<td>Introduction to Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 125</td>
<td>Introduction to Biological Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 130</td>
<td>Introduction to Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 135</td>
<td>Introduction to Linguistic Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 399</td>
<td>Field Methods in Ethnography</td>
<td>3</td>
</tr>
</tbody>
</table>

Archaeology Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 335</td>
<td>Old World Prehistory</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 336</td>
<td>New World Prehistory</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 432</td>
<td>Field Course in Archaeology (at least three hours)</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 438</td>
<td>Archaeological Lab Methods</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

For students completing one concentration, select 6 hours from anthropology offerings in consultation with advisor

Total Hours: 15

Biological Anthropology Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 300</td>
<td>Forensic Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 305</td>
<td>Paleanthropology: Human Origins and Evolution</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 450</td>
<td>Modern Human Biological Variation</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

For students completing one concentration, select 6 hours from anthropology offerings in consultation with advisor

Total Hours: 15

Cultural Anthropology Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 340</td>
<td>Peoples and Cultures of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 342</td>
<td>Peoples and Cultures of the Caribbean</td>
<td></td>
</tr>
<tr>
<td>ANTH 345</td>
<td>Peoples and Cultures of Native North America</td>
<td></td>
</tr>
<tr>
<td>ANTH 350</td>
<td>Peoples and Cultures of Africa</td>
<td></td>
</tr>
<tr>
<td>ANTH 378</td>
<td>Southern Appalachian Folklife</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following:

Total Hours: 3
ANTH 343  Anthropology of Gender
ANTH 382  Medical Anthropology
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 advisor

Total Hours 15

Cultural Resource Management Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 436</td>
<td>Applied Archaeology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select two of the following:</td>
<td>6</td>
</tr>
<tr>
<td>ANTH 434</td>
<td>Graveyard Archaeology</td>
<td></td>
</tr>
<tr>
<td>ANTH 470</td>
<td>Museum Procedures and Preservation Techniques</td>
<td></td>
</tr>
<tr>
<td>ANTH 493</td>
<td>Archaeology Stewardship</td>
<td></td>
</tr>
<tr>
<td>FLK 434</td>
<td>Historic Preservation</td>
<td></td>
</tr>
<tr>
<td>FLK 445</td>
<td>American Architectural History</td>
<td></td>
</tr>
<tr>
<td>FLK 464</td>
<td>Vernacular Architecture</td>
<td></td>
</tr>
</tbody>
</table>

Electives
For students completing one concentration, select 6 hours from anthropology offerings in consultation with advisor

Total Hours 15

Finish in Four Plans

Archaeology: https://www.wku.edu/degreepaths/19-20/documents/pcal/anthropology_archaeology_conc_608.pdf

Biological Anthropology: http://wku.edu/degreepaths/19-20/documents/pcal/anthropology_biological_conc_608.pdf


Anthropology, Minor (311)

Program Requirements (21 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 120</td>
<td>Introduction to Cultural Anthropology</td>
<td>9</td>
</tr>
<tr>
<td>ANTH 130</td>
<td>Introduction to Archaeology</td>
<td></td>
</tr>
<tr>
<td>ANTH 135</td>
<td>Introduction to Linguistic Anthropology</td>
<td></td>
</tr>
<tr>
<td>ANTH 399</td>
<td>Field Methods in Ethnography</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select 9 hours of electives from anthropology offerings in consultation with advisor</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Total Hours 21</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• At least 12 hours must be in upper-division (300, 400) courses.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Students must earn a grade of “C” or better in all core (non-elective) courses of the anthropology minor.</td>
<td></td>
</tr>
</tbody>
</table>

Folklore, Minor (362)

Program Requirements (21 hours)

The minor in folklore requires a minimum of 21 semester hours.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLK 276</td>
<td>Introduction to Folk Studies</td>
<td>3</td>
</tr>
<tr>
<td>FLK 399</td>
<td>Field Methods in Ethnography</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Restricted Electives</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Total Hours 21</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Restricted electives selected in consultation with the program advisor.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Restricted electives must include at least one 400-level course (excluding FLK 479 and FLK 489).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Students must earn a grade of “C” or better in all courses applied to the folklore minor.</td>
<td></td>
</tr>
</tbody>
</table>

Department of History

Dr. Eric Reed, Head
Email: Eric.Reed@wku.edu
Cherry Hall, Office 200
Phone: (270) 745-3841; Fax: (270) 745-2950
Website: http://www.wku.edu/history

History is the record of the collective experience of humanity. It provides perspective and knowledge which helps us understand the present and it provides hope that we may avoid past mistakes. As the broadest of all academic disciplines, history appeals to the curious mind which is not content only with understanding the present. History equips students with the skills to collect, analyze, and use data and the ability to apply those skills to construct arguments and use evidence to support them. Because of its breadth, the study of history prepares students for numerous occupations and professions. Many of our majors pursue careers in education from the elementary through college level. There are, however, a variety of other areas open to the student of history: local, state, and federal government, the Foreign Service, law, professional library work, the national park service, banking, journalism, politics, and a host of others. In addition, many businesses seek candidates with a strong background in the liberal arts because of their critical thinking, analytic, and writing abilities all areas in which history students excel.

The Department of History offers a variety of courses to students in any major, as well as courses meeting Colonnade requirements for all students. Students who complete a co-major in social studies and who
complete the professional education requirements may be certified in the teacher education program.

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 chapter subsections entitled “Academic Requirements and Regulations,” “Academic Programs,” and “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 Head.

**Departmental Honors Program**

The Department of History offers an honors program for superior students that provides opportunities for a challenging and intensive investigation of historical topics in informal, small-group settings. Students with grade point averages of 3.4 or above are eligible to enroll in history honors courses. Those who fulfill designated requirements may earn a transcript notation indicating that they have graduated with honors in history. Full details of the program may be obtained by contacting Professor Patricia Minter, Office 206 in Cherry Hall.

**Degrees**

- History, Bachelor of Arts (695) (p. 98)
- Social Studies, Bachelor of Arts (592) (p. 102)

**Minors**

- African American Studies, Minor (305) (p. 98)
- History, Minor (392) (p. 102)

**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](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-law 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.

**Faculty**

**Professor**

- Anthony A. Harkins PhD (History), University of Wisconsin-Madison, 1999
- Glenn W. LaFantasie PhD (History), Brown University, 2005
- Patricia H. Minter PhD (History), University of Virginia, 1994
- Eric S. Reed PhD (History), Syracuse University Main Campus, 2001

**Associate Professor**

- 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
- Eric Kondratieff PhD (Ancient History), University of Pennsylvania, 2003
- Alexander I. Olson PhD (American Studies), University of Michigan-Ann Arbor, 2013
- Juan L. Romero PhD (History), University of Texas at Austin, 2008
- 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
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 Dr. Saundra Curry Ardrey, (270) 745-4558.

**Program Requirements (21 hours)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFAM 190</td>
<td>African American Experience</td>
<td>3</td>
</tr>
<tr>
<td>AFAM 343</td>
<td>Communities of Struggle</td>
<td>3</td>
</tr>
<tr>
<td>AFAM 353</td>
<td>Radical Blackness</td>
<td>3</td>
</tr>
</tbody>
</table>

Restricted Electives from the following categories:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 330</td>
<td>History of Africa Before 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 359</td>
<td>Blacks in American History Since 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 390</td>
<td>Blacks in the American South</td>
<td>3</td>
</tr>
</tbody>
</table>

Cultural Studies:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 393</td>
<td>African American Literature</td>
<td>3</td>
</tr>
<tr>
<td>COMM 463</td>
<td>Advanced Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>FLK 330</td>
<td>Cultural Connections and Diversity</td>
<td>3</td>
</tr>
<tr>
<td>RELS 309</td>
<td>Global Christianity</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives 1 6

1 Additional courses may be approved by the advisor.

**History, Bachelor of Arts (695)**

**Program Coordinator**

Jennifer A. Hanley, jennifer.walton-hanley@wku.edu, (270) 745-4723

The History major program (33 hours) educates WKU’s undergraduate students, both majors and non-majors, about the value of history and a liberal arts education.

History students master an intellectual skillset and develop a broad knowledge of American and world history from pre-modern times to the present. The skillset includes critical thinking, research and data analysis/synthesis, creative problem solving, and written and oral argument and communication. History is interdisciplinary by design: students must complete a second major or minor, and the program accepts up to 6 credit hours from related disciplines.

Mastering the History skillset prepares students for lifelong learning and success in a wide array of professions, including teaching, business, government, and law.

**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.

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 history (reference number 695) requires a minimum of 33 semester hours and leads to a Bachelor of Arts degree. A minor or second major is required.
### Core Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 101</td>
<td>World History I</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 102</td>
<td>World History II</td>
<td>3</td>
</tr>
<tr>
<td>HIST 240</td>
<td>The United States to 1865</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 241</td>
<td>The United States Since 1865</td>
<td>3</td>
</tr>
<tr>
<td>HIST 498</td>
<td>Senior Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

Of the remaining 24 hours, a minimum of 18 hours in upper-division history courses is required.

Select two upper-division courses from each of the following geographic and chronological areas:

#### Geographic: Afro-Eurasia and The Americas:

Courses meeting the Afro-Eurasia Category are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 299</td>
<td>Introduction to Military History</td>
<td></td>
</tr>
<tr>
<td>HIST 305</td>
<td>Ancient Greece</td>
<td></td>
</tr>
<tr>
<td>HIST 306</td>
<td>Ancient Rome</td>
<td></td>
</tr>
<tr>
<td>HIST 308</td>
<td>Conflict, Culture and Commerce in the Medieval Mediterranean</td>
<td></td>
</tr>
<tr>
<td>HIST 311</td>
<td>Comparative Slavery</td>
<td></td>
</tr>
<tr>
<td>HIST 317</td>
<td>Renaissance Europe</td>
<td></td>
</tr>
<tr>
<td>HIST 318</td>
<td>Age of the Reformation</td>
<td></td>
</tr>
<tr>
<td>HIST 320</td>
<td>American Studies I</td>
<td></td>
</tr>
<tr>
<td>HIST 323</td>
<td>The British Isles to 1688</td>
<td></td>
</tr>
<tr>
<td>HIST 324</td>
<td>Modern Britain Since 1688</td>
<td></td>
</tr>
<tr>
<td>HIST 330</td>
<td>History of Africa Before 1500</td>
<td></td>
</tr>
<tr>
<td>HIST 331</td>
<td>History of Africa Since 1500</td>
<td></td>
</tr>
<tr>
<td>HIST 333</td>
<td>History of Genocide</td>
<td></td>
</tr>
<tr>
<td>HIST 334</td>
<td>Nineteenth Century Europe</td>
<td></td>
</tr>
<tr>
<td>HIST 335</td>
<td>Twentieth Century Europe</td>
<td></td>
</tr>
<tr>
<td>HIST 338</td>
<td>Russia to 1900</td>
<td></td>
</tr>
<tr>
<td>HIST 340</td>
<td>History of Popular Culture Since 1500</td>
<td></td>
</tr>
<tr>
<td>HIST 341</td>
<td>History of Africa</td>
<td></td>
</tr>
<tr>
<td>HIST 342</td>
<td>Modern South Asia: from Empires to Nations</td>
<td></td>
</tr>
<tr>
<td>HIST 379</td>
<td>Gandhi: The Creation of a Global Legacy</td>
<td></td>
</tr>
<tr>
<td>HIST 380</td>
<td>Human Rights in History</td>
<td></td>
</tr>
<tr>
<td>HIST 391</td>
<td>History of Sport</td>
<td></td>
</tr>
<tr>
<td>HIST 402</td>
<td>Pirates in World History</td>
<td></td>
</tr>
<tr>
<td>HIST 404</td>
<td>History of Ancient Egypt</td>
<td></td>
</tr>
<tr>
<td>HIST 407</td>
<td>The Crusades: West Meets East</td>
<td></td>
</tr>
<tr>
<td>HIST 419</td>
<td>Tudor-Stuart England</td>
<td></td>
</tr>
<tr>
<td>HIST 420</td>
<td>History of Sexuality</td>
<td></td>
</tr>
<tr>
<td>HIST 422</td>
<td>The French Revolution and Napoleon</td>
<td></td>
</tr>
<tr>
<td>HIST 425</td>
<td>Modern Germany</td>
<td></td>
</tr>
<tr>
<td>HIST 426</td>
<td>Hitler and Nazi Germany</td>
<td></td>
</tr>
<tr>
<td>HIST 428</td>
<td>England Since 1914</td>
<td></td>
</tr>
<tr>
<td>HIST 438</td>
<td>Twentieth Century Russia</td>
<td></td>
</tr>
<tr>
<td>HIST 439</td>
<td>Rise and Decline of Communism</td>
<td></td>
</tr>
<tr>
<td>HIST 449</td>
<td>Korea and Vietnam</td>
<td></td>
</tr>
<tr>
<td>HIST 460</td>
<td>Traditional East Asia</td>
<td></td>
</tr>
</tbody>
</table>

Courses meeting The Americas Category are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 200</td>
<td>Latin American Society: Past and Present</td>
<td></td>
</tr>
<tr>
<td>HIST 310</td>
<td>Comparative Slavery</td>
<td></td>
</tr>
<tr>
<td>HIST 320</td>
<td>American Studies I</td>
<td></td>
</tr>
<tr>
<td>HIST 321</td>
<td>American Studies II</td>
<td></td>
</tr>
<tr>
<td>HIST 325</td>
<td>Blacks in the Civil War and Reconstruction</td>
<td></td>
</tr>
<tr>
<td>HIST 333</td>
<td>History of Genocide</td>
<td></td>
</tr>
<tr>
<td>HIST 341</td>
<td>A Cultural History of Alcohol</td>
<td></td>
</tr>
<tr>
<td>HIST 347</td>
<td>Social History of the United States Since 1800</td>
<td></td>
</tr>
<tr>
<td>HIST 348</td>
<td>United States, 1900-1945</td>
<td></td>
</tr>
<tr>
<td>HIST 349</td>
<td>The United States Since 1945</td>
<td></td>
</tr>
<tr>
<td>HIST 352</td>
<td>American Borderlands and the West</td>
<td></td>
</tr>
<tr>
<td>HIST 353</td>
<td>Indian Peoples of North America</td>
<td></td>
</tr>
<tr>
<td>HIST 358</td>
<td>Blacks in American History to 1877</td>
<td></td>
</tr>
<tr>
<td>HIST 359</td>
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<td>HIST 364</td>
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<td>Modern Latin America, 1800-Present</td>
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<td>HIST 380</td>
<td>Human Rights in History</td>
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<tr>
<td>HIST 390</td>
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<td>HIST 402</td>
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<td>HIST 420</td>
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<td>HIST 430</td>
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<td>HIST 440</td>
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<td>The American Revolution and Early Republic, 1763-1815</td>
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<td>Gilded Age America</td>
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<td>HIST 445</td>
<td>American Legal History to 1865</td>
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<td>American Legal History Since 1865</td>
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<tr>
<td>HIST 447</td>
<td>History of American Popular Culture</td>
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<td>American Biographies</td>
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<td>HIST 454</td>
<td>History of Religion in America</td>
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<td>HIST 458</td>
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<tr>
<td>HIST 463</td>
<td>The Atlantic World</td>
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<tr>
<td>HIST 464</td>
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<td>The Mexican Republic</td>
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<td>HIST 494</td>
<td>U S Military History</td>
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**Chronological: Pre-Modern Era (Pre-1700) and Modern Era (Post 1700)**

Courses meeting the Pre-Modern Era (PRE-1700) category are:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>HIST 305</td>
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<td>HIST 306</td>
<td>Ancient Rome</td>
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<td>The Middle Ages</td>
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<td>HIST 308</td>
<td>Conflict, Culture and Commerce in the Medieval Mediterranean</td>
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<tr>
<td>HIST 318</td>
<td>Age of the Reformation</td>
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<tr>
<td>HIST 323</td>
<td>The British Isles to 1688</td>
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<tr>
<td>HIST 330</td>
<td>History of Africa Before 1500</td>
</tr>
<tr>
<td>HIST 353</td>
<td>Indian Peoples of North America</td>
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<tr>
<td>HIST 402</td>
<td>Pirates in World History</td>
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<tr>
<td>HIST 404</td>
<td>History of Ancient Egypt</td>
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<tr>
<td>HIST 407</td>
<td>The Crusades: West Meets East</td>
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<tr>
<td>HIST 419</td>
<td>Tudor-Stuart England</td>
</tr>
<tr>
<td>HIST 440</td>
<td>Colonial North America to 1763</td>
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<tr>
<td>HIST 460</td>
<td>Traditional East Asia</td>
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<td>HIST 463</td>
<td>The Atlantic World</td>
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Courses meeting the Modern Era (Post 1700) are:

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<tbody>
<tr>
<td>HIST 200</td>
<td>Latin American Society: Past and Present</td>
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<tr>
<td>HIST 299</td>
<td>Introduction to Military History</td>
</tr>
<tr>
<td>HIST 310</td>
<td>Comparative Slavery</td>
</tr>
<tr>
<td>HIST 320</td>
<td>American Studies I</td>
</tr>
<tr>
<td>HIST 321</td>
<td>American Studies II</td>
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<td>HIST 322</td>
<td>Age of Enlightenment</td>
</tr>
<tr>
<td>HIST 324</td>
<td>Modern Britain Since 1688</td>
</tr>
<tr>
<td>HIST 325</td>
<td>Blacks in the Civil War and Reconstruction</td>
</tr>
<tr>
<td>HIST 331</td>
<td>History of Africa Since 1500</td>
</tr>
<tr>
<td>HIST 333</td>
<td>History of Genocide</td>
</tr>
<tr>
<td>HIST 334</td>
<td>Nineteenth Century Europe</td>
</tr>
<tr>
<td>HIST 335</td>
<td>Twentieth Century Europe</td>
</tr>
<tr>
<td>HIST 338</td>
<td>Russia to 1900</td>
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<tr>
<td>HIST 340</td>
<td>History of Popular Culture Since 1500</td>
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<tr>
<td>HIST 341</td>
<td>A Cultural History of Alcohol</td>
</tr>
<tr>
<td>HIST 347</td>
<td>Social History of the United States Since 1800</td>
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<tr>
<td>HIST 348</td>
<td>United States, 1900-1945</td>
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<td>The United States Since 1945</td>
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<tr>
<td>HIST 352</td>
<td>American Borderlands and the West</td>
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<tr>
<td>HIST 358</td>
<td>Blacks in American History to 1877</td>
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<tr>
<td>HIST 359</td>
<td>Blacks in American History Since 1877</td>
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<tr>
<td>HIST 360</td>
<td>History of Africa</td>
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<tr>
<td>HIST 364</td>
<td>Colonial Latin America, 1400-1825</td>
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<tr>
<td>HIST 365</td>
<td>Modern Latin America, 1800-Present</td>
</tr>
<tr>
<td>HIST 370</td>
<td>Modern South Asia: from Empires to Nations</td>
</tr>
<tr>
<td>HIST 379</td>
<td>Gandhi: The Creation of a Global Legacy</td>
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<tr>
<td>HIST 380</td>
<td>Human Rights in History</td>
</tr>
<tr>
<td>HIST 390</td>
<td>Blacks in the American South</td>
</tr>
<tr>
<td>HIST 391</td>
<td>History of Sport</td>
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<tr>
<td>HIST 402</td>
<td>Pirates in World History</td>
</tr>
<tr>
<td>HIST 420</td>
<td>History of Sexuality</td>
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<tr>
<td>HIST 422</td>
<td>The French Revolution and Napoleon</td>
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<tr>
<td>HIST 425</td>
<td>Modern Germany</td>
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<tr>
<td>HIST 426</td>
<td>Hitler and Nazi Germany</td>
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<tr>
<td>HIST 428</td>
<td>England Since 1914</td>
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<tr>
<td>HIST 430</td>
<td>History of the Civil Rights Movement in America</td>
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<tr>
<td>HIST 438</td>
<td>Twentieth Century Russia</td>
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<tr>
<td>HIST 439</td>
<td>Rise and Decline of Communism</td>
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<tr>
<td>HIST 441</td>
<td>The American Revolution and Early Republic, 1763-1815</td>
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<td>HIST 442</td>
<td>The Age of Jackson, 1815-1850</td>
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<td>HIST 444</td>
<td>Gilded Age America</td>
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<td>American Legal History Since 1865</td>
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<tr>
<td>HIST 447</td>
<td>History of American Popular Culture</td>
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<td>HIST 448</td>
<td>American Biographies</td>
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<tr>
<td>HIST 449</td>
<td>Korea and Vietnam</td>
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<tr>
<td>HIST 450</td>
<td>Diplomatic History of the United States to 1898</td>
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<tr>
<td>HIST 451</td>
<td>Diplomatic History of the United States Since 1898</td>
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<td>American Women's History</td>
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<td>Kentucky History</td>
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<td>Old South</td>
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<tr>
<td>HIST 458</td>
<td>New South</td>
</tr>
<tr>
<td>HIST 461</td>
<td>Modern East Asia</td>
</tr>
<tr>
<td>HIST 462</td>
<td>History of the Middle East</td>
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<tr>
<td>HIST 464</td>
<td>Latin America and the United States</td>
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<td>HIST 465</td>
<td>The Mexican Republic</td>
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<tr>
<td>HIST 471</td>
<td>Modern China</td>
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<td>HIST 472</td>
<td>Modern Japan</td>
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<tr>
<td>HIST 480</td>
<td>A Social History of Science</td>
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<tr>
<td>HIST 481</td>
<td>The Rise and Fall of the Confederacy</td>
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<tr>
<td>HIST 492</td>
<td>History of Canada</td>
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</table>
Select at least three upper-division courses in one of the following four thematic categories:

### Cultural, Religious and Intellectual History Category

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<td>HIST 200</td>
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<tr>
<td>HIST 352</td>
<td>American Borderlands and the West</td>
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<tr>
<td>HIST 360</td>
<td>History of Africa</td>
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<td>HIST 365</td>
<td>Modern Latin America, 1800-Present</td>
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<tr>
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### Peace, Conflict, and Human Rights Category

<table>
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<tr>
<td>HIST 299</td>
<td>Introduction to Military History</td>
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<tr>
<td>HIST 305</td>
<td>Ancient Greece</td>
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<td>HIST 306</td>
<td>Ancient Rome</td>
</tr>
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<td>HIST 308</td>
<td>Conflict, Culture and Commerce in the Medieval Mediterranean</td>
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<td>Comparative Slavery</td>
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<td>HIST 333</td>
<td>History of Genocide</td>
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<td>HIST 407</td>
<td>The Crusades: West Meets East</td>
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<td>HIST 419</td>
<td>Tudor-Stuart England</td>
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### History, Minor (392)

The minor in History requires a minimum of 21 semester hours.

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<th>Code</th>
<th>Title</th>
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<tr>
<td>or HIST 102</td>
<td>World History II</td>
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<tr>
<td>HIST 240</td>
<td>The United States to 1865</td>
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<tr>
<td>or HIST 241</td>
<td>The United States Since 1865</td>
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<td>Select a minimum of 12 hours in upper-division history courses</td>
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<tr>
<td>Select a restrictive elective</td>
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<td>Total Hours</td>
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<td>21</td>
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1 At least two upper-division courses from each of the following geographic and chronological areas are required: Afro-Eurasia; The Americas; & Pre-Modern Era; and Modern Era. A single elective can count toward completion of more than one concentration (e.g., a student may count HIST 333 toward the completion of “Afro-Eurasia” and “Modern Era”).

2 The student must complete a restrictive elective (3 hours): A student may select one elective course outside of the minor, but only in consultation with the departmental faculty advisor and with approval of the department head.

### Social Studies, Bachelor of Arts (592)

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.

### 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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/
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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
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<td>World History I</td>
<td>3</td>
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<td>HIST 102</td>
<td>World History II</td>
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<td>HIST 240</td>
<td>The United States to 1865</td>
<td>3</td>
</tr>
<tr>
<td>HIST 241</td>
<td>The United States Since 1865</td>
<td>3</td>
</tr>
<tr>
<td>HIST 498</td>
<td>Senior Seminar</td>
<td>3</td>
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</tbody>
</table>

Select 12 hours of upper-division courses including a course from each of the following areas:

- United States History
- European History to 1648
- European History since 1648
- Areas other than Europe or the United States

**Political Science**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>PS 110</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>PS 250</td>
<td>International Politics</td>
<td>3</td>
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<tr>
<td>or PS 260</td>
<td>Introduction to Comparative Politics</td>
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</tbody>
</table>

Select an upper-division elective from the following:

- PS 310 | The American Presidency            | 3     |
- PS 316 | The Legislative Process            | 3     |
- PS 326 | Constitutional Law                 | 3     |
- PS 327 | Civil Liberties                    | 3     |
- PS 328 | Criminal Justice Procedures        | 3     |
- PS 357 | U S Foreign Policy                 | 3     |
- PS 370 | American Political Parties and Interest Groups | 3 |
- PS 373 | Minority Politics                  | 3     |
- PS 435 | American Political Thought         | 3     |

**Economics**

<table>
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<tbody>
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<td>ECON 202</td>
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<tr>
<td>ECON 203</td>
<td>Principles of Economics (Macro)</td>
<td>3</td>
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</tbody>
</table>

**Geography**

<table>
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<tr>
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<th>Hours</th>
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<tr>
<td>GEOG 110</td>
<td>World Regional Geography</td>
<td>3</td>
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</table>

Select two of the following:

- GEOG 330 | Introduction to Cultural Geography | 3 |
- GEOG 350 | Economic Geography               | 3 |
- GEOG 360 | Geography of North America       | 3 |
- GEOG 364 | Geography of Europe              | 3 |
- GEOG 378 | Food, Culture, and Environment   | 3 |
- GEOG 425 | Political Geography              | 3 |
- GEOG 465 | Geography of East Asia           | 3 |
- GEOG 466 | Geography of Africa              | 3 |
- GEOG 467 | Geography of the Middle East     | 3 |

**Anthropology, Psychology and Sociology**

**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 34 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 (34 hours):

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 250</td>
<td>Discover Teaching: Introduction to Teacher Education</td>
<td>3</td>
</tr>
<tr>
<td>PSY 310</td>
<td>Educational Psychology: Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>SEC 350</td>
<td>Clinical Practices in Secondary Teaching I</td>
<td>8</td>
</tr>
<tr>
<td>SEC 481</td>
<td>Teaching Social Studies</td>
<td>3</td>
</tr>
<tr>
<td>LTCY 421</td>
<td>Content Area Reading in the Middle and Secondary Grades</td>
<td>3</td>
</tr>
<tr>
<td>EDU 489</td>
<td>Student Teaching Seminar</td>
<td>3</td>
</tr>
<tr>
<td>SEC 490</td>
<td>Student Teaching</td>
<td>10</td>
</tr>
</tbody>
</table>

**Total Hours**

33

**Finish in Four Plan**


Teacher Certification: [http://wku.edu/degreepaths/19-20/documents/pcal/social studies_tchr_592](http://wku.edu/degreepaths/19-20/documents/pcal/social studies_tchr_592)

**Department of Modern Languages**

Dr. Laura McGee, Head
Email: Laura.McGee@wku.edu

Honors College and International Center (HCIC), Office 2039
Phone: (270) 745-2401; Fax: (270) 745-6859
Email: modern.languages@wku.edu
Website: 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 Head.

**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. 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 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 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 for more information. The Department offers several scholarships and awards annually intended primarily to assist students who study abroad.

**Degrees**

- Arabic, Bachelor of Arts (609) (p. 105)
- Chinese, Bachelor of Arts (624) (p. 106)
- Spanish, Bachelor of Arts (778) (p. 108)

**Minors**

- Arabic, Minor (315) (p. 106)
- Chinese, Minor (337) (p. 108)
- Spanish, Minor (464) (p. 109)

**Faculty**

**Professor**

Karin M. Egloff PhD (French), University of Illinois at Urbana-Champaign, 1990
Laura G. McGee PhD (Germanics), University of Washington, 1996
Inmaculada Pertusa PhD (Spanish), University of Colorado at Boulder, 1996
Melissa A. Stewart PhD (Hispanic & Italian Studies), Johns Hopkins University, 1992

**Associate Professor**

David F. DiMeo PhD (Comparative Literature), Harvard University, 2006
Sonia E. Lenk PhD (Hispanic Language and Literature), University of Pittsburgh, 2007
Ke Peng PhD (East Asian Studies, East Asian Studies), University of Arizona, 2011
Francesca D. Sunkin MA (Spanish), Bowling Green State University, 1999

**Assistant Professor**

Yufen Chang PhD (Linguistics, Language Education), Indiana University-Bloomington, 2012
The Arabic for International Careers Program

The Arabic for International Careers program is a joint project of the U.S. Department of Education Undergraduate International Studies and Foreign Languages (UISFL) program and Western Kentucky University. It provides Arabic majors with three distinct paths in preparation of international careers:

- **Arabic for International Service**: designed for students interested in careers in government service and non-governmental organizations (NGOs) working with the Arab world and Arab speakers in America.
- **Arabic for Journalism**: designed for students interested in careers in Journalism and Broadcasting in the Arab world or dealing with Arab issues.
- **Arabic for International Business**: designed for students interested in careers in trade, investment and business in the Arab world or with Arab companies.

**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.

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)

Some of the required coursework may be accomplished through approved methods for demonstration of previous knowledge. Study abroad is strongly recommended. A minor or second major is required for the Arabic Language and Culture concentration. Students must earn a "C" or better in all major courses.

**Arabic Language and Culture Concentration**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARBC 102</td>
<td>Elementary Arabic II</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 201</td>
<td>Intermediate Arabic I</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 202</td>
<td>Intermediate Arabic II</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 301</td>
<td>Advanced Arabic I</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 302</td>
<td>Advanced Arabic II</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 321</td>
<td>Colloquial Arabic</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Courses**

At least six other ARBC courses at the 300 or 400 level for a total (including the core courses) of 36 or more credit hours.

**Total Hours**

36

**Arabic for Business Concentration**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARBC 102</td>
<td>Elementary Arabic II</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 201</td>
<td>Intermediate Arabic I</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 202</td>
<td>Intermediate Arabic II</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 301</td>
<td>Advanced Arabic I</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 302</td>
<td>Advanced Arabic II</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 321</td>
<td>Colloquial Arabic</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 418</td>
<td>Business Arabic</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 438</td>
<td>Topics in Arabic Media</td>
<td>3</td>
</tr>
<tr>
<td>MGT 210</td>
<td>Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 303</td>
<td>International Business</td>
<td>3</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics (Micro)</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives: Any 300 or 400 level ARBC courses.

6

**Total Hours**

39

**Arabic for International Service Concentration**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARBC 102</td>
<td>Elementary Arabic II</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 201</td>
<td>Intermediate Arabic I</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 202</td>
<td>Intermediate Arabic II</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 301</td>
<td>Advanced Arabic I</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 302</td>
<td>Advanced Arabic II</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 321</td>
<td>Colloquial Arabic</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 357</td>
<td>Arabic for International Service</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 437</td>
<td>Advanced Media Arabic</td>
<td>3</td>
</tr>
<tr>
<td>PS 365</td>
<td>Government and Politics of the Middle East</td>
<td>3</td>
</tr>
<tr>
<td>PS 250</td>
<td>International Politics</td>
<td>3</td>
</tr>
<tr>
<td>RELS 306</td>
<td>Islam</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 462</td>
<td>History of the Middle East</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives: Any 300 or 400 level ARBC courses.

6

**Total Hours**

39

**Arabic for Journalism Concentration**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARBC 102</td>
<td>Elementary Arabic II</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 201</td>
<td>Intermediate Arabic I</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 202</td>
<td>Intermediate Arabic II</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 301</td>
<td>Advanced Arabic I</td>
<td>3</td>
</tr>
</tbody>
</table>
Program Requirements (30 hours)
The proficiency-oriented Arabic minor is built upon student-centered curriculum and standards-based assessments. It provides WKU undergraduates with extensive language training and in-depth study of Arab culture and society, which prepare them to use Arabic proficiently in their professional endeavors. The minor in Arabic requires a minimum of 30 credit hours. Some of the required coursework may be accomplished through approved methods for demonstration of previous knowledge. Study abroad is recommended. Students must earn a "C" or better in all courses counted toward the minor.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARBC 102</td>
<td>Elementary Arabic II (or equivalent)</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 201</td>
<td>Intermediate Arabic I</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 202</td>
<td>Intermediate Arabic II</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 301</td>
<td>Advanced Arabic I</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 302</td>
<td>Advanced Arabic II</td>
<td>3</td>
</tr>
<tr>
<td>ARBC 437</td>
<td>Advanced Media Arabic</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Courses
Select at least five other ARBC courses at the 300- or 400-level

Total Hours 36

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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 250</td>
<td>Discover Teaching: Introduction to Teacher Education</td>
<td>3</td>
</tr>
<tr>
<td>LTCY 421</td>
<td>Content Area Reading in the Middle and Secondary Grades</td>
<td>3</td>
</tr>
<tr>
<td>SPED 330</td>
<td>Introduction to Exceptional Education: Diversity in Learning</td>
<td>3</td>
</tr>
<tr>
<td>PSY 310</td>
<td>Educational Psychology: Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>SEC 351</td>
<td>Teaching Strategies for Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>SEC 453</td>
<td>Management of Instruction</td>
<td>3</td>
</tr>
<tr>
<td>MLNG 410</td>
<td>Second Language Acquisition</td>
<td>3</td>
</tr>
<tr>
<td>MLNG 474</td>
<td>Teaching Foreign Language</td>
<td>3</td>
</tr>
<tr>
<td>EDU 489</td>
<td>Student Teaching Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 30

*Students may include among the five courses up to six credit hours of 300- or 400-level courses delivered in English but related to Arabic studies (HIST 462, GEOG 467, PS 365, RELS 306, RELS 311, RELS 320, or other courses with permission of the program advisor).

Finish in Four Plans

Arabic, Minor (315)

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.

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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Core Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHIN 102 or CHNF 101</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHIN 201 or CHNF 102</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHIN 202 or CHNF 201</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHIN 301 or CHNF 202</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHIN 302 or CHNF 202</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHIN 401</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHIN 402</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Elective Courses
Select at least four courses at the 300- or 400-level

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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chinese Language Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHIN 200-level courses other than CHIN 201 / CHIN 202 (3 hours maximum)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHIN or CHNF 300- or 400-level courses</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Study Abroad

Other courses with permission of program advisor (maximum of 6 hours)

Major in Chinese with Teacher Certification

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Core Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHIN 102 or CHNF 101</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHIN 201 or CHNF 102</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHIN 202 or CHNF 202</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHIN 301 or CHNF 202</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHIN 302 or CHNF 202</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Elective Courses
Select at least four courses at the 300- or 400-level

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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chinese Language Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHIN 200-level courses other than CHIN 201 / CHIN 202 (3 hours maximum)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHIN or CHNF 300- or 400-level courses</td>
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<td></td>
</tr>
</tbody>
</table>

Study Abroad

CHIN 306 (maximum of 6 hours)
**Courses on Chinese Studies (delivered in English)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 460</td>
<td>Traditional East Asia</td>
<td>3</td>
</tr>
<tr>
<td>HIST 461</td>
<td>Modern East Asia</td>
<td>3</td>
</tr>
<tr>
<td>HIST 471</td>
<td>Modern China</td>
<td>3</td>
</tr>
<tr>
<td>PS 366</td>
<td>Government and Politics in East Asia</td>
<td>3</td>
</tr>
<tr>
<td>RELS 317</td>
<td>Confucianism</td>
<td>3</td>
</tr>
<tr>
<td>RELS 318</td>
<td>Daoism</td>
<td>3</td>
</tr>
</tbody>
</table>

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:

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<thead>
<tr>
<th>Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>EDU 250</td>
<td>Discover Teaching: Introduction to Teacher Education</td>
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<td>LTCY 421</td>
<td>Content Area Reading in the Middle and Secondary Grades</td>
<td>3</td>
</tr>
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<td>SPED 330</td>
<td>Introduction to Exceptional Education: Diversity in Learning</td>
<td>3</td>
</tr>
<tr>
<td>PSY 310</td>
<td>Educational Psychology: Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>SEC 351</td>
<td>Teaching Strategies for Secondary Schools</td>
<td>3</td>
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<tr>
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<td>Student Teaching Seminar</td>
<td>3</td>
</tr>
<tr>
<td>SEC 490</td>
<td>Student Teaching</td>
<td>10</td>
</tr>
</tbody>
</table>

Total Hours: 37

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, Minor (337)**

**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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHIN 102 or CHNF 101</td>
<td>Elementary Chinese II</td>
<td>3</td>
</tr>
<tr>
<td>CHIN 201 or CHNF 102</td>
<td>Intermediate Chinese I</td>
<td>3</td>
</tr>
<tr>
<td>CHIN 202 or CHNF 201</td>
<td>Intermediate Chinese II</td>
<td>3</td>
</tr>
<tr>
<td>CHIN 301 or CHNF 202</td>
<td>Advanced Intermediate Chinese I</td>
<td>3</td>
</tr>
<tr>
<td>CHIN 302</td>
<td>Advanced Intermediate Chinese II (required for students not taking CHNF course)</td>
<td>3</td>
</tr>
<tr>
<td>CHIN 401</td>
<td>Advanced Chinese I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Courses**

Electives should be selected from the following categories:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHIN 200-level courses other than CHIN 201 / CHIN 202 (3 hours maximum)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chinese (CHIN) or Chinese Flagship (CHNF) courses at the 300- or 400-level</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CHIN 306 (maximum of 6 hours)</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

**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.

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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 102</td>
<td>Elementary Spanish II (or equivalent)</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 201</td>
<td>Intermediate Spanish I</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 202</td>
<td>Intermediate Spanish II</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 370</td>
<td>Spanish Conversation</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 371</td>
<td>Spanish Composition and Grammar</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 372</td>
<td>Latin American Civilization and Culture</td>
<td>3</td>
</tr>
<tr>
<td>or SPAN 373</td>
<td>Spanish Civilization and Culture</td>
<td></td>
</tr>
<tr>
<td>SPAN 374</td>
<td>Literature and Culture of Spain</td>
<td>3</td>
</tr>
<tr>
<td>or SPAN 376</td>
<td>Literature and Culture of Latin America</td>
<td></td>
</tr>
<tr>
<td>SPAN 470</td>
<td>Advanced Oral Spanish</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Courses
Select four Spanish Courses at the 300- or 400-level 12

Total Hours 36

Teacher Certification
Students interested in teacher certification in 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 French, German, & Spanish

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 250</td>
<td>Discover Teaching: Introduction to Teacher Education</td>
<td>3</td>
</tr>
<tr>
<td>LTCY 421</td>
<td>Content Area Reading in the Middle and Secondary Grades</td>
<td>3</td>
</tr>
<tr>
<td>SPED 330</td>
<td>Introduction to Exceptional Education: Diversity in Learning</td>
<td>3</td>
</tr>
<tr>
<td>PSY 310</td>
<td>Educational Psychology: Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>SEC 351</td>
<td>Teaching Strategies for Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>SEC 453</td>
<td>Management of Instruction</td>
<td>3</td>
</tr>
<tr>
<td>MLNG 410</td>
<td>Second Language Acquisition</td>
<td>3</td>
</tr>
<tr>
<td>MLNG 474</td>
<td>Teaching Foreign Language</td>
<td>3</td>
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<tr>
<td>EDU 489</td>
<td>Student Teaching Seminar</td>
<td>3</td>
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<tr>
<td>SEC 490</td>
<td>Student Teaching</td>
<td>10</td>
</tr>
</tbody>
</table>

Total Hours 37

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


Spanish, Minor (464)
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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 102</td>
<td>Elementary Spanish II (or equivalent)</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 201</td>
<td>Intermediate Spanish I</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 202</td>
<td>Intermediate Spanish II</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 370</td>
<td>Spanish Conversation</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 371</td>
<td>Spanish Composition and Grammar</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 372</td>
<td>Latin American Civilization and Culture</td>
<td>3</td>
</tr>
<tr>
<td>or SPAN 373</td>
<td>Spanish Civilization and Culture</td>
<td></td>
</tr>
<tr>
<td>SPAN 374</td>
<td>Literature and Culture of Spain</td>
<td>3</td>
</tr>
<tr>
<td>or SPAN 376</td>
<td>Literature and Culture of Latin America</td>
<td></td>
</tr>
<tr>
<td>SPAN 470</td>
<td>Advanced Oral Spanish</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Courses
Select four Spanish Courses at the 300- or 400-level 12

Total Hours 36
Elective Courses
Select at least three 300- or 400-level Courses 1 

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. Scott Harris, Head
Email: scott.harris@wku.edu

Ivan Wilson Center for Fine Arts, Office 351
Phone: (270) 745-3751; Fax: (270) 745-6855
Email: music@wku.edu
Website: 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 should 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. The Department of Music offers majors and a minor as shown in the following sections.

Music Fees
Individual or small group instruction in applied music voice or musical instrument: Fall and Spring – $50 Per Course

Applied Music Instruction
Music Majors and Minors take applied lessons as part of their individual degree program. These lessons are one-on-one or, depending 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 lesson 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. 111)
• Music, Bachelor of Music (593) (p. 112)

Minor
• Music, Minor (423) (p. 115)

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
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.

Program Coordinator
John M. Cipolla, john.cipolla@wku.edu, (270) 745-7093

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 Concentrations

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 100</td>
<td>Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUS 101</td>
<td>Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 200</td>
<td>Theory III</td>
<td>3</td>
</tr>
<tr>
<td>MUS 201</td>
<td>Theory IV</td>
<td>3</td>
</tr>
<tr>
<td>MUS 326</td>
<td>The History of Music I</td>
<td>3</td>
</tr>
<tr>
<td>MUS 327</td>
<td>The History of Music II</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Conducting

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 317</td>
<td>Conducting I</td>
<td>2</td>
</tr>
</tbody>
</table>

#### Ensembles

6 semesters of appropriate major ensembles | 6 |

#### Performance Attendance

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 155</td>
<td>Performance Attendance (6 semesters)</td>
<td>0</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 153</td>
<td>Applied Music Principal (4 semesters)</td>
<td>8</td>
</tr>
<tr>
<td>MUS 350</td>
<td>Applied Music Principal (2 semesters)</td>
<td>4</td>
</tr>
<tr>
<td>MUS 160</td>
<td>Group Piano I</td>
<td>1</td>
</tr>
<tr>
<td>MUS 161</td>
<td>Group Piano II</td>
<td>1</td>
</tr>
</tbody>
</table>

### Additional Requirements Specific to the Music-General (36 hour) Program

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 153</td>
<td>Applied Music Principal (2 semesters)</td>
<td>4</td>
</tr>
<tr>
<td>MUS 350</td>
<td>Applied Music Secondary (4 semesters)</td>
<td>4</td>
</tr>
<tr>
<td>MUS 160</td>
<td>Group Piano I</td>
<td>1</td>
</tr>
<tr>
<td>MUS 161</td>
<td>Group Piano II</td>
<td>1</td>
</tr>
</tbody>
</table>

1. Students whose major/principal instrument is piano may substitute MUS 360 in place of group piano (MUS 160, MUS 161).
### 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

1. **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.

2. **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.

3. **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.

5. **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.

6. **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).

7. **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.

### Finish in Four Plans

**Music Extended Concentration (48 hours)**: [http://wku.edu/degreepaths/19-20/documents/pcal/liberalarts_mus_extended_583.pdf](http://wku.edu/degreepaths/19-20/documents/pcal/liberalarts_mus_extended_583.pdf)

**Music General Concentration (36 hours)**: [https://www.wku.edu/degreepaths/19-20/documents/pcal/liberalarts_mus_general_583.pdf](https://www.wku.edu/degreepaths/19-20/documents/pcal/liberalarts_mus_general_583.pdf)

### Music, Bachelor of Music (593)

**Program Coordinator**
Catherine M. Wilson, catherine.wilson@wku.edu, (270) 745-5925

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.

### 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](http://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).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 100</td>
<td>Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUS 101</td>
<td>Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 200</td>
<td>Theory III</td>
<td>3</td>
</tr>
<tr>
<td>MUS 201</td>
<td>Theory IV</td>
<td>3</td>
</tr>
<tr>
<td>MUS 304</td>
<td>Form and Analysis</td>
<td>2</td>
</tr>
<tr>
<td>MUS 326</td>
<td>The History of Music I</td>
<td>3</td>
</tr>
<tr>
<td>MUS 327</td>
<td>The History of Music II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 153</td>
<td>Applied Music Principal (4 semesters)</td>
<td>8</td>
</tr>
<tr>
<td>MUS 353</td>
<td>Applied Music Principal (3 semesters)</td>
<td>6</td>
</tr>
<tr>
<td>MUS 160</td>
<td>Group Piano I</td>
<td>1</td>
</tr>
<tr>
<td>MUS 161</td>
<td>Group Piano II</td>
<td>1</td>
</tr>
<tr>
<td>MUS 260</td>
<td>Group Piano III</td>
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</tr>
<tr>
<td>MUS 261</td>
<td>Group Piano IV</td>
<td>1</td>
</tr>
<tr>
<td>MUS 155</td>
<td>Performance Attendance (7 semesters)</td>
<td>0</td>
</tr>
<tr>
<td>MUS 317</td>
<td>Conducting I</td>
<td>2</td>
</tr>
<tr>
<td>MUS 318</td>
<td>Conducting II</td>
<td>2</td>
</tr>
<tr>
<td>MUS 214</td>
<td>String Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MUS 312</td>
<td>Teaching Music in the Primary Grades</td>
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</tr>
<tr>
<td>MUS 412</td>
<td>Teaching Music in the Middle School</td>
<td>3</td>
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<td></td>
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</table>

Professional Education Requirements

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 250</td>
<td>Discover Teaching: Introduction to Teacher Education</td>
<td>3</td>
</tr>
<tr>
<td>SPED 330</td>
<td>Introduction to Exceptional Education: Diversity in Learning</td>
<td>3</td>
</tr>
<tr>
<td>PSY 310</td>
<td>Educational Psychology: Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>EDU 489</td>
<td>Student Teaching Seminar</td>
<td>3</td>
</tr>
<tr>
<td>ELED 490</td>
<td>Student Teaching</td>
<td>5</td>
</tr>
<tr>
<td>MGE/SEC 490</td>
<td>Student Teaching</td>
<td>5</td>
</tr>
<tr>
<td>LTCY 421</td>
<td>Content Area Reading in the Middle and Secondary Grades</td>
<td>3</td>
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<tr>
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Additional Requirements Specific to the Music Education Concentration INTEGRATED Track

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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>MUS 405</td>
<td>Choral Arranging</td>
<td>3</td>
</tr>
<tr>
<td>or MUS 407</td>
<td>Orchestration and Band Arranging</td>
<td></td>
</tr>
<tr>
<td>MUS 152</td>
<td>Diction I for Voice Majors</td>
<td>1</td>
</tr>
<tr>
<td>or MUS 162</td>
<td>Group Voice</td>
<td></td>
</tr>
<tr>
<td>MUS 215</td>
<td>Brass Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MUS 315</td>
<td>Clarinet and Saxophone Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MUS 316</td>
<td>Flute and Double Reed Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MUS 319</td>
<td>Percussion Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MUS 415</td>
<td>Choral Methods</td>
<td>3</td>
</tr>
<tr>
<td>MUS 416</td>
<td>Instrumental Methods</td>
<td>3</td>
</tr>
<tr>
<td>MUS 414</td>
<td>Choral Materials</td>
<td>2</td>
</tr>
<tr>
<td>or MUS 417</td>
<td>Marching Band Techniques</td>
<td></td>
</tr>
<tr>
<td>MUS 214</td>
<td>String Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MUS 312</td>
<td>Teaching Music in the Primary Grades</td>
<td>3</td>
</tr>
<tr>
<td>MUS 412</td>
<td>Teaching Music in the Middle School</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Hours</td>
<td>18</td>
</tr>
</tbody>
</table>

Additional Requirements Specific to the Music Education Concentration VOCAL Track

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 405</td>
<td>Choral Arranging</td>
<td>3</td>
</tr>
<tr>
<td>MUS 152</td>
<td>Diction I for Voice Majors</td>
<td>1</td>
</tr>
<tr>
<td>MUS 252</td>
<td>Diction II for Voice Majors</td>
<td>1</td>
</tr>
<tr>
<td>MUS 360</td>
<td>Accompanying</td>
<td>1</td>
</tr>
<tr>
<td>MUS 414</td>
<td>Choral Materials</td>
<td>2</td>
</tr>
</tbody>
</table>

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).

Colonnade Program: Students are required to take PHYS 130 and additional requirements from Teacher Certification (see Teacher Education for current requirements).
Select one of the following guided elective techniques courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 215</td>
<td>Brass Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MUS 315</td>
<td>Clarinet and Saxophone Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MUS 316</td>
<td>Flute and Double Reed Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MUS 319</td>
<td>Percussion Techniques</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total Hours**: 13

### Additional Requirements Specific to the Music Education Concentration INSTRUMENTAL Track

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 407</td>
<td>Orchestration and Band Arranging</td>
<td>3</td>
</tr>
<tr>
<td>MUS 162</td>
<td>Group Voice</td>
<td>1</td>
</tr>
<tr>
<td>MUS 215</td>
<td>Brass Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MUS 315</td>
<td>Clarinet and Saxophone Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MUS 316</td>
<td>Flute and Double Reed Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MUS 319</td>
<td>Percussion Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MUS 416</td>
<td>Instrumental Methods</td>
<td>3</td>
</tr>
<tr>
<td>MUS 417</td>
<td>Marching Band Techniques</td>
<td>2</td>
</tr>
</tbody>
</table>

**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 70 hours in music. The vocal track requires two additional courses in Diction – MUS 152 and MUS 252 – for 72 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 100</td>
<td>Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUS 101</td>
<td>Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 200</td>
<td>Theory III</td>
<td>3</td>
</tr>
<tr>
<td>MUS 201</td>
<td>Theory IV</td>
<td>3</td>
</tr>
<tr>
<td>MUS 304</td>
<td>Form and Analysis</td>
<td>2</td>
</tr>
<tr>
<td>MUS 326</td>
<td>The History of Music I</td>
<td>3</td>
</tr>
<tr>
<td>MUS 327</td>
<td>The History of Music II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 430</td>
<td>Music Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

### Theory/Composition Electives

Select two of the following or equivalent:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 203</td>
<td>Music Technology</td>
<td>1</td>
</tr>
<tr>
<td>MUS 206</td>
<td>Composition</td>
<td>1</td>
</tr>
<tr>
<td>MUS 405</td>
<td>Choral Arranging</td>
<td>1</td>
</tr>
<tr>
<td>MUS 407</td>
<td>Orchestration and Band Arranging</td>
<td>1</td>
</tr>
</tbody>
</table>

**Applied Music**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 153</td>
<td>Applied Music Principal (4 semesters)</td>
<td>8</td>
</tr>
<tr>
<td>MUS 357</td>
<td>Applied Music Major (2 semesters)</td>
<td>6</td>
</tr>
<tr>
<td>MUS 338</td>
<td>DIR Independent Study (Junior Recital)</td>
<td>1</td>
</tr>
<tr>
<td>MUS 457</td>
<td>Applied Music Major (2 semesters)</td>
<td>6</td>
</tr>
<tr>
<td>MUS 338</td>
<td>DIR Independent Study (Senior Recital)</td>
<td>1</td>
</tr>
</tbody>
</table>

### Group Piano

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 160</td>
<td>Group Piano I</td>
<td>1</td>
</tr>
<tr>
<td>MUS 161</td>
<td>Group Piano II</td>
<td>1</td>
</tr>
<tr>
<td>MUS 260</td>
<td>Group Piano III</td>
<td>1</td>
</tr>
<tr>
<td>MUS 261</td>
<td>Group Piano IV</td>
<td>1</td>
</tr>
</tbody>
</table>

### Performance Attendance

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 155</td>
<td>Performance Attendance (8 semesters)</td>
<td>0</td>
</tr>
</tbody>
</table>

### Pedagogy

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 310</td>
<td>Pedagogy for Performance Majors</td>
<td>3</td>
</tr>
</tbody>
</table>

### Vocal Track Only

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 152</td>
<td>Diction I for Voice Majors</td>
<td>1</td>
</tr>
<tr>
<td>MUS 252</td>
<td>Diction II for Voice Majors</td>
<td>1</td>
</tr>
</tbody>
</table>

### Conducting

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 317</td>
<td>Conducting I</td>
<td>2</td>
</tr>
</tbody>
</table>

### Ensembles

- 8 semesters of appropriate major ensembles: 8
- 2 semesters of elective ensembles: 2

**Total Hours**: 72

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

1. **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.

2. **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.

3. **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.

5. 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.

6. 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).

7. 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.

**Music, Minor (423)**

**Program Requirements (24 hours)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 100</td>
<td>Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUS 101</td>
<td>Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 120</td>
<td>Music Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>MUS 150</td>
<td>Applied Music Secondary (1 semester)</td>
<td>1</td>
</tr>
<tr>
<td>MUS 350</td>
<td>Applied Music Secondary (2 semesters)</td>
<td>2</td>
</tr>
</tbody>
</table>

**Ensembles**

3 semesters of appropriate ensembles 3

**Music Electives**

Select 9 hours from other music courses chosen in conjunction with the music minor advisor

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 Philosophy and Religion**

Dr. Jeffrey Samuels, Interim Head
Email: Jeffrey.Samuels@wku.edu

Cherry Hall, Office 300
Phone: (270) 745-3136; Fax: (270) 745-5261
Website: http://www.wku.edu/philosophy-religion
Philosophy
The mission of the philosophy program is to use its faculty’s collective expertise and experience in the various philosophical disciplines to teach philosophy with the intention of enabling its students to become effective, self-critical leaders able to empower others, to solve problems in diverse social and professional settings, and to experience satisfactions that can only come from living the examined life. To serve this mission, the philosophy program is committed to providing courses that:

- foster ethical understanding, analytical reading, logical thinking, and clear expression in our students;
- illuminate the assumptions, methods, and foundations of other disciplines for students who also major or minor in philosophy;
- acquaint students with paradigms and perspectives from past philosophies that provide recurring thought patterns whose strengths and weaknesses an autonomous individual should know;
- prepare students to deal with problems for which there are neither simple nor obvious solutions;
- equip students for graduate and professional study in fields such as law, government service, management, medicine, the ministry, and philosophy.

The philosophy program aids students to draw out from within themselves the assumptions and beliefs — often unconsciously but nonetheless deeply felt and held — governing their thoughts and actions, to express these inner convictions fully and clearly, and to subject them to critical analysis. This is the birth into the examined life. It is also the first step toward awakening in students the spirit of critical inquiry, encouraging them to question readily accepted ideas, to probe for and to expose all assumptions, and to subject all claims and all issues—personal or public, local or international — to close examination.

Philosophy lays bare fundamental questions and instructs students in the methods for grappling with them. As students develop, they see how ideas drive the phenomena of daily life. Philosophy calls students to the responsibility of putting all ideas to the test to know their value.

Religious Studies
The mission of the religious studies program is to promote the academic study of religion at Western Kentucky University and in the Commonwealth of Kentucky.

The academic study of religion provides the student with the methodological orientation necessary to comprehend the central beliefs, ethical practices, ritual systems, symbols, and social institutions of diverse religious traditions in their historic, contemporary and global contexts. Study in this field is multicultural and comparative, examining the life, ways, 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.

Asian Religions and Cultures
The continent of Asia is home to some of the most ancient and formative civilizations in history. All of the world’s largest religious traditions have their origins on the continent, and Asian peoples have shaped and reshaped how humanity understands the world and itself for centuries. The Asian Religions and Cultures major facilitates the understanding of the continent and its peoples, allowing students to understand not only the Asian past but to put current issues and problems into a broader historical, religious, and cultural context.

The department offers a major and a minor in philosophy, religious studies, and Asian religions and cultures. These majors prepare students for graduate work in a variety of disciplines, include philosophy and religious studies. Majors and minors in these fields also contribute to preparation for a variety of professional and vocational fields. In each case, the number of semester hours required is modest in order to encourage second majors and minors. The requirements are flexible enough to permit students to select courses which develop and extend their interest.

Degrees
- Asian Religions and Cultures, Bachelor of Arts (615) (p. 117)
- Philosophy, Bachelor of Arts (745) (p. 118)
- Religious Studies, Bachelor of Arts (769) (p. 119)

Minors
- Philosophy, Minor (429) (p. 119)
- Religious Studies, Minor (447) (p. 120)

Pre-Theology
Advisor: Dr. Jeffrey Samuels
Email: Jeffrey.Samuels@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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 100</td>
<td>Introduction to College Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENG 300</td>
<td>Writing in the Disciplines</td>
<td>3</td>
</tr>
<tr>
<td>BLNG 152</td>
<td>Biblical Languages I: Introductory Hebrew</td>
<td>3</td>
</tr>
<tr>
<td>BLNG 153</td>
<td>Biblical Languages II: Intermediate Hebrew</td>
<td>3</td>
</tr>
<tr>
<td>BLNG 154</td>
<td>Biblical Languages III: Introductory Greek</td>
<td>3</td>
</tr>
<tr>
<td>BLNG 155</td>
<td>Biblical Languages IV: Intermediate Greek</td>
<td>3</td>
</tr>
</tbody>
</table>
Religious and Cultures (ARC) major facilitates understanding of the continent and its peoples, allowing students to understand not only the Asian past but to put current issues and problems into a broader historical, religious, and cultural context.

**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](http://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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELS 103</td>
<td>Religions of Asia</td>
<td>6</td>
</tr>
<tr>
<td>RELS 302</td>
<td>Buddhism</td>
<td>6</td>
</tr>
<tr>
<td>RELS 303</td>
<td>Hinduism</td>
<td>6</td>
</tr>
<tr>
<td>RELS 306</td>
<td>Islam</td>
<td>6</td>
</tr>
<tr>
<td>RELS 317</td>
<td>Confucianism</td>
<td>6</td>
</tr>
<tr>
<td>RELS 318</td>
<td>Daoism</td>
<td>6</td>
</tr>
<tr>
<td>RELS 320</td>
<td>Religions of the Middle East</td>
<td>6</td>
</tr>
</tbody>
</table>

**Language**

Select one of the following one year sequences: 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARBC 101 &amp; ARBC 102</td>
<td>Elementary Arabic I and Elementary Arabic II</td>
<td>12</td>
</tr>
<tr>
<td>CHIN 101 &amp; CHIN 102</td>
<td>Elementary Chinese I and Elementary Chinese II</td>
<td>12</td>
</tr>
<tr>
<td>CHNF 101 &amp; CHNF 102</td>
<td>Intensive Elementary Chinese I and Intensive Elementary Chinese II</td>
<td>12</td>
</tr>
<tr>
<td>JAPN 101 &amp; JAPN 102</td>
<td>Elementary Japanese I and Elementary Japanese II</td>
<td>12</td>
</tr>
<tr>
<td>RELS 156 or RELS 157</td>
<td>Introductory Pali I and Pali II</td>
<td>12</td>
</tr>
</tbody>
</table>

**History and Politics**

Select two of the following courses: 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 110</td>
<td>Introduction to Asian Civilization</td>
<td>6</td>
</tr>
<tr>
<td>HIST 370</td>
<td>Modern South Asia: from Empires to Nations</td>
<td>6</td>
</tr>
<tr>
<td>HIST 460</td>
<td>Traditional East Asia</td>
<td>6</td>
</tr>
<tr>
<td>HIST 461</td>
<td>Modern East Asia</td>
<td>6</td>
</tr>
<tr>
<td>HIST 462</td>
<td>History of the Middle East</td>
<td>6</td>
</tr>
<tr>
<td>HIST 471</td>
<td>Modern China</td>
<td>6</td>
</tr>
<tr>
<td>HIST 472</td>
<td>Modern Japan</td>
<td>6</td>
</tr>
<tr>
<td>PS 365</td>
<td>Government and Politics of the Middle East</td>
<td>6</td>
</tr>
<tr>
<td>PS 366</td>
<td>Government and Politics in East Asia</td>
<td>6</td>
</tr>
</tbody>
</table>

**Electives**

Select three of the following courses or any of the previous courses: 7-9

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARBC 201</td>
<td>Intermediate Arabic I</td>
<td>6</td>
</tr>
<tr>
<td>ARBC 202</td>
<td>Intermediate Arabic II</td>
<td>6</td>
</tr>
</tbody>
</table>
The major in philosophy requires a minimum of 33 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Logic, Epistemology, and Metaphysics</strong></td>
<td></td>
</tr>
<tr>
<td>PHIL 214</td>
<td>Logic, Argument, and Practical Reasoning</td>
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<td></td>
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<tr>
<td>PHIL 331</td>
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<td>Any philosophy course or the following courses:</td>
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<tr>
<td>RELS 242</td>
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</table>

**Philosophy, Bachelor of Arts (745)**

**Program Coordinator**

Jeffrey Samuels, jeffrey.samuels@wku.edu, (270) 745-5748

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 (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.

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 Philosophy program offers an honors option for superior students that provides opportunities for a challenging and intensive investigation of philosophical topics through Honors-enriched options available to qualified students in all classes. An Honors Thesis is required in addition to the 32 hours for the regular major. Full details of the program may be obtained by contacting the philosophy undergraduate advisor.

**Finish in Four**


**Philosophy, Minor (429)**

**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.

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PHIL 214</td>
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<td>PHIL 315</td>
<td>Philosophy of Religion</td>
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<tr>
<td>PHIL 415</td>
<td>Advanced Logic</td>
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**History of Philosophy**

Select two of the following: 6

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<tbody>
<tr>
<td>PHIL 331</td>
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<td>PHIL 341</td>
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<td>PHIL 440</td>
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<td>PHIL 450</td>
<td>Readings in Modern or Contemporary Philosophy</td>
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**Ethics and Values**

Select two of the following: 6

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<thead>
<tr>
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<tbody>
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<td>PHIL 202</td>
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<td>PHIL 207</td>
<td>Philosophy and Popular Culture</td>
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<td>PHIL 208</td>
<td>Philosophy of Public Space; Reason, Action &amp; Violence</td>
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<td>PHIL 211</td>
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<td>PHIL 427</td>
<td>Philosophy of Law</td>
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**Electives**

Any philosophy course and/or two of of the following three RELS courses: 6

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<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>RELS 242</td>
<td>The Meaning of Life; Atheism to Zen</td>
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<tr>
<td>RELS 317</td>
<td>Confucianism</td>
<td></td>
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<tr>
<td>RELS 318</td>
<td>Daoism</td>
<td></td>
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</tbody>
</table>

**Religious Studies, Bachelor of Arts (769)**

**Program Coordinator**

James W. Barker, james.barker@wku.edu, (270) 745-5750

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.

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 hours must be distributed as follows:

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<tr>
<th>Code</th>
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<tbody>
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**Category I: World Religions**

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<td>PHIL 207</td>
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<td>Philosophy of Public Space; Reason, Action &amp; Violence</td>
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**Category II: Religious Traditions**

Select three courses from the following: 9

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<th>Code</th>
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<tr>
<td>RELS 317</td>
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<td>RELS 318</td>
<td>Daoism</td>
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Religious Studies, Minor (447)

Program Requirements (24 hours)

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<td>RELS 102</td>
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<td>RELS 302</td>
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<tr>
<td>RELS 303</td>
<td>Hinduism</td>
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<td>RELS 304</td>
<td>Judaism</td>
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<tr>
<td>RELS 305</td>
<td>Christianity</td>
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<tr>
<td>RELS 306</td>
<td>Islam</td>
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<td>RELS 318</td>
<td>Daoism</td>
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Three courses must be in each of the following categories:

Category III: Comparative Approaches to the Study of Religion

- 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

Electives may be from among the total offerings in RELS, or other courses approved by the Department Head, as well as from the departmentally approved study abroad courses.

- 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

Total Hours: 24

Finish in Four

http://www.wku.edu/political-science

Department of Political Science

Dr. Scott Lasley, Head

Email: scott.lasley@wku.edu

Grise Hall, Office 300

Phone: (270) 745-4558; Fax: (270) 745-2945

Website: http://www.wku.edu/political-science

Political Science is the study of governments, public policies and political processes, systems and political behavior. The Department of Political Science offers a Bachelor of Arts degree in three majors: Political Science, International Affairs, and Paralegal Studies. In addition, the
Department offers an Associate of Arts in Paralegal Studies, a minor in Political Science and a certificate in Political Communication.

Study Abroad
The world is our classroom. The Department of Political Science routinely offers faculty-led study abroad opportunities to the Czech Republic and Morocco. In recent years, faculty have also led study abroad programs to Ghana, Belgium. Student scholarships and financial assistance are available through the University. For more information on international student travel, contact the Department or the Office of Study Abroad and Global Learning.

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. Political Science majors/minors and International Affairs 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. 121)
- Paralegal Studies, Associate of Arts (276P, 276) (p. 123)
- Paralegal Studies, Bachelor of Arts (5002) (p. 123)
- Political Science, Bachelor of Arts (686) (p. 125)

Minor
- Political Science Minor (383) (p. 124)

Faculty
Professor
Craig T. Cobane PhD (Political Science), University of Cincinnati Main Campus, 2003
Victoria A. Gordon DPA (Public Administration), University of Illinois at Springfield, 2004
Jeffrey P. Kash PhD (Political Science), University of Iowa, 2002
Scott J. Lasley PhD (Political Science), University of Iowa, 2000
Julia F. Shadoan JD (Law), DePaul University, 1995
Joel F. Turner PhD (Political Science), Florida State University, 2007

Associate Professor
Saundra 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
Roger W. Murphy PhD (Political Science), Indiana University-Bloomington, 1996
Timothy S. Rich PhD (Political Science, East Asian Languages), Indiana University-Bloomington, 2012
Shannon K. Vaughan PhD (Political Science), University of Kentucky, 2004

International Affairs, Bachelor of Arts (702)

Program Coordinator
Roger W. Murphy, roger.murphy@wku.edu, (270) 745-2890

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.

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

1. Academic Programs
2. Colonnade Requirements
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 Head.

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.

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)

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<td>PS 260</td>
<td>Introduction to Comparative Politics</td>
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<tr>
<td>PS 300</td>
<td>Latin American Society: Past and Present</td>
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<td>PS 299</td>
<td>Contemporary Topics in Political Science</td>
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<td>PS 300</td>
<td>Model Assembly (Seminar)</td>
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Select 12 additional hours of the following: 2  

1. Academic Programs
2. Colonnade Requirements
3. Academic Requirements and Regulations.
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<td>PS 303</td>
<td>Politics and Film</td>
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<td>PS 350</td>
<td>Political Terrorism</td>
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<td>PS 352</td>
<td>International Relations of the Middle East</td>
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<tr>
<td>PS 355</td>
<td>International Organization and Law</td>
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<tr>
<td>PS 360</td>
<td>Government and Politics of Britain and Canada</td>
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<td>PS 361</td>
<td>Government and Politics of Western Europe</td>
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<td>PS 362</td>
<td>Latin American Government and Politics</td>
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<td>PS 363</td>
<td>Politics of Developing Nations</td>
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<td>PS 365</td>
<td>Government and Politics of the Middle East</td>
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<td>PS 366</td>
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<td>PS 367</td>
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<td>PS 368</td>
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<td>PS 369</td>
<td>Central European Politics</td>
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<td>Selected Topics in International Relations</td>
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<td>PS 457</td>
<td>Theories of War and Peace in International Relations</td>
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<td>PS 460</td>
<td>Selected Topics in Comparative Politics</td>
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<tr>
<td>FLK 310</td>
<td>Community Traditions &amp; Global Corporate Culture</td>
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<td>Peoples and Cultures of Latin America</td>
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<td>FLK 342</td>
<td>Peoples and Cultures of the Caribbean</td>
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<td>FREN 323</td>
<td>French Civilization and Culture</td>
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<td>Society, Resources, and Climate</td>
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<tr>
<td>GEOG 465</td>
<td>Geography of East Asia</td>
</tr>
<tr>
<td>GEOG 466</td>
<td>Geography of Africa</td>
</tr>
<tr>
<td>GEOG 467</td>
<td>Geography of the Middle East</td>
</tr>
<tr>
<td>HIST 299</td>
<td>Introduction to Military History</td>
</tr>
<tr>
<td>HIST 324</td>
<td>Modern Britain Since 1688</td>
</tr>
<tr>
<td>HIST 333</td>
<td>History of Genocide</td>
</tr>
<tr>
<td>HIST 335</td>
<td>Twentieth Century Europe</td>
</tr>
<tr>
<td>HIST 360</td>
<td>History of Africa</td>
</tr>
<tr>
<td>HIST 365</td>
<td>Modern Latin America, 1800-Present</td>
</tr>
<tr>
<td>HIST 370</td>
<td>Modern South Asia: from Empires to Nations</td>
</tr>
<tr>
<td>HIST 380</td>
<td>Human Rights in History</td>
</tr>
<tr>
<td>HIST 425</td>
<td>Modern Germany</td>
</tr>
<tr>
<td>HIST 438</td>
<td>Twentieth Century Russia</td>
</tr>
<tr>
<td>HIST 439</td>
<td>Rise and Decline of Communism</td>
</tr>
<tr>
<td>HIST 461</td>
<td>Modern East Asia</td>
</tr>
<tr>
<td>HIST 462</td>
<td>History of the Middle East</td>
</tr>
<tr>
<td>HIST 465</td>
<td>The Mexican Republic</td>
</tr>
<tr>
<td>HIST 471</td>
<td>Modern China</td>
</tr>
<tr>
<td>HIST 472</td>
<td>Modern Japan</td>
</tr>
<tr>
<td>HIST 494</td>
<td>U S Military History</td>
</tr>
<tr>
<td>CSJ 380</td>
<td>Our Future: Local and Global</td>
</tr>
<tr>
<td>PR 354</td>
<td>International Public Relations</td>
</tr>
<tr>
<td>MGT 303</td>
<td>International Business</td>
</tr>
<tr>
<td>MGT 316</td>
<td>International Management</td>
</tr>
<tr>
<td>MKT 324</td>
<td>International Marketing</td>
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<td>RELS 302</td>
<td>Buddhism</td>
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<td>RELS 303</td>
<td>Hinduism</td>
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<td>RELS 304</td>
<td>Judaism</td>
</tr>
<tr>
<td>RELS 305</td>
<td>Christianity</td>
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<td>RELS 306</td>
<td>Islam</td>
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<td>RELS 324</td>
<td>Christianity in Africa</td>
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<tr>
<td>SOCL 240</td>
<td>Global Social Problems</td>
</tr>
<tr>
<td>SOCL 363</td>
<td>Population, Society, and Development</td>
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</table>

Electives
Select 12 hours of the following with no more than 6 semester hours from one academic discipline:

- 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 324 Arabic Civilization II
- ARBC 437 Advanced Media Arabic
- ARBC 438 Topics in Arabic Media
- COMM 463 Advanced Intercultural Communication
- CRIM 448 International Justice and Crime
- ECON 380 International Economics
- ECON 385 Economic Development
- ECON 496 International Monetary Economics
- FIN 433 Financial Markets and Institutions
- FIN 436 International Financial Management

122  International Affairs, Bachelor of Arts (702)
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

http://wk.edu/degreepaths/19-20/documents/pcal/international_affairs_702.pdf

Paralegal Studies, Associate of Arts (276P, 276)

Program Coordinator
Julia F. Shadoan, julie.shadoan@wku.edu, (270) 780-2539

Like the Bachelor of Arts program, the Associate of Arts in Paralegal Studies prepares for careers as paralegals and legal assistants.

The associate degree in paralegal studies is approved by the American Bar Association and requires a minimum of 66 credit hours. It is designed to be completed in four or five semesters. Students must fulfill the stated requirements to declare a paralegal major and must follow the curriculum guidelines and the course prerequisites to graduate. Paralegal 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 legal specialty courses.

Program Requirements (64-66 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENGL 100C</td>
<td>Introduction to College Writing</td>
<td>3</td>
</tr>
<tr>
<td>PS 110</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>OST 220C</td>
<td>Word Processing</td>
<td>3</td>
</tr>
<tr>
<td>PLS 190C</td>
<td>Introduction to the Paralegal Profession</td>
<td>3</td>
</tr>
<tr>
<td>PLS 250</td>
<td>Legal Research and Writing I</td>
<td>3</td>
</tr>
<tr>
<td>PLS 283C</td>
<td>Real Estate Law for the Paralegal</td>
<td>3</td>
</tr>
<tr>
<td>PLS 291C</td>
<td>Criminal Law and Procedure</td>
<td>3</td>
</tr>
<tr>
<td>PLS 294C</td>
<td>Administrative Practice and Procedures</td>
<td>3</td>
</tr>
<tr>
<td>PLS 296C</td>
<td>Family Law</td>
<td>3</td>
</tr>
<tr>
<td>PLS 392</td>
<td>Corporate Law</td>
<td>3</td>
</tr>
<tr>
<td>PLS 393</td>
<td>Civil Procedure</td>
<td>3</td>
</tr>
<tr>
<td>PLS 395</td>
<td>Estate Planning and Administration</td>
<td>3</td>
</tr>
<tr>
<td>PLS 450</td>
<td>Legal Research and Writing II</td>
<td>3</td>
</tr>
<tr>
<td>PLS 499</td>
<td>Internship in Paralegal Studies</td>
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</table>

Colonnade Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BUS 214C</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BUS 110C/ACC 200C</td>
<td>Basic Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>COMM 145</td>
<td>Fundamentals of Public Speaking and Communication</td>
<td>3</td>
</tr>
<tr>
<td>MA 109C/116C</td>
<td>General Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 3 hours of Colonnade Natural and Physical Sciences courses 3

Select 3 hours of Colonnade Arts/Humanities courses 3

Select 3 hours of Colonnade Social and Behavioral Sciences courses 3

Select 3 hours of PLS electives 3

Total Hours 66

Paralegal Studies, Bachelor of Arts (5002)

Program Coordinator
Julia F. Shadoan, julie.shadoan@wku.edu, (270) 780-2539

Paralegals, also called legal assistants, 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 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 Paralegal 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 beneficid 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.
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, national 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 Paralegal Major (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 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.

**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](http://www.wku.edu/registrar/degree_certification.php).

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: [www.wku.edu/colonnade/colonnaderequirements.php](http://www.wku.edu/colonnade/colonnaderequirements.php).

**Political Science Minor (383)**

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLS 190C</td>
<td>Introduction to the Paralegal Profession</td>
<td>3</td>
</tr>
<tr>
<td>PLS 194C</td>
<td>Legal Technology</td>
<td>3</td>
</tr>
<tr>
<td>PLS 200C</td>
<td>Legal Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PLS 250</td>
<td>Legal Research and Writing I</td>
<td>3</td>
</tr>
<tr>
<td>PLS 283C</td>
<td>Real Estate Law for the Paralegal</td>
<td>3</td>
</tr>
<tr>
<td>PLS 291C</td>
<td>Criminal Law and Procedure</td>
<td>3</td>
</tr>
<tr>
<td>PLS 296C</td>
<td>Family Law</td>
<td>3</td>
</tr>
<tr>
<td>PLS 393</td>
<td>Civil Procedure</td>
<td>3</td>
</tr>
<tr>
<td>PLS 450</td>
<td>Legal Research and Writing II</td>
<td>3</td>
</tr>
</tbody>
</table>

**Paralegal Studies Electives**

Select 15 hours from the following:

- PLS 280C: Contract Law and the Paralegal
- PLS 282C: Tort Law and the Paralegal
- PLS 350C: Evidence
- PLS 360C: Debtor Creditor Relations
- PLS 381: Alternative Dispute Resolution Methods and Practices
- PLS 392: Corporate Law
- PLS 395: Estate Planning and Administration

**Political Science Electives**

Select 12 hours from the following:

- BUS 210C: Organization and Management
- or BUS 254C: Office Administration
- CRIM 330: Criminology
- CRIM 332: Juvenile Delinquency
- CRIM 380: Penology
- PS 304: State Government
- PS 311: Public Policy
- PS 316: The Legislative Process
- PS 412: Kentucky Government and Politics
- HIST 445: American Legal History to 1865
- HIST 446: American Legal History Since 1865

Other courses approved by the PLS advisors

Total Hours 60

1 12 hours must be at the upper-level.
2 9 hours must be at the upper-level.

The Bachelor of Arts in Paralegal Studies is approved by the American Bar Association.

**Finish in Four Plan**


**Political Science Minor (383)**

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS 110</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>PS 250</td>
<td>International Politics</td>
<td>3</td>
</tr>
<tr>
<td>or PS 260</td>
<td>Introduction to Comparative Politics</td>
<td></td>
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</tbody>
</table>

**Additional Courses**

Select 15 additional hours to complete the minor

Total Hours 21

At least one-half of the hours need to be earned at the 300-level or above.
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 (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.

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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
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<tr>
<td>PS 110</td>
<td>American National Government</td>
<td>3</td>
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<tr>
<td>PS 499</td>
<td>Senior Seminar in Government</td>
<td>3</td>
</tr>
<tr>
<td>PS 250</td>
<td>International Politics</td>
<td>3</td>
</tr>
<tr>
<td>or PS 260</td>
<td>Introduction to Comparative Politics</td>
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<tr>
<td>Select three of the following:</td>
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<tr>
<td>PS 201</td>
<td>Concepts of Political Science</td>
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<tr>
<td>PS 301</td>
<td>Research Methods in Political Behavior</td>
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<tr>
<td>PS 330</td>
<td>Introduction to Political Theory</td>
<td></td>
</tr>
<tr>
<td>PS 435</td>
<td>American Political Thought</td>
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</tbody>
</table>

Additional Courses
Select 15 additional hours to complete the major  15

Total Hours  33

1 Students are advised to take all core courses before enrolling in PS 499.

A minor or second major is required.

At least 17 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

Department of Sociology and Criminology

Dr. Holli Drummond, Head
Email: holli.drummond@wku.edu

Grise Hall, Office 100
Phone: 270-745-2259; Fax: 270-745-6493
Website: http://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. Students who major in sociology 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 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 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. 127)
• Diversity and Community Studies, Bachelor of Arts (631) (p. 128)
• Sociology, Bachelor of Arts (775) (p. 129)

Minors
• Citizenship & Social Justice, Minor (349) (p. 126)
• Criminology, Minor (342) (p. 127)
• Sexuality Studies, Minor (454) (p. 129)
• Sociology, Minor (461) (p. 131)

Faculty
Professor
Holli R. Drummond PhD (Sociology), University of Georgia, 2004
John M. Musalia PhD (Sociology), Indiana University-Bloomington, 2000
Anne B. Onyekwuluje PhD (Sociology), University of Nebraska-Lincoln, 1999
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
Molly B. Kerby PhD (Educational Leadership & Organizational Development), University of Louisville, 2007
A minor in citizenship & social justice provides graduates with a foundational understanding of concepts, issues, strategies, and practices of social justice from interdisciplinary and community-based perspectives. Students will engage in citizenship and social justice through multiple lenses of critical theory.

### Program Requirements (22 hours)

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>CSJ 200</td>
<td>Introduction to Social Justice</td>
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<td>CSJ 301</td>
<td>Seminar in Social Justice</td>
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<td>CSJ 435</td>
<td>Reimagining Citizenship</td>
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<td>CSJ 499</td>
<td>Social Justice Capstone</td>
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<tr>
<td></td>
<td><strong>Electives</strong></td>
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<tr>
<td></td>
<td>Select 12 hours of the following electives: ¹</td>
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<tr>
<td></td>
<td>AFAM 190 African American Experience</td>
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<tr>
<td></td>
<td>AFAM 333 Hip Hop and Democracy</td>
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<td>AFAM 343 Communities of Struggle</td>
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<td></td>
<td>ANTH 120 Introduction to Cultural Anthropology</td>
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<td></td>
<td>ANTH 360 Applied Anthropology – Understanding and Addressing Contemporary Human Problems</td>
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<td></td>
<td>ANTH 343 Anthropology of Gender</td>
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<td>FLK/AFAM 377 African-American Folklore</td>
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<td>FLK/ANTH 342 Peoples and Cultures of the Caribbean</td>
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<td></td>
<td>FLK 330 Cultural Connections and Diversity</td>
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<td>FLK 480 Women’s Folklife</td>
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<td></td>
<td>DCS 300 Public Problem Solving</td>
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<td>DCS 360 Place, Community, and Resilience</td>
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<td>DCS 363 Narrative, Discourse, and Prison Systems</td>
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<td>ECON 434 The Economics of Poverty and Discrimination</td>
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<td>ECON 445 Economics of Healthcare</td>
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<td>EDU 200 Becoming an Effective Global Citizen</td>
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<td>ENG 360 Gay and Lesbian Literature</td>
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<td>ENG 370 U.S. Ethnic Literature</td>
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<tr>
<td>ENG 393</td>
<td>African American Literature</td>
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<td>ENG 497</td>
<td>Women’s Literature</td>
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<td>GEOG 225</td>
<td>Visualizing Geography</td>
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<td>GEOG 330</td>
<td>Introduction to Cultural Geography</td>
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<td>GEOG 380</td>
<td>Global Sustainability</td>
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<td>GEOG 344</td>
<td>Environmental Ethics</td>
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<tr>
<td>GWS 200</td>
<td>Introduction to Gender And Women’s Studies</td>
<td>1</td>
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<td>GWS 375</td>
<td>American Masculinities</td>
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<td>GWS 400</td>
<td>Western Feminist Thought</td>
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<td>HIST 379</td>
<td>Gandhi: The Creation of a Global Legacy</td>
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<td>HIST 380</td>
<td>Human Rights in History</td>
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<tr>
<td>HIST 420</td>
<td>History of Sexuality</td>
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<tr>
<td>HIST 430</td>
<td>History of the Civil Rights Movement in America</td>
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<td>HIST 446</td>
<td>American Legal History Since 1865</td>
<td>1</td>
</tr>
<tr>
<td>HIST 453</td>
<td>American Women’s History</td>
<td>1</td>
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<tr>
<td>HIST 481</td>
<td>The Rise and Fall of the Confederacy</td>
<td>1</td>
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<tr>
<td>HON 251</td>
<td>Citizen and Self</td>
<td>1</td>
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<tr>
<td>LEAD 330</td>
<td>Leadership Ethics and Decision-Making</td>
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<tr>
<td>PHIL 103</td>
<td>Enduring Questions: The Committed Life</td>
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<tr>
<td>PHIL 202</td>
<td>Racial Justice</td>
<td>1</td>
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<tr>
<td>PHIL 208</td>
<td>Philosophy of Public Space; Reason, Action &amp; Violence</td>
<td>1</td>
</tr>
<tr>
<td>PHIL 212</td>
<td>Philosophy and Gender Theory</td>
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<td>PHIL 323</td>
<td>Social Ethics</td>
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<tr>
<td>PHIL 324</td>
<td>War and Peace</td>
<td>1</td>
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<tr>
<td>PHIL 333</td>
<td>Marx and Critical Theory</td>
<td>1</td>
</tr>
<tr>
<td>PHIL 427</td>
<td>Philosophy of Law</td>
<td>1</td>
</tr>
<tr>
<td>PHIL 350</td>
<td>Ethical Theory</td>
<td>1</td>
</tr>
<tr>
<td>PS 110</td>
<td>American National Government</td>
<td>1</td>
</tr>
<tr>
<td>PS 373</td>
<td>Minority Politics</td>
<td>1</td>
</tr>
<tr>
<td>PS 435</td>
<td>American Political Thought</td>
<td>1</td>
</tr>
<tr>
<td>PSY 355</td>
<td>Issues in Cross-Cultural Psychology</td>
<td>1</td>
</tr>
<tr>
<td>RELS 202</td>
<td>Racial Justice</td>
<td>1</td>
</tr>
<tr>
<td>RELS 323</td>
<td>Social Ethics</td>
<td>1</td>
</tr>
<tr>
<td>RELS 333</td>
<td>Women and Religion</td>
<td>1</td>
</tr>
<tr>
<td>SOCL 240</td>
<td>Global Social Problems</td>
<td>1</td>
</tr>
<tr>
<td>SOCL 312</td>
<td>Collective Behavior and Social Movements</td>
<td>1</td>
</tr>
<tr>
<td>SOCL 355</td>
<td>Sociology of Gender</td>
<td>1</td>
</tr>
<tr>
<td>SOCL 359</td>
<td>Sexuality and Society</td>
<td>1</td>
</tr>
<tr>
<td>SOCL 362</td>
<td>Social Institutions: Race, Class, and Gender</td>
<td>1</td>
</tr>
<tr>
<td>SOCL 452</td>
<td>Social Change</td>
<td>1</td>
</tr>
<tr>
<td>SWRK 300</td>
<td>Diversity and Social Welfare</td>
<td>1</td>
</tr>
<tr>
<td>SWRK 325</td>
<td>Social Work &amp; Women in Society</td>
<td>1</td>
</tr>
<tr>
<td>THEA 341</td>
<td>Culture and Performance</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Hours: 22
Select from at least three different programs/departments, and insure that at least 11 credits are from upper-level courses. Additional courses may be considered after consultation from the CCSJ Director.

**Criminology, Bachelor of Arts (627)**

**Program Coordinator**
Holli R. Drummond, holli.drummond@wku.edu, (270) 745-2259

Criminology is the scientific study of crime and delinquency. It looks at the causes, correction, and prevention of crime. Students interested in issues of crime, law, and justice will find the major in criminology academically and professionally rewarding.

**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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: 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 or second major. However, students majoring in criminology may not have a second major in sociology.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIM 101</td>
<td>Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CRIM 330</td>
<td>Criminology</td>
<td>3</td>
</tr>
<tr>
<td>CRIM 332</td>
<td>Juvenile Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>CRIM 380</td>
<td>Penology</td>
<td>3</td>
</tr>
<tr>
<td>CRIM 499</td>
<td>Senior Seminar</td>
<td>1</td>
</tr>
<tr>
<td>SOCL 300</td>
<td>Using Statistics in Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 302</td>
<td>Social Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 309</td>
<td>Social Deviance</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives**

Select four of the following courses: 12

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 300</td>
<td>Forensic Anthropology</td>
<td></td>
</tr>
<tr>
<td>CHEM 111</td>
<td>Introduction to Forensic Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHEM 430</td>
<td>Forensic Chemistry</td>
<td></td>
</tr>
<tr>
<td>CRIM 222</td>
<td>Introduction to Crime Mapping</td>
<td></td>
</tr>
<tr>
<td>CRIM 232</td>
<td>Introduction to Law Enforcement</td>
<td></td>
</tr>
<tr>
<td>CRIM 233</td>
<td>Alternatives to Confinement</td>
<td></td>
</tr>
<tr>
<td>CRIM 234</td>
<td>Crime and Popular Culture</td>
<td></td>
</tr>
<tr>
<td>CRIM 346</td>
<td>Special Topics in Criminology</td>
<td></td>
</tr>
<tr>
<td>CRIM 361</td>
<td>Race, Class, and Crime</td>
<td></td>
</tr>
<tr>
<td>CRIM 430</td>
<td>Comparative Systems of Juvenile Justice</td>
<td></td>
</tr>
<tr>
<td>CRIM 432</td>
<td>Sociology of Criminal Law</td>
<td></td>
</tr>
<tr>
<td>CRIM 434</td>
<td>Organized Crime</td>
<td></td>
</tr>
<tr>
<td>CRIM 437</td>
<td>The Death Penalty in America</td>
<td></td>
</tr>
<tr>
<td>CRIM 438</td>
<td>Victimology</td>
<td></td>
</tr>
</tbody>
</table>

**Finish in Four Plan**


**Criminology, Minor (342)**

**Program Requirements (21 hours)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIM 330</td>
<td>Criminology</td>
<td>3</td>
</tr>
<tr>
<td>CRIM 332</td>
<td>Juvenile Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>CRIM 380</td>
<td>Penology</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 309</td>
<td>Social Deviance</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives**

Select three of the following: 9

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 300</td>
<td>Forensic Anthropology</td>
<td></td>
</tr>
<tr>
<td>CHEM 111</td>
<td>Introduction to Forensic Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHEM 430</td>
<td>Forensic Chemistry</td>
<td></td>
</tr>
<tr>
<td>CRIM 101</td>
<td>Introduction to Criminal Justice</td>
<td></td>
</tr>
<tr>
<td>CRIM 222</td>
<td>Introduction to Crime Mapping</td>
<td></td>
</tr>
<tr>
<td>CRIM 232</td>
<td>Introduction to Law Enforcement</td>
<td></td>
</tr>
<tr>
<td>CRIM 233</td>
<td>Alternatives to Confinement</td>
<td></td>
</tr>
<tr>
<td>CRIM 234</td>
<td>Crime and Popular Culture</td>
<td></td>
</tr>
</tbody>
</table>
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.

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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSJ 200</td>
<td>Introduction to Social Justice</td>
<td>3</td>
</tr>
<tr>
<td>DCS 300</td>
<td>Public Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>AFAM 190</td>
<td>African American Experience</td>
<td>3</td>
</tr>
<tr>
<td>GWS 200</td>
<td>Introduction to Gender And Women’s Studies</td>
<td>3</td>
</tr>
<tr>
<td>DCS 400</td>
<td>Capstone in Diversity &amp; Community Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

Select an additional 18 hours of electives, at least 6 hours from each of the following three categories: 18

Category I: Formations of Identity and Narratives of Oppression:
- COMM 463 Advanced Intercultural Communication
- DCS 363 Narrative, Discourse, and Prison Systems
- ENG 360 Gay and Lesbian Literature
- ENG 370 U.S. Ethnic Literature
- ENG 387 Studies in Autobiography
- ENG 393 African American Literature
- FACS 395 Child and Family Stress
- GWS 375 American Masculinities
- HIST 310 Comparative Slavery
- HIST 353 Indian Peoples of North America
- PSY 355 Issues in Cross-Cultural Psychology
- RELS 333 Women and Religion
- SOCL 210 Interaction: Self in Society
- SUS 295 Popular Culture and Gender: Signs & Narratives

Category II: Advocacy and Social Change:

Select at least six hours from the following:
- AFAM 333 Hip Hop and Democracy
- AFAM 343 Communities of Struggle
- GWS 350 Feminism, the Arts, and Social Change
- HIST 358 Blacks in American History to 1877
- HIST 359 Blacks in American History Since 1877
- HIST 380 Human Rights in History
- HIST 453 American Women’s History
- CSJ 435 Reimagining Citizenship
- PS 373 Minority Politics
- PS 331 Politics Outside the Box

Diversity and Community Studies, Bachelor of Arts (631)

Program Coordinator
Holli R. Drummond, holli.drummond@wku.edu, (270) 745-2259

The diversity and community studies major provides graduates with a critical framework for understanding multiple intersecting systems of oppression, practices and strategies of resistance, and movements for social change. Drawing on interdisciplinary theory, practices, and analyses, the major examines intersecting systems of oppression at local and global scales. By taking on diverse perspectives, students hone their problem-solving skills and gain practical skills related to citizenship and advocacy. Such knowledge and skills are necessary for a wide range of vocations, ranging from social services to governmental and non-profit organizations. The major prepares students for advanced study in a range of interdisciplinary fields and for jobs that strive to alleviate social inequities and to improve the quality of life in diverse communities. A minor or second major is required.
PS 374  Women and Politics
SJB 310  Media Diversity
SOCL 350  Systems of Social Inequality

Category III: Systems, Local to Global:
Select six hours from the following:

DCS 360  Place, Community, and Resilience
ECON 434  The Economics of Poverty and Discrimination
FLK 330  Cultural Connections and Diversity
GEOG 110  World Regional Geography
GEOG 225  Visualizing Geography
HIST 200  Latin American Society: Past and Present
HIST 446  American Legal History Since 1865
PS 220  Judicial Process
PS 350  Political Terrorism
SOCL 240  Global Social Problems
SOCL 360  The Community in Rural and Urban Settings
SWRK 330  Human Behavior in the Social Environment I

Total Hours 33

Finish in Four Plan
Sample Degree Path: http://wku.edu/degreepaths/19-20/documents/pcal/diversity_and_community_studies_631.pdf

Sexuality Studies, Minor (454)
Program Requirements (18 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYS 482</td>
<td>Psychology of Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>PH 365</td>
<td>Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 359</td>
<td>Sexuality and Society</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives
Select three of the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 343</td>
<td>Anthropology of Gender</td>
<td></td>
</tr>
<tr>
<td>BIOL 302</td>
<td>Human Biology</td>
<td></td>
</tr>
<tr>
<td>FACS 311</td>
<td>Family Relations</td>
<td></td>
</tr>
<tr>
<td>FACS 495</td>
<td>Family and Relationship Violence</td>
<td></td>
</tr>
<tr>
<td>ENG 360</td>
<td>Gay and Lesbian Literature</td>
<td></td>
</tr>
<tr>
<td>HIST 420</td>
<td>History of Sexuality</td>
<td></td>
</tr>
<tr>
<td>PH 464</td>
<td>Women's Health</td>
<td></td>
</tr>
<tr>
<td>PH 468</td>
<td>Sexuality Education</td>
<td></td>
</tr>
<tr>
<td>SOCL 220</td>
<td>Marriage and Family</td>
<td></td>
</tr>
<tr>
<td>SOCL 355</td>
<td>Sociology of Gender</td>
<td></td>
</tr>
<tr>
<td>SOCL 466</td>
<td>Gender, Family, and Society</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 18

Students may not apply more than nine credit hours from one discipline toward the minor. The minor in Sexuality Studies is a cross-disciplinary exploration of human sexuality. Students who complete the minor gain a better understanding of human sexuality and acquire valuable background knowledge applicable to many humanities and social science fields, and to careers in education, counseling, social work, social service agencies, and public health.

Sociology, Bachelor of Arts (775)

Program Coordinator
Holli R. Drummond, holli.drummond@wku.edu, (270) 745-2259

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.

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.

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 or second major is required. However, student majoring in sociology may not have a second major in criminology.

Students may choose one of four thematic concentrations or they may choose a general major.

Core Courses
The following courses are required for every sociology major.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCL 100</td>
<td>Introductory Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 300</td>
<td>Using Statistics in Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 302</td>
<td>Social Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 304</td>
<td>Sociological Theory. Perspectives on Society</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 499</td>
<td>Senior Seminar</td>
<td>1</td>
</tr>
</tbody>
</table>

Additional core requirements and restricted electives depend on the major selected (see below). Non-restricted electives must be chosen from the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIM 330</td>
<td>Criminology</td>
<td>3</td>
</tr>
<tr>
<td>CRIM 332</td>
<td>Juvenile Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>CRIM 361</td>
<td>Race, Class, and Crime</td>
<td>3</td>
</tr>
<tr>
<td>CRIM 380</td>
<td>Penology</td>
<td>3</td>
</tr>
<tr>
<td>CRIM 432</td>
<td>Sociology of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>CRIM 434</td>
<td>Organized Crime</td>
<td>3</td>
</tr>
<tr>
<td>CRIM 438</td>
<td>Vicemology</td>
<td>3</td>
</tr>
<tr>
<td>CRIM 446</td>
<td>Gender, Crime, and Justice</td>
<td>3</td>
</tr>
<tr>
<td>CRIM 448</td>
<td>International Justice and Crime</td>
<td>3</td>
</tr>
<tr>
<td>CRIM 451</td>
<td>White-Collar Crime</td>
<td>3</td>
</tr>
</tbody>
</table>
Sociology, Bachelor of Arts (775)

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOCL 100</td>
<td>Introductory Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 210 or SOCL 240</td>
<td>Interaction: Self in Society or Global Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 300</td>
<td>Using Statistics in Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 302</td>
<td>Social Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 304</td>
<td>Sociological Theory: Perspectives on Society</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 499</td>
<td>Senior Seminar</td>
<td>1</td>
</tr>
<tr>
<td>Electives</td>
<td>Select 15 hours from among all approved electives listed above</td>
<td>15</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>31</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOCL 100</td>
<td>Introductory Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 270</td>
<td>Introduction to Community, Environment, &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 300</td>
<td>Using Statistics in Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 302</td>
<td>Social Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 304</td>
<td>Sociological Theory: Perspectives on Society</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 499</td>
<td>Senior Seminar</td>
<td>1</td>
</tr>
<tr>
<td>Concentration Courses</td>
<td>Select three of the following:</td>
<td>9</td>
</tr>
<tr>
<td>SOCL 240</td>
<td>Global Social Problems</td>
<td></td>
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<tr>
<td>SOCL 312</td>
<td>Collective Behavior and Social Movements</td>
<td></td>
</tr>
<tr>
<td>SOCL 350</td>
<td>Systems of Social Inequality</td>
<td></td>
</tr>
<tr>
<td>SOCL 360</td>
<td>The Community in Rural and Urban Settings</td>
<td></td>
</tr>
<tr>
<td>SOCL 363</td>
<td>Population, Society, and Development</td>
<td></td>
</tr>
<tr>
<td>SOCL 372</td>
<td>Causes and Consequences of Human-Wildlife Conflict</td>
<td></td>
</tr>
<tr>
<td>SOCL 376</td>
<td>Sociology of Globalization</td>
<td></td>
</tr>
<tr>
<td>SOCL 452</td>
<td>Social Change</td>
<td></td>
</tr>
<tr>
<td>SOCL 455</td>
<td>Theory and Practice of Community Development</td>
<td></td>
</tr>
<tr>
<td>SOCL 470</td>
<td>Environmental Sociology</td>
<td></td>
</tr>
</tbody>
</table>

Western Kentucky University – 2019-20 Undergraduate Catalog
### Family, Gender, and Sexuality
This concentration emphasizes the ways in which gender, sexuality, and kinship relations shape individual and group experiences.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCL 100</td>
<td>Introductory Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 220</td>
<td>Marriage and Family</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 300</td>
<td>Using Statistics in Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 302</td>
<td>Social Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 304</td>
<td>Sociological Theory: Perspectives on Society</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 499</td>
<td>Senior Seminar</td>
<td>1</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCL 100</td>
<td>Introductory Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 300</td>
<td>Using Statistics in Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 302</td>
<td>Social Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 304</td>
<td>Sociological Theory: Perspectives on Society</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 350 (or SOCL 362)</td>
<td>Systems of Social Inequality or Social Institutions: Race, Class, and Gender</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 499</td>
<td>Senior Seminar</td>
<td>1</td>
</tr>
</tbody>
</table>

**Concentration Courses**
Select six hours of restrictive electives from the following: 6

- ANTH 399  Field Methods in Ethnography
- or FLK 399 Field Methods in Ethnography
- ECON 465  Regression and Econometric Analysis
- GISC 316  Fundamentals of GIS
- SOCL 402  Evaluation Research Tech
- SOCL 408  Survey Applications
- STAT 330  Introduction to Statistical Software

Nine hours of non-restricted sociology elective credit from among all approved electives 9

Total Hours 31

### Sample Degree Paths:
- **General (without concentration):** [http://wku.edu/degreepaths/19-20/documents/pocal/sociology_775.pdf](http://wku.edu/degreepaths/19-20/documents/pocal/sociology_775.pdf)
- **Inequality and Social Change:** [http://wku.edu/degreepaths/19-20/documents/pocal/sociology_inequality_and_social_775.pdf](http://wku.edu/degreepaths/19-20/documents/pocal/sociology_inequality_and_social_775.pdf)
- **Research Methods:** [http://wku.edu/degreepaths/19-20/documents/pocal/sociology_research_methods_775.pdf](http://wku.edu/degreepaths/19-20/documents/pocal/sociology_research_methods_775.pdf)
- **Community, Environment & Development:** [http://wku.edu/degreepaths/19-20/documents/pocal/sociology_community_environment_and_devl_775.pdf](http://wku.edu/degreepaths/19-20/documents/pocal/sociology_community_environment_and_devl_775.pdf)
- **Family, Gender & Sexuality:** [http://wku.edu/degreepaths/19-20/documents/pocal/sociology_family_gender_and_sexuality_775.pdf](http://wku.edu/degreepaths/19-20/documents/pocal/sociology_family_gender_and_sexuality_775.pdf)

### Sociology, Minor (461)
Program Requirements (21 hour)

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCL 100</td>
<td>Introductory Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 300</td>
<td>Using Statistics in Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 302</td>
<td>Social Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 304</td>
<td>Sociological Theory: Perspectives on Society</td>
<td>3</td>
</tr>
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</table>

Electives

Select three of the following courses: 9

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIM 330</td>
<td>Criminology</td>
<td></td>
</tr>
<tr>
<td>CRIM 332</td>
<td>Juvenile Delinquency</td>
<td></td>
</tr>
<tr>
<td>CRIM 361</td>
<td>Race, Class, and Crime</td>
<td></td>
</tr>
<tr>
<td>CRIM 380</td>
<td>Penology</td>
<td></td>
</tr>
<tr>
<td>CRIM 432</td>
<td>Sociology of Criminal Law</td>
<td></td>
</tr>
<tr>
<td>CRIM 434</td>
<td>Organized Crime</td>
<td></td>
</tr>
<tr>
<td>CRIM 438</td>
<td>Victimology</td>
<td></td>
</tr>
<tr>
<td>CRIM 446</td>
<td>Gender, Crime, and Justice</td>
<td></td>
</tr>
<tr>
<td>CRIM 451</td>
<td>White-Collar Crime</td>
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</tr>
<tr>
<td>SOCL 210</td>
<td>Interaction: Self in Society</td>
<td></td>
</tr>
<tr>
<td>SOCL 220</td>
<td>Marriage and Family</td>
<td></td>
</tr>
<tr>
<td>SOCL 240</td>
<td>Global Social Problems</td>
<td></td>
</tr>
<tr>
<td>SOCL 245</td>
<td>Sociology of Popular Culture</td>
<td></td>
</tr>
<tr>
<td>SOCL 260</td>
<td>Race and Ethnic Relations</td>
<td></td>
</tr>
<tr>
<td>SOCL 270</td>
<td>Introduction to Community, Environment, &amp; Development</td>
<td></td>
</tr>
<tr>
<td>SOCL 309</td>
<td>Social Deviance</td>
<td></td>
</tr>
<tr>
<td>SOCL 310</td>
<td>Behavior in Small Groups</td>
<td></td>
</tr>
<tr>
<td>SOCL 312</td>
<td>Collective Behavior and Social Movements</td>
<td></td>
</tr>
<tr>
<td>SOCL 322</td>
<td>Religion in Society</td>
<td></td>
</tr>
<tr>
<td>SOCL 324</td>
<td>Sociology of Sport</td>
<td></td>
</tr>
<tr>
<td>SOCL 342</td>
<td>Aging in Society</td>
<td></td>
</tr>
<tr>
<td>SOCL 345</td>
<td>The Sociology of Popular Music</td>
<td></td>
</tr>
<tr>
<td>SOCL 346</td>
<td>Special Topics</td>
<td></td>
</tr>
<tr>
<td>SOCL 350</td>
<td>Systems of Social Inequality</td>
<td></td>
</tr>
<tr>
<td>SOCL 352</td>
<td>Technology, Work and Society</td>
<td></td>
</tr>
<tr>
<td>SOCL 355</td>
<td>Sociology of Gender</td>
<td></td>
</tr>
<tr>
<td>SOCL 359</td>
<td>Sexuality and Society</td>
<td></td>
</tr>
<tr>
<td>SOCL 360</td>
<td>The Community in Rural and Urban Settings</td>
<td></td>
</tr>
<tr>
<td>SOCL 362</td>
<td>Social Institutions: Race, Class, and Gender</td>
<td></td>
</tr>
<tr>
<td>SOCL 363</td>
<td>Population, Society, and Development</td>
<td></td>
</tr>
<tr>
<td>SOCL 372</td>
<td>Causes and Consequences of Human-Wildlife Conflict</td>
<td></td>
</tr>
<tr>
<td>SOCL 375</td>
<td>Diversity in American Society</td>
<td></td>
</tr>
<tr>
<td>SOCL 376</td>
<td>Sociology of Globalization</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 21

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Department of Theatre and Dance

Dr. David Young, Department Head
Email: david.young@wku.edu

Gordon Wilson Hall, Office 300A
Phone: (270) 745-5845; Fax: (270) 745-5879
Website: 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, directing, music theatre, or theatre design and 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 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. 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 Head.

Degrees

- Dance, Bachelor of Arts (630P, 630) (p. 133)
- Performing Arts, Bachelor of Fine Arts (588P 588) (p. 135)
- Theatre, Bachelor of Arts (798) (p. 137)

Minors

- Arts Administration, Minor (443) (p. 133)
- Dance, Minor (344) (p. 134)
- Musical Theatre, Minor (424) (p. 135)
- Theatre, Minor (490) (p. 138)

Faculty

Professor
Amanda G. Clark MFA (Dance), University of Oklahoma Norman, 2005
Elena S. Pollatsek MFA (Theatre Design), New York University, 1998
Richard S. Stroot MFA (Theatre Arts), University of Minnesota-Twin Cities, 1986
Thomas J. Tutino MFA (Scene Design), Boston University, 1986

Associate Professor
Michelle G. Dvoskin PhD (Theatre), University of Texas at Austin, 2010
David A. Young PhD (Theatre), Wayne State University, 2000

Assistant Professor
Julie L. Barber DA (Music), Ball State University, 2014
Michael P. Frohling MFA (Theatre), Southern Illinois University Carbondale, 2010
Meghen L. McKinley MFA (Dance), University of Hawaii at Manoa, 2012
Anna L. Patsfall MFA (Music), Florida State University, 2017
Amelia A. Rollings PhD (Music Education), University of Kansas Main Campus, 2015

Visiting Instructor
Kylene N. Stephens BS (Biology, Dance), Western Kentucky University, 2013

Instructor I
Carol Jordan MA (Theatre Education), Emerson College, 1998

Arts Administration, Minor (443)

The minor in Arts Administration (reference number 443) requires the completion of the following 24 credit hour program. At least 12 credit hours of the coursework in this minor must be at the upper-division level.

Program Requirements (24 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
</table>
| 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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 200</td>
<td>Introductory Accounting—Financial</td>
</tr>
<tr>
<td>BA 110</td>
<td>Introduction to Business and Entrepreneurship</td>
</tr>
<tr>
<td>ENT 312</td>
<td>Entrepreneurship</td>
</tr>
<tr>
<td>LEAD 300</td>
<td>Leadership Theory and Application</td>
</tr>
<tr>
<td>LEAD 475</td>
<td>Leadership Studies Special Topics</td>
</tr>
<tr>
<td>MGT 210</td>
<td>Organization and Management</td>
</tr>
<tr>
<td>MGT 333</td>
<td>Management of Nonprofit Organizations</td>
</tr>
<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
</tr>
<tr>
<td>MKT 322</td>
<td>Integrated Marketing Communications</td>
</tr>
<tr>
<td>MKT 325</td>
<td>Personal Selling</td>
</tr>
<tr>
<td>MKT 331</td>
<td>Social Media Marketing</td>
</tr>
<tr>
<td>PR 255</td>
<td>Fundamentals of Public Relations</td>
</tr>
<tr>
<td>REC 220</td>
<td>Understanding the Nonprofit Sector</td>
</tr>
<tr>
<td>REC 460</td>
<td>Grant Writing for Nonprofit Organizations</td>
</tr>
</tbody>
</table>

Total Hours 24

Dance, Bachelor of Arts (630P, 630)

Program Coordinator
Amanda G. Clark, amanda.clark@wku.edu, (270) 745-2956

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/registration/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.

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 an audition DVD. Following the audition, the dance faculty will review and 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 head.

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 in Colonnade Explorations – Arts & Humanities. DANC 360: Dance in Culture is recommended for Colonnade Connections – Social & Cultural Studies.

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

Dance, Minor (344)
Program Requirements (26 hours)
The minor in dance requires a minimum of 26 semester hours. At least 13 hours must be 300 level or above. DANC 110: Dance Appreciation is also recommended in Colonnade Explorations: Arts & Humanities. The requirements are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DANC 235</td>
<td>Dance Improvisation</td>
<td>2</td>
</tr>
<tr>
<td>DANC 310</td>
<td>Choreography I</td>
<td>3</td>
</tr>
<tr>
<td>DANC 420</td>
<td>Choreography II</td>
<td>3</td>
</tr>
</tbody>
</table>

**Dance Production**

| THEA 250 | Stage Electrics              | 3     |
| or THEA 241 | Costume Technology          |       |

**Restricted Electives**

Any relevant DANC, PERF, or THEA course with advisor’s approval. At least 22.5 credits applied to this major must be 300 level or above. Please keep this in mind when selecting electives.

**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.

**Dance, Minor (344)**
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<td>Dance Improvisation</td>
<td>2</td>
</tr>
<tr>
<td>DANC 310</td>
<td>Choreography I</td>
<td>3</td>
</tr>
<tr>
<td>DANC 420</td>
<td>Choreography II</td>
<td>3</td>
</tr>
</tbody>
</table>

**Dance Production**

| THEA 250 | Stage Electrics              | 3     |
| or THEA 241 | Costume Technology          |       |

**Restricted Electives**

Any relevant DANC, PERF, or THEA course with advisor’s approval. At least 22.5 credits applied to this major must be 300 level or above. Please keep this in mind when selecting electives.

**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

Dance, Minor (344)
Program Requirements (26 hours)
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<tr>
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<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DANC 235</td>
<td>Dance Improvisation</td>
<td>2</td>
</tr>
<tr>
<td>DANC 310</td>
<td>Choreography I</td>
<td>3</td>
</tr>
<tr>
<td>DANC 420</td>
<td>Choreography II</td>
<td>3</td>
</tr>
</tbody>
</table>

**Dance Production**

| THEA 250 | Stage Electrics              | 3     |
| or THEA 241 | Costume Technology          |       |

**Restricted Electives**

Any relevant DANC, PERF, or THEA course with advisor’s approval. At least 22.5 credits applied to this major must be 300 level or above. Please keep this in mind when selecting electives.

**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.
### Musical Theatre, Minor (424)

**Program Requirements (28 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 28 credit hours, as indicated below. No fewer than 14 credits in the minor must be upper-division.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 101</td>
<td>Acting I: Voice and Movement</td>
<td>3</td>
</tr>
<tr>
<td>or PERF 101</td>
<td>Acting</td>
<td></td>
</tr>
<tr>
<td>THEA 300</td>
<td>Acting II: Acting Craft</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Dance

Take at least one ballet, jazz, or tap dance technique class 2

#### Music

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 100</td>
<td>Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUS 150</td>
<td>Applied Music Secondary</td>
<td>1</td>
</tr>
<tr>
<td>or MUS 162</td>
<td>Group Voice</td>
<td></td>
</tr>
<tr>
<td>MUS 350</td>
<td>Applied Music Secondary</td>
<td>1</td>
</tr>
<tr>
<td>THEA 324</td>
<td>Applied Vocal Styles I (Repeatable)</td>
<td>1</td>
</tr>
<tr>
<td>THEA 324</td>
<td>Applied Vocal Styles I (Repeatable)</td>
<td></td>
</tr>
<tr>
<td>THEA 306</td>
<td>Musical Theatre Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>THEA 307</td>
<td>Musical Theatre Workshop I</td>
<td>3</td>
</tr>
</tbody>
</table>

#### History & Theory

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 252</td>
<td>Fundamentals of Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THEA 430</td>
<td>Musical Theatre History</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Restricted Upper-Division Electives

Any upper-division (level 300+) THEA, PERF or DANC course with advisor's approval

Total Hours 28

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### Performing Arts, Bachelor of Fine Arts (588P, 588)

**Program Coordinator**

Michelle G. Dvoskin, michelle.dvoskin@wku.edu, (270) 745-2545

Our BFA in Performing Arts is a pre-professional degree. 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 either Acting, Directing, 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 disciplinary field of the performing arts;
- Participated fully in at least one previous Jury/Portfolio Review (JPR).

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 JPR process you may download the current BFA in Performing Arts Handbook on the Departmental website: [https://www.wku.edu/theatre-and-dance/schedules_and_forms/departmental-forms.php](https://www.wku.edu/theatre-and-dance/schedules_and_forms/departmental-forms.php). Keep in mind, half of the total hours in the degree must be in upper-division coursework.

#### 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) (https://www.wku.edu/colonnade/colonnaderequirements.php).

The Performing Arts major is an interdisciplinary Bachelor of Fine Arts degree that requires the completion of a common 37 credit hour performing arts core and a 37 credit hour depth concentration in one of the following areas:

- Acting
- Music Theatre
- Directing
- Theatre Design and Technology

#### Performing Arts Core

All concentrations require the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PERF 175</td>
<td>University Experience: Performing Arts</td>
<td>2</td>
</tr>
<tr>
<td>PERF 450</td>
<td>Performing Arts Career Seminar</td>
<td>1</td>
</tr>
<tr>
<td>PERF 451</td>
<td>Career Seminar Workshop</td>
<td>2</td>
</tr>
</tbody>
</table>

#### History & Theory Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 252</td>
<td>Fundamentals of Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THEA 363</td>
<td>World Theatre History I</td>
<td>3</td>
</tr>
<tr>
<td>THEA 364</td>
<td>World Theatre History II</td>
<td>3</td>
</tr>
<tr>
<td>or THEA 431</td>
<td>Musical Theatre Repertoire</td>
<td></td>
</tr>
</tbody>
</table>

#### Related Arts Courses

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 100</td>
<td>Art Appreciation</td>
<td>3</td>
</tr>
</tbody>
</table>

---
**Performing Arts, Bachelor of Fine Arts (588P, 588)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 105</td>
<td>History of Art to 1300</td>
<td></td>
</tr>
<tr>
<td>MUS 120</td>
<td>Music Appreciation</td>
<td></td>
</tr>
</tbody>
</table>

**Performance Courses**

Select five hours of the following:  

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PERF 105</td>
<td>Taiji</td>
</tr>
<tr>
<td>THEA 101</td>
<td>Acting I: Voice and Movement</td>
</tr>
<tr>
<td>THEA 371</td>
<td>Directing I</td>
</tr>
<tr>
<td>DANC 235</td>
<td>Dance Improvisation</td>
</tr>
<tr>
<td>DANC 310</td>
<td>Choreography I</td>
</tr>
</tbody>
</table>

Any single dance technique course

**Design & Production Courses**

Select two of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 219</td>
<td>Design I</td>
</tr>
<tr>
<td>THEA 222</td>
<td>Stagecraft</td>
</tr>
<tr>
<td>THEA 250</td>
<td>Stage Electrics</td>
</tr>
<tr>
<td>THEA 241</td>
<td>Costume Technology</td>
</tr>
</tbody>
</table>

Take 6 total credit hours from the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PERF 120</td>
<td>Rehearsal and Production</td>
<td>1</td>
</tr>
<tr>
<td>PERF 121</td>
<td>Rehearsal and Production II</td>
<td>1</td>
</tr>
<tr>
<td>PERF 220</td>
<td>Production Lab I</td>
<td>0.5-1</td>
</tr>
<tr>
<td>PERF 221</td>
<td>Rehearsal and Production IV</td>
<td>1</td>
</tr>
<tr>
<td>PERF 320</td>
<td>Production Lab II</td>
<td>0.5-1</td>
</tr>
<tr>
<td>PERF 321</td>
<td>Production Lab III</td>
<td>0.5-1</td>
</tr>
</tbody>
</table>

Total Hours: 35.5-37

1. THEA 364 is required in all concentrations except music theatre. THEA 431 is required of music theatre concentrators.
2. Theatre design and technology concentrators must take ART 105.

**Directing Concentration**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 101</td>
<td>Acting I: Voice and Movement</td>
<td>3</td>
</tr>
<tr>
<td>THEA 300</td>
<td>Acting II: Acting Craft</td>
<td>3</td>
</tr>
<tr>
<td>THEA 301</td>
<td>Acting III: Characterization &amp; Scenework</td>
<td>3</td>
</tr>
<tr>
<td>THEA 312</td>
<td>Stage Management Practicum</td>
<td>3</td>
</tr>
<tr>
<td>THEA 354</td>
<td>History of Drama to 1640</td>
<td>3</td>
</tr>
<tr>
<td>or THEA 355</td>
<td>History of Drama Since 1640</td>
<td></td>
</tr>
<tr>
<td>THEA 371</td>
<td>Directing I</td>
<td>3</td>
</tr>
<tr>
<td>THEA 380</td>
<td>Directing II</td>
<td>3</td>
</tr>
<tr>
<td>THEA 391</td>
<td>Theatre for Young Audiences</td>
<td>3</td>
</tr>
<tr>
<td>THEA 401</td>
<td>Period Styles Lab</td>
<td>3</td>
</tr>
<tr>
<td>DANC 310</td>
<td>Choreography I</td>
<td>3</td>
</tr>
<tr>
<td>PERF 400</td>
<td>Advanced Performing Arts Studio</td>
<td>3</td>
</tr>
<tr>
<td>or THEA 392</td>
<td>Production of Theatre for Children</td>
<td></td>
</tr>
</tbody>
</table>

Select 5-13 hours of restricted electives (any relevant course in drama, theatre, dance, music theatre performance, etc. with advisor’s approval)

Total Hours: 38-46

1. The total number of restricted electives may vary, depending on whether PERF 205 and THEA 101 are tallied in the BFA core or in this concentration.

**Music Theatre Concentration**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 101</td>
<td>Acting I: Voice and Movement</td>
<td>3</td>
</tr>
<tr>
<td>THEA 141</td>
<td>Stage Makeup</td>
<td>1</td>
</tr>
<tr>
<td>THEA 203</td>
<td>Acting Audition Workshop</td>
<td>1</td>
</tr>
<tr>
<td>THEA 300</td>
<td>Acting II: Acting Craft</td>
<td>3</td>
</tr>
<tr>
<td>THEA 301</td>
<td>Acting III: Characterization &amp; Scenework</td>
<td>3</td>
</tr>
<tr>
<td>THEA 307</td>
<td>Musical Theatre Workshop I</td>
<td>3</td>
</tr>
<tr>
<td>THEA 407</td>
<td>Musical Theatre Workshop II</td>
<td>3</td>
</tr>
<tr>
<td>THEA 354</td>
<td>History of Drama to 1640</td>
<td>3</td>
</tr>
<tr>
<td>or THEA 355</td>
<td>History of Drama Since 1640</td>
<td></td>
</tr>
<tr>
<td>THEA 391</td>
<td>Theatre for Young Audiences</td>
<td>3</td>
</tr>
<tr>
<td>THEA 401</td>
<td>Period Styles Lab</td>
<td>3</td>
</tr>
<tr>
<td>THEA 410</td>
<td>Playing Shakespeare</td>
<td>3</td>
</tr>
</tbody>
</table>

Select a modern dance technique course (level depends on initial placement)

Select 10-15 hours of restricted electives (any relevant course in drama, theatre, dance, music theatre performance, etc. with advisor’s approval)

Select 6 hours of jazz dance technique courses

Select 4 hours of ballet dance technique courses

Select 2 hours of tap dance

**Music**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 100</td>
<td>Theory I</td>
</tr>
<tr>
<td>MUS 160</td>
<td>Group Piano I</td>
</tr>
<tr>
<td>THEA 431</td>
<td>Musical Theatre Repertoire</td>
</tr>
<tr>
<td>THEA 306</td>
<td>Musical Theatre Ensemble</td>
</tr>
</tbody>
</table>

**Any vocal ensemble course. THEA 306 is recommended.**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 162</td>
<td>Group Voice</td>
</tr>
</tbody>
</table>
MUS 350  Applied Music Secondary (repeatable 1 credit course)  3

THEA 385  Applied Vocal Styles II (repeatable 1 credit course)  4

Total Hours  45

Students demonstrating the ability to play the piano adequately may substitute an additional credit of any applied music lesson or vocal ensemble for MUS 160. MUS 162 may be replaced with an additional applied voice lesson by audition with the music department voice music faculty. PERF 205 and THEA 431 are required to be taken as part of the BFA Core.

**Theatre Design & Technology Concentration**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PER</td>
<td>175 University Experience: Performing Arts</td>
<td>2</td>
</tr>
<tr>
<td>THEA</td>
<td>222 Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THEA</td>
<td>241 Costume Technology</td>
<td></td>
</tr>
<tr>
<td>THEA</td>
<td>250 Stage Electrics</td>
<td></td>
</tr>
<tr>
<td>THEA</td>
<td>319 Design II</td>
<td>3</td>
</tr>
<tr>
<td>THEA</td>
<td>354 History of Drama to 1640</td>
<td>3</td>
</tr>
<tr>
<td>THEA</td>
<td>355 History of Drama Since 1640</td>
<td></td>
</tr>
<tr>
<td>THEA</td>
<td>424 Special Problems in Technical Theatre (repeatable 3 hours topics course)</td>
<td>9</td>
</tr>
<tr>
<td>THEA</td>
<td>363 World Theatre History I (3 credit hours)</td>
<td></td>
</tr>
<tr>
<td>THEA</td>
<td>364 World Theatre History II (3 credit hours)</td>
<td></td>
</tr>
<tr>
<td>THEA</td>
<td>365 U.S. Theatre History (3 credit hours)</td>
<td></td>
</tr>
<tr>
<td>THEA</td>
<td>375 Topics in Drama (3 credit hours)</td>
<td></td>
</tr>
<tr>
<td>THEA</td>
<td>430 Musical Theatre History (3 credit hours)</td>
<td></td>
</tr>
<tr>
<td>THEA</td>
<td>101 Acting I: Voice and Movement (3 credit hours)</td>
<td></td>
</tr>
<tr>
<td>THEA</td>
<td>371 Directing I (3 credit hours)</td>
<td></td>
</tr>
<tr>
<td>DANC</td>
<td>235 Dance Improvisation (2 credit hours)</td>
<td></td>
</tr>
</tbody>
</table>

Restricted electives (any relevant course in drama, theatre, dance, music theatre performance, etc. with advisor’s approval)  17

Total Hours  36-37

1 Must take whichever not taken in satisfaction of the BFA core requirement.

**Sample Degree Path for Concentration:**


**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](http://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).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PERF</td>
<td>175 University Experience: Performing Arts</td>
<td>2</td>
</tr>
<tr>
<td>THEA</td>
<td>222 Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THEA</td>
<td>241 Costume Technology</td>
<td></td>
</tr>
<tr>
<td>THEA</td>
<td>250 Stage Electrics</td>
<td></td>
</tr>
<tr>
<td>THEA</td>
<td>319 Design II</td>
<td>3</td>
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<tr>
<td>THEA</td>
<td>354 History of Drama to 1640</td>
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<td>THEA</td>
<td>355 History of Drama Since 1640</td>
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<tr>
<td>THEA</td>
<td>424 Special Problems in Technical Theatre (repeatable 3 hours topics course)</td>
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</tr>
<tr>
<td>THEA</td>
<td>363 World Theatre History I (3 credit hours)</td>
<td></td>
</tr>
<tr>
<td>THEA</td>
<td>364 World Theatre History II (3 credit hours)</td>
<td></td>
</tr>
<tr>
<td>THEA</td>
<td>365 U.S. Theatre History (3 credit hours)</td>
<td></td>
</tr>
<tr>
<td>THEA</td>
<td>375 Topics in Drama (3 credit hours)</td>
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</tr>
<tr>
<td>THEA</td>
<td>430 Musical Theatre History (3 credit hours)</td>
<td></td>
</tr>
<tr>
<td>THEA</td>
<td>101 Acting I: Voice and Movement (3 credit hours)</td>
<td></td>
</tr>
<tr>
<td>THEA</td>
<td>371 Directing I (3 credit hours)</td>
<td></td>
</tr>
<tr>
<td>DANC</td>
<td>235 Dance Improvisation (2 credit hours)</td>
<td></td>
</tr>
</tbody>
</table>

Restricted electives (any relevant course in drama, theatre, dance, music theatre performance, etc. with advisor’s approval)  17

Total Hours  36-37

1 Must take whichever not taken in satisfaction of the BFA core requirement.

**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](http://www.wku.edu/registrar/degree_certification.php).

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A minor or second major is required. At least 22.5 credits applied to this major must be upper-division (300 level or above).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PERF</td>
<td>175 University Experience: Performing Arts</td>
<td>2</td>
</tr>
<tr>
<td>THEA</td>
<td>222 Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THEA</td>
<td>241 Costume Technology</td>
<td></td>
</tr>
<tr>
<td>THEA</td>
<td>250 Stage Electrics</td>
<td></td>
</tr>
<tr>
<td>THEA</td>
<td>319 Design II</td>
<td>3</td>
</tr>
<tr>
<td>THEA</td>
<td>354 History of Drama to 1640</td>
<td>3</td>
</tr>
<tr>
<td>THEA</td>
<td>355 History of Drama Since 1640</td>
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</tr>
<tr>
<td>THEA</td>
<td>424 Special Problems in Technical Theatre (repeatable 3 hours topics course)</td>
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<tr>
<td>THEA</td>
<td>363 World Theatre History I (3 credit hours)</td>
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<td></td>
</tr>
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<td></td>
</tr>
<tr>
<td>THEA</td>
<td>375 Topics in Drama (3 credit hours)</td>
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<tr>
<td>THEA</td>
<td>430 Musical Theatre History (3 credit hours)</td>
<td></td>
</tr>
<tr>
<td>THEA</td>
<td>101 Acting I: Voice and Movement (3 credit hours)</td>
<td></td>
</tr>
<tr>
<td>THEA</td>
<td>371 Directing I (3 credit hours)</td>
<td></td>
</tr>
<tr>
<td>DANC</td>
<td>235 Dance Improvisation (2 credit hours)</td>
<td></td>
</tr>
</tbody>
</table>

Restricted electives (any relevant course in drama, theatre, dance, music theatre performance, etc. with advisor’s approval)  17

Total Hours  36-37

1 Must take whichever not taken in satisfaction of the BFA core requirement.

**Sample Degree Path for Concentration:**

The minor in theatre requires the completion of the following 26 credit hour program. At least 13 credit hours of the coursework in this minor must be at the upper-division level.

### Program Requirements (26 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 151</td>
<td>Theatre Appreciation ¹</td>
<td>3</td>
</tr>
<tr>
<td>or THEA 252</td>
<td>Fundamentals of Theatre</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>THEA 363</td>
<td>World Theatre History I</td>
<td></td>
</tr>
<tr>
<td>THEA 364</td>
<td>World Theatre History II</td>
<td></td>
</tr>
<tr>
<td>THEA 365</td>
<td>U.S. Theatre History</td>
<td></td>
</tr>
<tr>
<td>THEA 341</td>
<td>Culture and Performance</td>
<td></td>
</tr>
<tr>
<td>PERF 101</td>
<td>Acting</td>
<td>3</td>
</tr>
<tr>
<td>or THEA 101</td>
<td>Acting I: Voice and Movement</td>
<td></td>
</tr>
<tr>
<td>PERF 120</td>
<td>Rehearsal and Production</td>
<td>1</td>
</tr>
<tr>
<td>PERF 220</td>
<td>Production Lab I (take once as a 1 credit class, or twice as a .5 credit class)</td>
<td>1</td>
</tr>
</tbody>
</table>

Select one of the following: 3

| THEA 222 | Stagecraft                        | 3     |
| 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 head.

### Interdisciplinary Programs

#### Minors

- Asian Studies, Minor (317) (p. 138)
- Film Studies, Minor (358) (p. 140)
- Latin American Studies, Minor (408) (p. 140)
- Legal Studies, Minor (409) (p. 141)
- Russian and East European Studies, Minor (451) (p. 142)

#### Certificates

- Brewing and Distilling Arts & Sciences, Certificate (1733) (p. 139)

### Asian Studies, Minor (317)

**Program Coordinator**

Paul A. Fischer, paul.fischer@wku.edu, (270) 745-5758

**Advisor:** Dr. Jeffrey Samuels

Cherry Hall, Office 311

Phone: (270) 745-5748

Email: Jeffrey.Samuels@wku.edu

Website: http://www.wku.edu/AsianStudies/

**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**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELS 103</td>
<td>Religions of Asia</td>
<td>3</td>
</tr>
<tr>
<td>RELS 302</td>
<td>Buddhism</td>
<td></td>
</tr>
<tr>
<td>RELS 303</td>
<td>Hinduism</td>
<td></td>
</tr>
<tr>
<td>RELS 306</td>
<td>Islam</td>
<td></td>
</tr>
</tbody>
</table>

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 head.

### Finish in Four Plan

http://wku.edu/degreepaths/19-20/documents/pccal/theatre_798.pdf
RELS 317 Confucianism
RELS 318 Daoism
RELS 320 Religions of the Middle East

**History and Politics**
Select two of the following: 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 110</td>
<td>Introduction to Asian Civilization</td>
</tr>
<tr>
<td>HIST 370</td>
<td>Modern South Asia: from Empires to Nations</td>
</tr>
<tr>
<td>HIST 460</td>
<td>Traditional East Asia</td>
</tr>
<tr>
<td>HIST 461</td>
<td>Modern East Asia</td>
</tr>
<tr>
<td>HIST 462</td>
<td>History of the Middle East</td>
</tr>
<tr>
<td>HIST 471</td>
<td>Modern China</td>
</tr>
<tr>
<td>HIST 472</td>
<td>Modern Japan</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS 365</td>
<td>Government and Politics of the Middle East</td>
</tr>
<tr>
<td>PS 366</td>
<td>Government and Politics in East Asia</td>
</tr>
</tbody>
</table>

**Electives**
Select three of the following: 9

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARBC 101</td>
<td>Elementary Arabic I</td>
</tr>
<tr>
<td>ARBC 102</td>
<td>Elementary Arabic II</td>
</tr>
<tr>
<td>ARC 401</td>
<td>Topics in Asian Religions and Cultures</td>
</tr>
<tr>
<td>ARC 498</td>
<td>Study in Asian Religions and Cultures</td>
</tr>
<tr>
<td>CHIN 101</td>
<td>Elementary Chinese I</td>
</tr>
<tr>
<td>CHIN 102</td>
<td>Elementary Chinese II</td>
</tr>
<tr>
<td>CHNF 101</td>
<td>Intensive Elementary Chinese I</td>
</tr>
<tr>
<td>CHNF 102</td>
<td>Intensive Elementary Chinese II</td>
</tr>
<tr>
<td>GEOG 467</td>
<td>Geography of the Middle East</td>
</tr>
<tr>
<td>JAPN 101</td>
<td>Elementary Japanese I</td>
</tr>
<tr>
<td>JAPN 102</td>
<td>Elementary Japanese II</td>
</tr>
<tr>
<td>PERF 105</td>
<td>Taiji (may be taken up to three times)</td>
</tr>
</tbody>
</table>

**Any course from a previous category**

Total Hours 21

Students must take courses from at least three different departments. At least 12 credit hours must be at the 300-level or above.

### East and South Asian Track

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH/FLK 341</td>
<td>Peoples and Cultures of Asia</td>
</tr>
<tr>
<td>HIST 110</td>
<td>Introduction to Asian Civilization</td>
</tr>
<tr>
<td>HIST 370</td>
<td>Modern South Asia: from Empires to Nations</td>
</tr>
<tr>
<td>HIST 460</td>
<td>Traditional East Asia</td>
</tr>
</tbody>
</table>

**Total Hours** 12

Students must take courses from at least three different departments. At least 12 credit 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) 745-6566

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 (12-15 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDAS 300</td>
<td>The Science of Fermentation in Brewing and Distilling</td>
<td>3</td>
</tr>
<tr>
<td>ENT 312</td>
<td>Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>HIST 341</td>
<td>A Cultural History of Alcohol</td>
<td>3</td>
</tr>
<tr>
<td>or GEOG 386</td>
<td>Geography of Potent Potables: Brewing, Distilling, and Wine Making</td>
<td></td>
</tr>
<tr>
<td>BDAS 495</td>
<td>Internship in Brewing/Distilling</td>
<td>1-3</td>
</tr>
</tbody>
</table>

Total Hours: 10-12

Film Studies, Minor (358)

Program Coordinator
Theodore R. Hovet, ted.hovet@wku.edu, (270) 745-5782

Director: Dr. Ted Hovet
Email: Ted.Hovet@wku.edu
Cherry Hall, Office 110-B
Phone: (270) 745-5782

Program Requirements (21 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FILM 201</td>
<td>Introduction to the Cinema</td>
<td>3</td>
</tr>
<tr>
<td>ENG/FILM 366</td>
<td>History of Narrative Film</td>
<td>3</td>
</tr>
<tr>
<td>ENG/FILM 465</td>
<td>Film Genres</td>
<td>3</td>
</tr>
</tbody>
</table>

Select four of the following: 12

- ANTH 448 Visual Anthropology
- ANTH 449 Ethnographic Video Production
- BCOM 264 Digital Video Production and Distribution
- BCOM 378 Film Animation
- BCOM 481 Problems in Mass Communication
- ENG 309 Documentary Film
- ENG 365 Film Adaptation
- ENG/FILM 466 Film Theory
- ENG 499 Directed Study in English
- GERM 437 German Literature and Film
- FREN 450 Topics in Francophone Cinema
- PS 303 Politics and Film
- SPAN 490 Hispanic Cinema
- THEA 303 Acting for the Camera
- SUS 295 Popular Culture and Gender: Signs & Narratives
- FILM 369 Introduction to World Cinema
- FILM 399 Special Topics in Film (repeatable for credit)
- FILM 250 Screenwriting
- FILM 469 Topics in World Cinema

Total Hours: 21

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.

Latin American Studies, Minor (408)

Program Coordinator
Marc V. Eagle, marc.eagle@wku.edu, (270) 745-3841

Faculty Advisors:
Dr. David Keeling
Environmental Science & Tech Building, Office 304
Phone: (270) 745-4555
Email: David.Keeling@wku.edu

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 even 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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH/FLK 340</td>
<td>Peoples and Cultures of Latin America</td>
<td>3</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 445</td>
<td>American Legal History to 1865</td>
<td>3</td>
</tr>
<tr>
<td>HIST 446</td>
<td>American Legal History Since 1865</td>
<td>3</td>
</tr>
<tr>
<td>PS 326</td>
<td>Constitutional Law</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 350</td>
<td>Ethical Theory</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 301</td>
<td>Press Law and Ethics</td>
<td></td>
</tr>
<tr>
<td>or BCOM 301</td>
<td>Mass Communication Law and Ethics</td>
<td></td>
</tr>
<tr>
<td>PS 338</td>
<td>Government and Ethics</td>
<td></td>
</tr>
<tr>
<td>GEOG 487</td>
<td>Environmental Management and Law</td>
<td></td>
</tr>
<tr>
<td>ECON 390</td>
<td>Economics, Law, and Public Choice</td>
<td>3</td>
</tr>
<tr>
<td>MGT 200</td>
<td>Legal Environment of Business</td>
<td></td>
</tr>
<tr>
<td>MGT 301</td>
<td>Business Law</td>
<td></td>
</tr>
<tr>
<td>BCOM 301</td>
<td>Mass Communication Law and Ethics</td>
<td>6</td>
</tr>
<tr>
<td>ECON 390</td>
<td>Economics, Law, and Public Choice</td>
<td></td>
</tr>
<tr>
<td>GEOG 487</td>
<td>Environmental Management and Law</td>
<td></td>
</tr>
<tr>
<td>HIST 430</td>
<td>History of the Civil Rights Movement in America</td>
<td></td>
</tr>
<tr>
<td>JOUR 301</td>
<td>Press Law and Ethics</td>
<td></td>
</tr>
<tr>
<td>MGT 200</td>
<td>Legal Environment of Business</td>
<td></td>
</tr>
<tr>
<td>MGT 400</td>
<td>Employment Law</td>
<td></td>
</tr>
<tr>
<td>PHIL 322</td>
<td>Biomedical Ethics</td>
<td></td>
</tr>
<tr>
<td>PHIL 323</td>
<td>Social Ethics</td>
<td></td>
</tr>
<tr>
<td>PHIL 350</td>
<td>Ethical Theory</td>
<td></td>
</tr>
<tr>
<td>PHIL 427</td>
<td>Philosophy of Law</td>
<td></td>
</tr>
<tr>
<td>PS 220</td>
<td>Judicial Process</td>
<td></td>
</tr>
<tr>
<td>PS 327</td>
<td>Civil Liberties</td>
<td></td>
</tr>
<tr>
<td>PS 338</td>
<td>Government and Ethics</td>
<td></td>
</tr>
<tr>
<td>PSY 470</td>
<td>Psychology and Law</td>
<td></td>
</tr>
<tr>
<td>RELS 202</td>
<td>Racial Justice</td>
<td></td>
</tr>
<tr>
<td>CRIM 330</td>
<td>Criminology</td>
<td></td>
</tr>
<tr>
<td>CRIM 332</td>
<td>Juvenile Delinquency</td>
<td></td>
</tr>
<tr>
<td>CRIM 346</td>
<td>Special Topics in Criminology</td>
<td></td>
</tr>
<tr>
<td>CRIM 432</td>
<td>Sociology of Criminal Law</td>
<td></td>
</tr>
</tbody>
</table>

Select a three-credit service-learning component in consultation with the program director

Total Hours: 24
The minor requires seven courses, for a total of 21 credit hours. Students minoring in REES 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUSS 101</td>
<td>Elementary Russian I</td>
<td>3</td>
</tr>
<tr>
<td>RUSS 102</td>
<td>Elementary Russian II</td>
<td>3</td>
</tr>
<tr>
<td>RUSS 201</td>
<td>Intermediate Russian I</td>
<td>3</td>
</tr>
<tr>
<td>RUSS 202</td>
<td>Intermediate Russian II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Hours</td>
<td>21</td>
</tr>
</tbody>
</table>

1. Courses in this category must represent at least two different 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.
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. 143)
• Film, Bachelor of Arts (667P, 667) (p. 145)
• Journalism, Bachelor of Arts (736P, 736) (p. 146)
• Photojournalism, Bachelor of Arts (750P, 750) (p. 147)

Minors
• Broadcasting, Minor (330) (p. 144)
• Journalism Writing, Minor (419) (p. 146)
• Photojournalism, Minor (433) (p. 148)

Faculty
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: SJB 101, SJB 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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/colonnade/colonnaderequirements.php.

### Required Courses for a major in Broadcasting:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SJB 101</td>
<td>Understanding Media Content, Ethics and Technology</td>
<td>3</td>
</tr>
<tr>
<td>SJB 102</td>
<td>Media Content, Collaboration and Community</td>
<td>3</td>
</tr>
<tr>
<td>BCOM 266</td>
<td>Basic Television Production</td>
<td>3</td>
</tr>
<tr>
<td>BCOM 301</td>
<td>Mass Communication Law and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>BCOM 366</td>
<td>Editing I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Writing Elective:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCOM 265</td>
<td>Basic Broadcast News</td>
<td>3</td>
</tr>
<tr>
<td>or BCOM 325</td>
<td>Survey of Electronic Media Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Diversity Elective:**

Select one of the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 448</td>
<td>Visual Anthropology</td>
</tr>
<tr>
<td>COMM 463</td>
<td>Advanced Intercultural Communication</td>
</tr>
<tr>
<td>CRIM 446</td>
<td>Gender, Crime, and Justice</td>
</tr>
<tr>
<td>FLK 330</td>
<td>Cultural Connections and Diversity</td>
</tr>
<tr>
<td>SJB 310</td>
<td>Media Diversity</td>
</tr>
<tr>
<td>SOCL 355</td>
<td>Sociology of Gender</td>
</tr>
<tr>
<td>SOCL 362</td>
<td>Social Institutions: Race, Class, and Gender</td>
</tr>
<tr>
<td>SPAN 345</td>
<td>Topics in Spanish</td>
</tr>
</tbody>
</table>

A diversity class approved by an academic advisor.

**Capstone Experience:**

Select one course from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCOM 465</td>
<td>Advanced Broadcast News</td>
<td>3</td>
</tr>
<tr>
<td>BCOM 482</td>
<td>Television Program Production</td>
<td>3</td>
</tr>
<tr>
<td>BCOM 491</td>
<td>Internship</td>
<td>3</td>
</tr>
<tr>
<td>SJB 402</td>
<td>First Amendment Research and Reporting</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives:**

Select 18 additional hours, including at least 12 upper-division hours, from the following list:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCOM 261</td>
<td>Basic Radio Production</td>
<td>3</td>
</tr>
<tr>
<td>BCOM 265</td>
<td>Basic Broadcast News</td>
<td>3</td>
</tr>
<tr>
<td>BCOM 300</td>
<td>American Popular Arts</td>
<td>3</td>
</tr>
<tr>
<td>BCOM 303</td>
<td>Acting for the Camera</td>
<td>3</td>
</tr>
<tr>
<td>BCOM 325</td>
<td>Survey of Electronic Media Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

### Total Hours

**Total Hours: 45**

---

**Finish in Four Plan**

*Broadcasting: https://www.wku.edu/degreepaths/19-20/documents/pcal/broadcasting_726.pdf*
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, Bachelor of Arts (667P, 667)**

Program Coordinator
Travis A. Newton, travis.newton@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.

Students seeking admission to the Film major may choose from the following courses: FILM 100, FILM 155, FILM 201, FILM 202, FILM 250, BCOM 366, FILM 369. 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 (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.

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 42 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. 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 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FILM 100</td>
<td>Film Industry and Aesthetics</td>
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</tr>
<tr>
<td>FILM 155</td>
<td>Film Attendance</td>
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</tr>
<tr>
<td>FILM 201</td>
<td>Introduction to the Cinema</td>
<td>3</td>
</tr>
<tr>
<td>FILM 202</td>
<td>Basic Film Production</td>
<td>3</td>
</tr>
<tr>
<td>FILM 250</td>
<td>Screenwriting</td>
<td>3</td>
</tr>
<tr>
<td>FILM 282</td>
<td>Film Production Workshop I</td>
<td>3</td>
</tr>
<tr>
<td>FILM 369</td>
<td>Introduction to World Cinema</td>
<td>3</td>
</tr>
<tr>
<td>FILM 382</td>
<td>Film Production Workshop II</td>
<td>3</td>
</tr>
<tr>
<td>FILM 486</td>
<td>Film Studies Capstone</td>
<td>3</td>
</tr>
<tr>
<td>BCOM 366</td>
<td>Editing I</td>
<td>3</td>
</tr>
</tbody>
</table>

Select five of the following courses, including at least two in the Film Studies category and two in the Film Production category

**Film Studies:**

- ANTH 448 Visual Anthropology
- BCOM 481 Problems in Mass Communication
- FILM 399 Special Topics in Film
- 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
- FILM 469 Topics in World Cinema
- FREN 450 Topics in Francophone Cinema
- GERM 437 German Literature and Film
- PS 303 Politics and Film
- SPAN 490 Hispanic Cinema
- SUS 295 Popular Culture and Gender: Signs & Narratives

**Film Production:**

- FILM 376 Cinematography
- FILM 377 Film Sound
- FILM 378 Film Directing
- FILM 379 Film Producing
- FILM 450 Feature Writing
- FILM 482 Film Production Workshop III
- BCOM 378 Film Animation
- BCOM 380 Editing II
- BCOM 480 Editing III
- PJ 231 Introduction to Photojournalism
- PJ 330 Introduction to Short Form Documentary
- PERF 101 Acting
- THEA/BCOM 303 Acting for the Camera

Total Hours 42

1 Other courses may be approved as a restricted elective upon approval of the faculty advisor in the major and the program coordinator.
Journalism Writing, Minor (419)

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SJB 101</td>
<td>Understanding Media Content, Ethics and Technology</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 202</td>
<td>Introduction to News Writing</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 301</td>
<td>Press Law and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 302</td>
<td>Intermediate Reporting</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 325</td>
<td>Feature Writing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select two of the following:</td>
<td>6</td>
</tr>
<tr>
<td>JOUR 323</td>
<td>Multiplatform News Presentation</td>
<td></td>
</tr>
<tr>
<td>JOUR 426</td>
<td>Advanced Reporting</td>
<td></td>
</tr>
<tr>
<td>JOUR 467</td>
<td>News / Editorial Internship Practicum</td>
<td></td>
</tr>
<tr>
<td>ENG 311</td>
<td>Creative Nonfiction Writing</td>
<td></td>
</tr>
<tr>
<td>ENG 402</td>
<td>Editing and Publishing</td>
<td></td>
</tr>
<tr>
<td>ENG 403</td>
<td>Writing Memoir and Autobiography</td>
<td></td>
</tr>
<tr>
<td>FLK 373</td>
<td>Folklore and the Media</td>
<td></td>
</tr>
<tr>
<td>SJB 310</td>
<td>Media Diversity</td>
<td></td>
</tr>
<tr>
<td>BCOM 325</td>
<td>Survey of Electronic Media Writing</td>
<td></td>
</tr>
</tbody>
</table>

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.

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: SJB 101, SJB 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.

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SJB 101</td>
<td>Understanding Media Content, Ethics and Technology</td>
<td>3</td>
</tr>
<tr>
<td>SJB 102</td>
<td>Media Content, Collaboration and Community</td>
<td>3</td>
</tr>
<tr>
<td>SJB 210</td>
<td>Software Studio</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 202</td>
<td>Introduction to News Writing</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 301</td>
<td>Press Law and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 302</td>
<td>Intermediate Reporting</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 323</td>
<td>Multiplatform News Presentation</td>
<td>3</td>
</tr>
</tbody>
</table>
Feature Writing
PJ 131  Introduction to Digital Photography 3
PJ 261  Introduction to Multimedia 3
BCOM 264  Digital Video Production and Distribution 3

Diversity Elective
Select one from the following: 3
- SJB 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
- SJB 402  First Amendment Research and Reporting

Elective
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
- SJB 330  Interactive Design
- SJB 421  American News Media History

Total Hours 42

Finish in Four Plan
Sample Degree Path: http://wk.edu/degreepaths/19-20/documents/pcal/journalism_736.pdf

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 24 out of 29 years, and the Multimedia competition 7 out of 8 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 general education;
4. Completion of the following courses with a grade of "C" or better: SJB 101, SJB 102, PJ 231, and PJ 233.

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 without special permission.

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.

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. 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 Colonnade requirements.

In addition to meeting the institutional requirements for graduation, the Photojournalism 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.

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 journalism program, and has contributed greatly to the high quality of the University student publication, The College Heights Herald. In spring 2014, WKU won the Hearst Journalism Awards Intercollegiate Multimedia...
Championship and the Photojournalism Championship. WKU placed second overall in the 2014 Hearst Journalism Awards – continuing a 21-year tradition of ranking among the top eight nationally.

The photojournalism program emphasizes documentary photography, with a curriculum designed to prepare students to produce content-driven images for paper and electronic publications.

Specific objectives of the photojournalism program:

1. To develop the artistic, technical and personal qualities of those who pursue a professional career in photojournalism and multimedia;
2. To develop a background for understanding the role of photojournalism in shaping and reflecting contemporary society;
3. To provide instruction in photographic theory, principles, ethics and practice for the student in any area of scholarly pursuit where such knowledge is essential or desirable in improving his or her understanding and abilities;
4. To provide a conceptual grounding in journalistic principles that will encourage advancement of the photojournalist in the profession.

<table>
<thead>
<tr>
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<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SJB 101</td>
<td>Understanding Media Content, Ethics and Technology</td>
<td>3</td>
</tr>
<tr>
<td>SJB 102</td>
<td>Media Content, Collaboration and Community</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 202</td>
<td>Introduction to News Writing</td>
<td>3</td>
</tr>
<tr>
<td>PJ 231</td>
<td>Introduction to Photojournalism</td>
<td>3</td>
</tr>
<tr>
<td>PJ 233</td>
<td>Intermediate Photojournalism</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 302</td>
<td>Intermediate Reporting</td>
<td>3</td>
</tr>
<tr>
<td>PJ 330</td>
<td>Introduction to Short Form Documentary</td>
<td>3</td>
</tr>
<tr>
<td>PJ 332</td>
<td>Lighting Technologies</td>
<td>3</td>
</tr>
<tr>
<td>PJ 334</td>
<td>Picture Stories</td>
<td>3</td>
</tr>
<tr>
<td>PJ 335</td>
<td>Advanced Short Form Documentary</td>
<td>3</td>
</tr>
<tr>
<td>PJ 336</td>
<td>Photojournalism Projects</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following law classes:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>JOUR 301</td>
<td>Press Law and Ethics</td>
<td></td>
</tr>
<tr>
<td>BCOM 301</td>
<td>Mass Communication Law and Ethics</td>
<td></td>
</tr>
</tbody>
</table>

Diversity Elective
Select one of the following: | 3 |
| SJB 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                              |       |

A diversity class approved by an academic advisor.

Restricted Electives
Select two of the following: | 6 |
| JOUR 323 | Multiplatform News Presentation                |       |

Code | Title                                           | Hours |
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>JOUR 325</td>
<td>Feature Writing</td>
<td></td>
</tr>
<tr>
<td>FILM 376</td>
<td>Cinematography</td>
<td></td>
</tr>
<tr>
<td>FILM 377</td>
<td>Film Sound</td>
<td></td>
</tr>
<tr>
<td>PJ 336</td>
<td>Picture Editing</td>
<td></td>
</tr>
<tr>
<td>PJ 390</td>
<td>Cultural History of Photography</td>
<td></td>
</tr>
<tr>
<td>PJ 432</td>
<td>Photojournalism Practicum</td>
<td></td>
</tr>
<tr>
<td>PJ 439</td>
<td>Advanced Studio Lighting Techniques</td>
<td></td>
</tr>
<tr>
<td>SJB 402</td>
<td>First Amendment Research and Reporting</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours | 45 |

1 Approved by departmental faculty advisor and taken during sophomore year.

Finish in Four Plan
Sample Degree Path: http://wku.edu/degreepaths/19-20/documents/pcal/photojournalism_750.pdf

Photojournalism, Minor (433) 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 two electives in the minor that will enable students to further apply the foundational principles established in the five core courses. Additional electives within the School of Media can be taken in place of one of the electives below with Photojournalism faculty permission.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PJ 231</td>
<td>Introduction to Photojournalism</td>
<td>3</td>
</tr>
<tr>
<td>PJ 233</td>
<td>Intermediate Photojournalism</td>
<td>3</td>
</tr>
<tr>
<td>PJ 332</td>
<td>Lighting Technologies</td>
<td>3</td>
</tr>
<tr>
<td>PJ 334</td>
<td>Picture Stories</td>
<td>3</td>
</tr>
<tr>
<td>PJ 390</td>
<td>Cultural History of Photography</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two of the following: | 6 |
| PJ 334 | Picture Stories                                |       |
| PJ 439 | Advanced Studio Lighting Techniques            |       |
| SJB 330 | Interactive Design                             |       |

Total Hours | 21 |

Western Kentucky University – 2019-20 Undergraduate Catalog
GORDON FORD COLLEGE OF BUSINESS

Grise Hall, Office 445
Phone: (270) 745-6311
Email: gfcb@wku.edu
Website: http://www.wku.edu/business

Dr. Christopher Shook, Dean
Email: Christopher.Shook@wku.edu

Dr. Evelyn H. Thrasher, Interim Associate Dean
Email: Evelyn.Thrasher@wku.edu (evelyn.thrasher@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.

Mission

The mission of the Gordon Ford College of Business is to actively support and engage students, faculty, staff, and community in academic and lifelong professional development, providing the foundation needed to lead in today's diverse business environments.

Undergraduate Student Services and Academic Advising

Pat Jordan, Coordinator
Grise Hall 449
(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 449; 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

Kirk Atkinson, Director
Grise Hall 229
(270) 745-5408
www.wku.edu/information-systems/cada.php

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 423
(270) 745-3970
http://wkuappliedeconomics.org/

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 Entrepreneurship and Innovation (CEI)

Dr. Whitney Peake, Director
Grise Hall 234
(270) 745-4142
entrepreneurship@wku.edu
www.wku.edu/cei

The mission of the Center for Entrepreneurship & Innovation is to increase and develop entrepreneurial students through engaged learning.
by enhancing connections across campus, and in strengthening community relationships.

Making Connections to and for Entrepreneurial Students!

Center for Financial Success
Andrew Head, Director
Grise Hall 324
(270) 745-3425
financialsuccess@wku.edu
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 Leadership Excellence
Cecile Garmon, Director
Grise Hall 128
(270) 745-6673
cecile.garmon@wku.edu
www.wku.edu/leadershipcenter

As the business culture becomes more global, more sophisticated, and more competitive, the need for insightful and innovative leadership strategies is more important than ever. The Center for Leadership Excellence in the Gordon Ford College of Business at WKU is committed to providing a world-class center for leadership development practices and research information.

The Center will move beyond the methods and styles (the what) used by leadership in the past and the present to the reasons behind those successful strategies (the why) and identify contexts and circumstances in which strategies can be most successful.

Mission
The Center for Leadership Excellence (CLE) serves as a resource that advances the understanding and applications of leadership in contemporary society.

Vision
An active and vibrant community that develops, enhances, promotes, and advances leadership adapted to diverse contexts.

Purpose
Serve as a preferred resource and depository for leadership information and application.

- Work collaboratively across WKU, with other universities, and with external organizations.
- Provide outreach for leadership and followership development.
- Evaluate results of leadership action and recommend continued development of strong, positive, and diverse leadership behaviors.
- Cultivate networks of mutually interested and involved parties through leadership activities.

Goals
- Train
- Research
- Support external/internal constituents
- Provide professional development
- Maintain a university-wide, interdisciplinary focus and area of work

Strategies
- Promote leader-follower relationships

Center for Professional Selling
Lukas Forbes, Director
(270) 745-2993
lukas.forbes@wku.edu
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
Brian Strow, Director
(270) 745-7082
brian.strow@wku.edu
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.

**Enrollment Policy for Upper-Division Courses**

To enroll in upper-division accounting courses, students must have a 2.0 grade point average. To enroll in upper-division business courses other than accounting, students must have a minimum of 60 earned hours and a 2.0 overall grade point average. Enrollment in all upper-division business courses is limited to a maximum of 12 credit hours for students not admitted to one of the baccalaureate programs in the Gordon Ford College of Business. A complete set of regulations concerning enrollment in the Gordon Ford College is available in the Undergraduate Student Services and Academic Advising Center (Grise Hall 449).

**Accounting Majors**

Students interested in pursuing a major in Accounting must complete ACCT 200 and ACCT 201 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 200 and ACCT 201.

**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 earned a minimum of 60 semester hours, and met the prerequisites for the course(s).

**Appeals and Requests for Exception**

Requests for exception to the enrollment and/or admission policies for the Gordon Ford College must be submitted in writing to the Gordon Ford College of Business Admissions and Appeals Committee.

**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 449) 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.

Introductory courses in accounting (6 hours), economics (6 hours), statistics (3 hours) and an introductory computer course with microcomputer applications (3 hours) taken at accredited schools are readily transferable to Gordon Ford College of Business programs. Courses in linear mathematics (3 hours) and calculus (4 hours) are also generally transferable to Gordon Ford College of Business programs.

Most Bachelor of Science programs in the Gordon Ford College of Business are structured as shown below:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Colonnade Program</td>
<td>39</td>
</tr>
<tr>
<td></td>
<td>Professional Core (Includes 6 Colonnade hours)</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>Advanced major and elective courses</td>
<td>39</td>
</tr>
<tr>
<td></td>
<td>Total Hours</td>
<td>120</td>
</tr>
</tbody>
</table>

- Department of Accounting (p. 152)
  - Accounting, Bachelor of Science (602P, 602) (p. 152)
- Department of Economics (p. 154)
  - Business Economics, Bachelor of Science (724P, 724) (p. 155)
  - Economics, Bachelor of Arts (638P, 638) (p. 156)
  - Economics, Minor (356) (p. 157)
  - Mathematical Economics, Bachelor of Science (731P, 731) (p. 157)
- Department of Finance (p. 158)
  - Finance, Bachelor of Science (664P, 664) (p. 158)
  - Finance, Minor (357) (p. 161)
  - Financial Planning, Certificate (200) (p. 161)
- Department of Information Systems (p. 161)
  - Applied Data Analytics, Certificate (1734) (p. 162)
  - Business Data Analytics, Bachelor of Science (504P, 504) (p. 162)
  - Computer Information Systems, Minor (347) (p. 163)
- Department of Management (p. 163)
  - Business Administration, Minor (332) (p. 164)
  - Entrepreneurship, Bachelor of Science (542P, 542) (p. 164)
  - Entrepreneurship, Minor (355) (p. 165)
  - International Business, Bachelor of Science (569P, 569) (p. 166)
  - International Business, Minor (333) (p. 167)
  - Management, Bachelor of Science (723P, 723) (p. 168)
- Department of Marketing (p. 170)
  - Marketing, Bachelor of Science (720P, 720) (p. 170)
  - Marketing, Minor (413) (p. 172)
  - Sales, Minor (452) (p. 172)
- Interdisciplinary Programs (p. 172)
  - Advanced Professionalism, Certificate (1730) (p. 172)

**Finish in Four Plans**
Department of 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 Introduction to Accounting - Managerial ACCT 201, and Intermediate Accounting I 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 (602P, 602) (p. 152)

Faculty
Professor
Yining Chen PhD (Business Administration), University of South Carolina - Columbia, 1993
Steve C. Wells PhD (Accountancy), University of Mississippi, 1994

Associate Professor
Stacy R. Bibelhauser PhD (Business Administration), University of Kentucky, 2004
Minwoo Lee PhD (Business Administration), University of Pitts Pittsburgh Camp, 1993
Mark T. Ross PhD (Business Administration, Finance), University of Arizona, 1996

Assistant Professor
Jason M. Bergner PhD (Business Administration), University of Kentucky, 2011
Allen K. Hunt PhD (Accounting), Louisiana State University & A&M College, 2001
Charles O. Kile PhD (Business Administration), Washington University, 1993
Melloney C. Simerly PhD (Business, Accounting), Virginia Commonwealth University, 2015

Executive-In-Residence
Richard A. Callahan MS (Accounting), University of Kentucky, 1974

Pedagogical Assistant Professor
Kristine D. Barron MBA (Business Administration), University of Texas at Dallas, 2013

Accounting, Bachelor of Science (602P, 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:

- 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 accounting programs at WKU focus on developing the communication, problem-solving, team building, and technical competencies.
- 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) the AP test 3hrs credit for our ACCT 200 course. WKU is among very few institutions in the U.S. offering this service to students!

Admission Requirements

To gain admission to the Accounting Program, students must have:

1. earned a minimum of 60 hours;
2. completed ACCT 200, ACCT 201; CIS 141; ECON 202, ECON 203, ECON 206; MATH 123 or any calculus class or a Math ACT of at least 26 or a Math SAT of at least 610; and COMM 145 with a minimum grade point average of 2.5 in the course listed above; and
3. a minimum overall GPA of 2.5. Students with lower than a 2.5 grade point average that includes 12 hours of upper-division business courses will be allowed to take only those upper-division courses in the Gordon Ford College of Business they are repeating. Repeating a course will not be considered to violate the enrollment policy restricting upper-division courses to 12 hours before admission.

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.

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 students desiring to major in accounting must complete the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT</td>
<td>Introductory Accounting—Financial</td>
<td>3</td>
</tr>
<tr>
<td>ACCT</td>
<td>Introductory Accounting-Managerial</td>
<td>3</td>
</tr>
<tr>
<td>ACCT</td>
<td>Intermediate Financial Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT</td>
<td>Intermediate Financial Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT</td>
<td>Intermediate Financial Accounting III</td>
<td>3</td>
</tr>
<tr>
<td>ACCT</td>
<td>Managerial Cost Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT</td>
<td>Accounting Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ACCT</td>
<td>Federal Taxation – Individuals</td>
<td>3</td>
</tr>
<tr>
<td>ACCT</td>
<td>Auditing and Assurance Services</td>
<td>3</td>
</tr>
<tr>
<td>ACCT</td>
<td>Senior Assessment in Accounting</td>
<td>1</td>
</tr>
<tr>
<td>ACCT</td>
<td>Business Combinations and Related Topics</td>
<td>3</td>
</tr>
<tr>
<td>ACCT</td>
<td>Governmental and Not for Profit Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT</td>
<td>Federal Taxation – Business Entities</td>
<td>3</td>
</tr>
</tbody>
</table>

College

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS</td>
<td>Basic Computer Literacy</td>
<td>3</td>
</tr>
<tr>
<td>ECON</td>
<td>Principles of Economics (Micro)</td>
<td>3</td>
</tr>
<tr>
<td>ECON</td>
<td>Principles of Economics (Macro)</td>
<td>3</td>
</tr>
<tr>
<td>ECON</td>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>CIS</td>
<td>Principles of MIS</td>
<td>3</td>
</tr>
<tr>
<td>MGT</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT</td>
<td>Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT</td>
<td>Decision Modeling</td>
<td>3</td>
</tr>
<tr>
<td>ECON</td>
<td>Statistical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ECON</td>
<td>Financial Data Modeling</td>
<td>3</td>
</tr>
<tr>
<td>MKT</td>
<td>Basic Marketing Concepts</td>
<td>3</td>
</tr>
<tr>
<td>MGT</td>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>FIN</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT</td>
<td>Strategy and Policy</td>
<td>3</td>
</tr>
<tr>
<td>COMM</td>
<td>Advanced Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>ENG</td>
<td>Business Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

Any upper-division courses offered in the Gordon Ford College of Business ¹

| Total Hours | 73 |

¹ except ACCT 330, BA 490, CIS 369, ECON 490, ENT 490, FIN 449, MGT 490, and MKT 490

Any students seeking to enroll in ACCT 300 must have completed ACCT 200 with a grade of “B” or better. A student seeking to enroll in ACCT 301 and/or ACCT 310 must have completed ACCT 200 and ACCT 201 with grades of “B” or better. Except for ACCT 300, ACCT 301, and ACCT 310, students must be admitted to the Accounting Program to enroll in upper-level accounting courses. Accounting majors must earn a
grade of “C” or better in ACCT 300, ACCT 301, ACCT 303, ACCT 310, and ACCT 312 and other courses when used as prerequisites for succeeding courses. For example, an accounting major must earn at least the grade of “C” in ACCT 300 before enrolling in ACCT 301. Also, accounting majors are allowed to repeat an upper-division accounting course only once, even if they received a “W” on the first attempt. Exceptions to this policy will be considered only in extenuating circumstances.

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.

Admission requires the completion of certain pre-professional courses and the attainment of a grade point average (GPA) of at least 2.5 in those courses.

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 Plan


Department of Economics

Dr. Alex Lebedinsky, Chair
Email: Alex.Lebedinsky@wku.edu (Cathy.Carey@wku.edu)
Grise Hall, Office 431
Phone: (270) 745-2249; Fax: (270) 745-3190
Email: ECON@wku.edu
Website: 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 34 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 73 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, information systems, management, marketing, and computer information system. 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
To be eligible for the Economics JUMP program, a student must meet the requirements by completing only 138 credit hours. For more information, see https://www.wku.edu/mae/jump.php.

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). Student 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 and 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 (724P, 724) (p. 155)
- Economics, Bachelor of Arts (638P, 638) (p. 156)
- Mathematical Economics, Bachelor of Science (731P, 731) (p. 157)

Minor

- Economics, Minor (356) (p. 157)

Faculty

Professor

Brian L. Goff PhD (Economics), George Mason University, 1986
Hak Y. Kim PhD (Economics), University of Cincinnati Main Campus, 1982
Alexander G. Lebedinsky PhD (Economics), Georgetown University, 2004
Brian K. Strow PhD (Economics), Vanderbilt University, 2000
Claudia W. Strow PhD (Economics), Vanderbilt University, 2002
Michelle W. Trawick PhD (Economics, Statistics), North Carolina State University, 1996
Dennis P. Wilson PhD (Economics), University of Kentucky, 1999
David M. Zimmer PhD (Economics), Indiana University-Bloomington, 2004

Associate Professor

Susane Leguizamon PhD (Economics), West Virginia University, 2010

Assistant Professor

Christopher J. Biolsi PhD (Economics), University of Houston, 2015
Jacob P. Byl PhD (Law and Economics), Vanderbilt University, 2015
Juan S. Leguizamon PhD (Economics), West Virginia University, 2011
Stephen L. Locke PhD (Economics), University of Kentucky, 2013

Visiting Assistant Professor

Golnaz Baradaran Motie PhD (Business & Economics), West Virginia University, 2018

Business Economics, Bachelor of Science (724P, 724)

Program Coordinator

Alexander G. Lebedinsky, alex.lebedinsky@wku.edu, (270) 745-3150

The BS in Business Economics requires 73 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, information systems, management, marketing, and computer information system. 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.

Admission Requirements

To gain admission to the Business Economics Program, students must have:

1. earned a minimum of 60 hours.
2. completed ACCT 200 and ACCT 201, CIS 141, ECON 202, ECON 203, and ECON 206, MATH 123 or any calculus class or a Math ACT of
at least 26 or a Math SAT of at least 610, and COMM 145 with a minimum grade point average of 2.5 in the courses listed above.
3. earned a minimum overall GPA of 2.5.

Students may take up to 12 hours of upper-level business courses prior to admission to the College. Students with lower than a 2.5 grade point average that includes 12 hours of upper-division business courses will be allowed to take only those upper-division courses in the Gordon Ford College of Business they are repeating. Repeating a course will not be considered a violation of the enrollment policy restricting upper division courses to 12 hours prior to admission.

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.

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 business economics requires a total of 120 credit hours with 73 hours in professional and elective courses and leads to a Bachelor of Science degree. No minor or second major is required.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ACCT 200</td>
<td>Introductory Accounting—Financial</td>
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<tr>
<td>ACCT 201</td>
<td>Introductory Accounting-Managerial</td>
<td>3</td>
</tr>
<tr>
<td>CIS 141</td>
<td>Basic Computer Literacy</td>
<td>3</td>
</tr>
<tr>
<td>CIS 243</td>
<td>Principles of MIS</td>
<td>3</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics (Micro)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 203</td>
<td>Principles of Economics (Macro)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 206</td>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 330</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 200</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 210</td>
<td>Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 314</td>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 498</td>
<td>Strategy and Policy</td>
<td>3</td>
</tr>
<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
<td>3</td>
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</table>

Economics Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ECON 302</td>
<td>Microeconomic Theory</td>
<td>3</td>
</tr>
<tr>
<td>ECON 303</td>
<td>Macroeconomic Theory</td>
<td>3</td>
</tr>
<tr>
<td>ECON 306</td>
<td>Statistical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 307</td>
<td>Financial Data Modeling</td>
<td></td>
</tr>
<tr>
<td>ECON 414</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 465</td>
<td>Regression and Econometric Analysis</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 480</td>
<td>Economic Forecasting</td>
<td></td>
</tr>
<tr>
<td>ECON 499</td>
<td>Senior Assessment</td>
<td>1</td>
</tr>
</tbody>
</table>

Select 15 hours of additional economics courses 15
Select an approved 3-hour upper-division business elective 3
Total Hours 73

Finish in Four Plan

Economics, Bachelor of Arts (638P, 638)

Program Coordinator
Alexander G. Lebedinsky, alex.lebedinsky@wku.edu, (270) 745-3150

The AB in Economics requires a minimum of 34 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.

Admission Requirements
Admission to the economics major requires:
1. Completion of MATH 123 or any calculus class or a MATH ACT of at least 26 or a Math SAT of at least 610; ECON 202, ECON 203, and ECON 206 and CIS 141 with a minimum GPA of 2.0 in the courses listed.
2. Completion of a minimum of 60 semester hours with a minimum GPA of 2.0
3. Completion of a minimum of 12 hours at Western Kentucky University with a minimum WKU GPA of 2.0.

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.

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 34 hours in economics and leads to a Bachelor of Arts degree. The program requires completion of a second major or a minor.

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<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>ECON 202</td>
<td>Principles of Economics (Micro)</td>
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</tr>
<tr>
<td>ECON 203</td>
<td>Principles of Economics (Macro)</td>
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<tr>
<td>ECON 206</td>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 302</td>
<td>Microeconomic Theory</td>
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<tr>
<td>ECON 303</td>
<td>Macroeconomic Theory</td>
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</tr>
<tr>
<td>ECON 465</td>
<td>Regression and Econometric Analysis</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 480</td>
<td>Economic Forecasting</td>
<td></td>
</tr>
<tr>
<td>ECON 499</td>
<td>Senior Assessment</td>
<td>1</td>
</tr>
</tbody>
</table>

Additional Courses
Select 12 hours in other 300 and 400 level economics courses 12
Analysis, 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). Student 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.

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.

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, 12 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

<table>
<thead>
<tr>
<th>Code</th>
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<td>Principles of Economics (Macro)</td>
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<tr>
<td>ECON 206</td>
<td>Statistics</td>
<td>3</td>
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<tr>
<td>ECON 207</td>
<td>Intermediate Probability and Applied Statistics</td>
<td>3</td>
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<tr>
<td>ECON 208</td>
<td>Microeconomic Theory</td>
<td>3</td>
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<td>ECON 209</td>
<td>Macroeconomic Theory</td>
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</tr>
<tr>
<td>ECON 301</td>
<td>ECON 302, ECON 303, ECON 304</td>
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Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ECON 465</td>
<td>Regression and Econometric Analysis</td>
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<tr>
<td>ECON 480</td>
<td>Economic Forecasting</td>
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<td>STAT 401</td>
<td>Regression Analysis</td>
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<tr>
<td>MATH 136</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 137</td>
<td>Calculus II</td>
<td>4</td>
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</table>
Additionally, majors must choose a concentration in either General Mathematical Economics or Actuarial Science.

### General Mathematical Economics Concentration

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>ECON 306</td>
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<tr>
<td>or ECON 307</td>
<td>Financial Data Modeling</td>
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<tr>
<td>ECON 464</td>
<td>Introduction to Mathematical Economics</td>
<td>3</td>
</tr>
<tr>
<td>Select 3 hours of 300- and 400-level economics electives</td>
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</tr>
<tr>
<td>MATH 331</td>
<td>Differential Equations</td>
<td>3</td>
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<tr>
<td>or MATH 310</td>
<td>Introduction to Discrete Mathematics</td>
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<tr>
<td>Select one of the following:</td>
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<td></td>
</tr>
<tr>
<td>MATH 331</td>
<td>Differential Equations</td>
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<tr>
<td>MATH 310</td>
<td>Introduction to Discrete Mathematics</td>
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<tr>
<td>MATH 305</td>
<td>Introduction to Mathematical Modeling</td>
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<tr>
<td>MATH 382</td>
<td>Probability and Statistics I</td>
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<tr>
<td>MATH 435</td>
<td>Partial Differential Equations</td>
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<td>MATH 405</td>
<td>Numerical Analysis I</td>
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<td>Total Hours</td>
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### Actuarial Science Concentration

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>ECON 307</td>
<td>Financial Data Modeling</td>
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<tr>
<td>MATH 310</td>
<td>Introduction to Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 382</td>
<td>Probability and Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 482</td>
<td>Probability and Statistics II</td>
<td>3</td>
</tr>
<tr>
<td>FIN 330</td>
<td>Principles of Finance</td>
<td>3</td>
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<tr>
<td>FIN 332</td>
<td>Investment Theory</td>
<td>3</td>
</tr>
<tr>
<td>FIN 350</td>
<td>Risk Management and Insurance</td>
<td>3</td>
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<td>FIN 437</td>
<td>Corporate Asset Management</td>
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</tr>
<tr>
<td>CS 170</td>
<td>Problem Solving and Programming</td>
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<tr>
<td>or CS 180</td>
<td>Computer Science I</td>
<td></td>
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<tr>
<td>Total Hours</td>
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<td>27</td>
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</table>

### Finish in Four Plan


### 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 a Certificate in Financial Planning (https://www.wku.edu/finance/financial-planning-certificate.php). This opportunity is available to current students and individuals that already hold an undergraduate degree.

Business Finance focuses on decisions within corporations and financial institutions, whereas Financial Planning concentrates on the various aspects of personal financial planning 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 2018, we are only one of 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 25 programs in the Tennessee Valley Authority (TVA) service region to be part of its Investment Challenge Program. (http://www.tvainvestmentchallenge.com) As of December 2018, the student-managed investment portfolio was valued at over $470,000! 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).

Admissions Requirements

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 head.

To gain admission to the Finance Program, a student must have:

1. earned a minimum of 60 hours;
2. completed ACCT 200 and ACCT 201, CIS 141, ECON 202, ECON 203, and ECON 206, MATH 123 or MATH 136, or MATH 137, or MATH 142 or MATH 237 or a Math ACT of at least 26 or a Math SAT of at least 610, FIN 300 and COMM 145 with a minimum grade point average of 2.5 in the courses listed above;
3. a minimum overall GPA of 2.5
4. Students with lower than a 2.5 grade point average that includes 12 hours of upper-division business courses will be allowed to take only those upper-division courses in the Gordon Ford College of Business they are repeating. Repeating a course will not be considered to violate the enrollment policy restricting upper-division courses to 12 hours prior to admission.

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. All finance students must complete FIN 300 prior to admission to the finance program. All finance majors will be required to participate in an assessment process in FIN 499 prior to graduation.

Program Requirements (73/79 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.

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 Finance Concentration

The Business Finance concentration requires 73 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. 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 200</td>
<td>Introductory Accounting—Financial</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 201</td>
<td>Introductory Accounting-Managerial</td>
<td>3</td>
</tr>
<tr>
<td>CIS 141</td>
<td>Basic Computer Literacy</td>
<td>3</td>
</tr>
<tr>
<td>CIS 243</td>
<td>Principles of MIS</td>
<td>3</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics (Micro)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 203</td>
<td>Principles of Economics (Macro)</td>
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<tr>
<td>ECON 206</td>
<td>Statistics</td>
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<tr>
<td>FIN 300</td>
<td>Career Readiness in Finance</td>
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<tr>
<td>FIN 330</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
<td>3</td>
</tr>
<tr>
<td>MGT 200</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 210</td>
<td>Organization and Management</td>
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<tr>
<td>MGT 314</td>
<td>Operations Management</td>
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</table>
ENT 496  Small Business Analysis and Strategy  3
or MGT 498
FIN 307  Financial Data Modeling  3
FIN 332  Investment Theory  3
FIN 433  Financial Markets and Institutions  3
FIN 436  International Financial Management  3
FIN 437  Corporate Asset Management  3
FIN 438  Corporate Funds Management  3
FIN 439  Security Analysis and Portfolio Management or FIN 449
FIN 499  Senior Assessment in Finance  0-1

Select one of the following:  3
FIN 435  Commercial Bank Management
MKT 323  Services Marketing
MKT 325  Personal Selling
ACCT 300  Intermediate Financial Accounting I
ACCT 330  Tax Planning for Investments
ACCT 430  Federal Taxation – Individuals
ACCT 440  Business Law for the Accounting Professional

Select 6 hours of upper level finance electives  6
Select 3 hours of business electives  3

Total Hours  73-74

Note: if FIN 300 is completed then FIN 499 is taken for zero credit hours

**Personal Financial Planning Concentration**

The Personal Financial Planning concentration requires 79 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.

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<thead>
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<th>Hours</th>
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<tbody>
<tr>
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<td>Introductory Accounting—Financial</td>
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<tr>
<td>ACCT 201</td>
<td>Introductory Accounting-Managerial</td>
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<tr>
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<td>FIN 330</td>
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<tr>
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</tr>
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<td>3</td>
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<tr>
<td>or MGT 498</td>
<td>Strategy and Policy</td>
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<td>ACCT 330</td>
<td>Tax Planning for Investments</td>
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<td>FIN 331</td>
<td>Applied Investments</td>
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<td>FIN 332</td>
<td>Investment Theory</td>
<td>3</td>
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<tr>
<td>FIN 350</td>
<td>Risk Management and Insurance</td>
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<td>FIN 400</td>
<td>Personal Financial Planning</td>
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<td>FIN 401</td>
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<td>ECON 307</td>
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<tr>
<td>ACCT 330</td>
<td>Tax Planning for Investments</td>
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<td>FIN 350</td>
<td>Risk Management and Insurance</td>
<td>3</td>
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<td>FIN 400</td>
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<td>FIN 437</td>
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<tr>
<td>FIN 444</td>
<td>Retirement Planning</td>
<td>3</td>
</tr>
<tr>
<td>FIN 445</td>
<td>Estate Planning</td>
<td>3</td>
</tr>
<tr>
<td>FIN 450</td>
<td>Financial Plan Development</td>
<td>3</td>
</tr>
<tr>
<td>FIN 439</td>
<td>Security Analysis and Portfolio Management</td>
<td>3</td>
</tr>
<tr>
<td>or FIN 449</td>
<td>Practicum in Portfolio Management</td>
<td></td>
</tr>
<tr>
<td>FIN 499</td>
<td>Senior Assessment in Finance</td>
<td>0-1</td>
</tr>
</tbody>
</table>

Select 3 hours of upper level finance electives  3

Total Hours  79-80

Note: if FIN 300 is completed then FIN 499 is taken for zero credit hours

**Finish in Four Plan**


Finance, Minor (357)

Program Requirements (27 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 330</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 12 hours of approved finance electives from 300 or 400 level finance courses 12

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 123</td>
<td>Mathematical Applications for Business 1</td>
<td>3</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics (Micro)</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 203</td>
<td>Principles of Economics (Macro)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 206</td>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 200</td>
<td>Introductory Accounting—Financial</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 27

1 Students must also 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) 745-2928

The certificate program in Financial Planning requires 24 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 following eight courses, the student receives a Certificate of Financial Planning from Western Kentucky University and fulfills the educational requirement to sit for the comprehensive CERTIFIED FINANCIAL PLANNER® (CFP®) exam. There may be additional course requirements for students not meeting prerequisites.

Western Kentucky University does not certify individuals to use the CFP®, Certified Financial PlannerTM, 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.

Certified Financial Planner Board of Standards Inc. owns the marks CFP®, CERTIFIED FINANCIAL PLANNERTM, and CFP (with flame logo)®, which it awards to individuals who successfully complete initial and ongoing certification requirements.

Department of Information Systems

Dr. Ray Blankenship, Chair
Email: Ray.Blankenship@wku.edu

Grise Hall, Office 200
Phone: (270) 745-5408; Fax: (270) 745-6376
Department Website: http://www.wku.edu/information-systems

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 IS 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

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 Information Systems department 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 (504P, 504) (p. 162)

Minor
- Computer Information Systems, Minor (347) (p. 163)

Certificate
- Applied Data Analytics, Certificate (1734) (p. 162)

Faculty

Professor
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
**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 12 hours of core courses and 6 hours of advisor approved upper division courses. The approved electives may be from the Gordon Ford College of Business or any other college.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 243</td>
<td>Principles of MIS</td>
<td>3</td>
</tr>
<tr>
<td>ECON 206</td>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>BDAN 310</td>
<td>Business Data Analytics</td>
<td>3</td>
</tr>
<tr>
<td>BDAN 330</td>
<td>Structured Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td>Select 6 hours of electives</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>

1 Courses in this area may include additional Business Data Analytics courses or departmental advisor approved electives. Approved electives would be those courses that have a strong data analysis focus. Examples would include: ECON 465, MKT 421, GISC 317.

**Business Data Analytics, Bachelor of Science (504P, 504)**

**Program Coordinator**
Ray Blankenship, ray.blankenship@wku.edu, (270) 745-5952

The Business Data Analytics major requires 72 semester hours and is designed to prepare students for professional careers using a data analytics focused approach to control, support, and enhance business operations and functions. Global business is increasingly relying on the acquisition, deployment, and management of information systems and services for use in organizational processes which is resulting in an increasing need for information workers. The business data analytics major will provide students with a solid business foundation combined with relevant study of modern technology trends and the impact information systems are having throughout business and society. As demand for computer and information processing services continues to increase, so does the need for hybrid business technology roles. This major will help strengthen the knowledge economy in Kentucky and increase the availability of information workers critical to attracting and retaining corporate interests in the state.

**Admission Requirements**

Students are required to meet all admission requirements for the Gordon Ford College of Business.

To gain admission to the Business Data Analytics Program, students must have:

1. earned a minimum of 60 hours.
2. completed ACCT 200 and ACCT 201, CIS 141, ECON 202, ECON 203, and ECON 206, MATH 123 or any calculus class or a Math ACT of at least 26 or a Math SAT of at least 610, and COMM 145;
3. earned an overall WKU GPA of 2.5 or above;
4. achieved a GPA of 2.5 or above in the following six classes: ACCT 201, CIS 141, ECON 203, ECON 206, MATH 123 or any calculus class or a Math ACT of at least 26 or a Math SAT of at least 610, and COMM 145.

Students with lower than a 2.5 grade point average that includes 12 hours of upper-division business courses will be allowed to take only those upper-division courses in the Gordon Ford College of Business they are repeating. Repeating a course will not be considered to violate the enrollment policy restricting upper division courses to 12 hours prior to admission.

**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.

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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 123</td>
<td>Mathematical Applications for Business (or any calculus class or a Math ACT of at least 26 or a Math SAT of at least 610)</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 200</td>
<td>Introductory Accounting—Financial</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 201</td>
<td>Introductory Accounting-Managerial</td>
<td>3</td>
</tr>
<tr>
<td>CIS 141</td>
<td>Basic Computer Literacy</td>
<td>3</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics (Micro)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 203</td>
<td>Principles of Economics (Macro)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 206</td>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>CIS 243</td>
<td>Principles of MIS</td>
<td>3</td>
</tr>
<tr>
<td>FIN 330</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
<td>3</td>
</tr>
<tr>
<td>MGT 200</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 210</td>
<td>Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 314</td>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 498</td>
<td>Strategy and Policy</td>
<td>3</td>
</tr>
<tr>
<td>or ENT 496</td>
<td>Small Business Analysis and Strategy</td>
<td>3</td>
</tr>
</tbody>
</table>
Additional Courses

Select 18 hours of Business Data Analytics courses from the following:

- BDAN 310 Business Data Analytics
- BDAN 320 Web Analytics
- BDAN 330 Structured Data Analysis
- BDAN 410 DSS Analysis and Design
- BDAN 420 Data Mining
- BDAN 430 Data Visualization

Select 9 hours of approved business and technology electives

- BDAN 350 Data Management
- 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
- GISC 443 GIS Databases
- GISC 477 Special Topics in GIS
- 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 Military Leadership and Management
- MIL 302 Military Leadership and Advanced Tactical Skills
- MIL 401 Professional Leadership Skills
- PSY 371 The Psychology of Sales Behavior

Total Hours 72

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.
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
- Entrepreneurship, Bachelor of Science (542P, 542) (p. 164)
- International Business, Bachelor of Science (569P, 569) (p. 166)
- Management, Bachelor of Science (723P, 723) (p. 168)

Minors
- Business Administration, Minor (332) (p. 164)
- Entrepreneurship, Minor (355) (p. 165)
- International Business, Minor (333) (p. 167)

Certificate
- Brewing and Distilling Arts & Sciences, Certificate (1733) (p. 139)

Faculty
Professor
Paula W. Potter PhD (Business Administration), University of Kentucky, 1997
M. A. Rahim PhD (Business Administration), University of Pitts Pittsburgh Camp, 1976
Christopher L. Shook PhD, Louisiana State University & A&M College, 1997
Michael S. Spiller PhD (Human Resources Management), The University of Alabama, 1999

Associate Professor
Ismail Civelek PhD (Operations Management and Manufacturing), Carnegie Mellon University, 2010
LeAnne Coder PhD (Business), University of Kansas Main Campus, 2007
Feng Helen Liang PhD (Business Administration), University of California-Berkeley, 2006
Whitney O. Peake PhD (Agricultural Economics), Purdue University Main Campus, 2008

Assistant Professor
Jeffrey A. Chandler PhD (Business Administration), Texas Tech University, 2019
Mariah D. Yates MBA (Business Administration), Western Kentucky University, 2012

Executive-In-Residence
Kay H. Meggers PhD (Physics, Business Administration, Physics), Foreign College/University, 1995

Visiting Assistant Professor
Cole J. Crider PhD (Entrepreneurship), University of Louisville, 2019

Pedagogical Assistant Professor
Dana M. Cosby PhD (Educational Leadership and Organizational Development), University of Louisville, 2008
Aquesha D. Daniels JD (Law), Florida Coastal School of Law, 2011

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 and is administered through the Office of the Dean. Students with a minor in business administration receive a 3-hour waiver in upper-division coursework in the minor.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 200</td>
<td>Introductory Accounting—Financial</td>
<td>3</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics (Micro)</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 203</td>
<td>Principles of Economics (Macro)</td>
<td></td>
</tr>
<tr>
<td>CIS 141</td>
<td>Basic Computer Literacy</td>
<td>3</td>
</tr>
<tr>
<td>MATH 123</td>
<td>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.)</td>
<td>3</td>
</tr>
<tr>
<td>FIN 330</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 210</td>
<td>Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
<td>3</td>
</tr>
<tr>
<td>Select 9 hours of upper-level business electives with at least two fields represented.</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>30</td>
</tr>
</tbody>
</table>

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, Bachelor of Science (542P, 542)

Program Coordinator
Robert D. Hatfield, bob hatfield@wku.edu, (270) 745-6581

The major in entrepreneurship requires 70 hours of professional and elective courses and leads to a Bachelor of Science degree. The entrepreneurship program is designed to provide maximum flexibility in the integration of coursework and actual experience to develop entrepreneurial potential and to provide the opportunity to turn that capability into reality. Coursework and practical experiences allow the student to apply principles of innovative thought, idea generation, market
development, financial analysis, legal and ethical compliance, and human resource development. Students are prepared to start and develop a new venture, to immediately contribute to the growth and expansion of the fast-growth firm, to be leaders in social or non-profit activities, and to be corporate "intrapreneurs" if employed in larger firms.

**Admission Requirements**

To gain admission to the Entrepreneurship program, students must have:

1. earned a minimum of 60 hours.
2. completed ACCT 200 and ACCT 201, CIS 141, ECON 202, ECON 203, and ECON 206, MATH 123 or any calculus class or a Math ACT of at least 26 or Math SAT of at least 610, MGT 210, and COMM 145;
3. earned a minimum overall GPA of 2.5.
4. earned a minimum GPA of 2.5 in the following courses: ACCT 200, ECON 202, ECON 206, CIS 141, COMM 145, and MGT 210 (must have a "C" or better).

**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](http://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).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 200</td>
<td>Introductory Accounting—Financial</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 201</td>
<td>Introductory Accounting-Managerial</td>
<td>3</td>
</tr>
<tr>
<td>CIS 141</td>
<td>Basic Computer Literacy</td>
<td>3</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics (Micro)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 203</td>
<td>Principles of Economics (Macro)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 206</td>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>CIS 243</td>
<td>Principles of MIS</td>
<td>3</td>
</tr>
<tr>
<td>FIN 330</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
<td>3</td>
</tr>
<tr>
<td>MGT 200</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 210</td>
<td>Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 313</td>
<td>Decision Modeling</td>
<td>3</td>
</tr>
<tr>
<td>MGT 314</td>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>ENT 496</td>
<td>Small Business Analysis and Strategy</td>
<td>3</td>
</tr>
<tr>
<td>MGT 305</td>
<td>Ethics and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 119</td>
<td>Fundamentals of Calculus</td>
<td></td>
</tr>
<tr>
<td>ENT 312</td>
<td>Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>FIN 441</td>
<td>Entrepreneurial Finance</td>
<td>3</td>
</tr>
<tr>
<td>MKT 427</td>
<td>Entrepreneurial Marketing</td>
<td>3</td>
</tr>
<tr>
<td>ENT 380</td>
<td>New Venture Business Planning</td>
<td>3</td>
</tr>
<tr>
<td>Select six hours of entrepreneurship electives from any 300- or 400-level entrepreneurship course</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Select two of the following:</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>ECON 414</td>
<td>Managerial Economics</td>
<td></td>
</tr>
<tr>
<td>MKT 323</td>
<td>Services Marketing</td>
<td></td>
</tr>
<tr>
<td>MKT 325</td>
<td>Personal Selling</td>
<td></td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>70</td>
</tr>
</tbody>
</table>

These two courses may come from the following list; however, the courses could also be from any discipline on campus that strengthens that student's specific interest in entrepreneurship. The two courses must be selected and approved by the Management Department Chair that customizes the entrepreneurial interest area of the student.

**Sample Degree Path:** [http://wku.edu/degreepaths/18-19/documents/gfcb/entrepreneurship_542.pdf](http://wku.edu/degreepaths/18-19/documents/gfcb/entrepreneurship_542.pdf)

**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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 150</td>
<td>Introduction to Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics (Micro)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 203</td>
<td>Principles of Economics (Macro)</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 200</td>
<td>Introductory Accounting—Financial</td>
<td>3</td>
</tr>
<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
<td>3</td>
</tr>
<tr>
<td>ENT 312</td>
<td>Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>Select 9 hours of electives from the following courses or other courses approved with the consent of the department head:</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Any ENT course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FIN 441</td>
<td>Entrepreneurial Finance</td>
<td>3</td>
</tr>
<tr>
<td>MKT 328</td>
<td>Digital Marketing</td>
<td></td>
</tr>
<tr>
<td>MKT 427</td>
<td>Entrepreneurial Marketing</td>
<td>3</td>
</tr>
<tr>
<td>WFA 346</td>
<td>Workforce Resource Development</td>
<td>3</td>
</tr>
<tr>
<td>ENT 496</td>
<td>Small Business Analysis and Strategy</td>
<td>1</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>21</td>
</tr>
</tbody>
</table>

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.
International Business, Bachelor of Science (569P, 569)

Program Coordinator
Robert D. Hatfield, bob.hatfield@wku.edu, (270) 745-6581

The international business major requires 73 hours of professional and elective courses and leads to a Bachelor of Science degree. The objective of the international business (IB) major is to prepare students to succeed in the increasingly competitive and inter-dependent world of international business. The IB program equips students for global careers by providing sound business skills, geo-political understanding, language skills, and cultural and value awareness of other regions. The IB graduate may pursue advanced study in international business/international MBA programs, gain entry level positions in firms with existing international operations, engage in entrepreneurial opportunities with domestic firms wishing to expand internationally, and work with governmental and/or non-governmental organizations whose objective is to provide international trade support or economic development. Available as a primary or secondary major, the IB major combines courses in international management, marketing, economics, finance, and entrepreneurship with foreign-language study. Students are required to do an internship in a firm engaged in international business or participate in study abroad.

Admission Requirements
To gain admission to the International Business program, students must have:

1. earned a minimum of 60 hours.
2. completed ACCT 200 and ACCT 201, CIS 141, ECON 202, ECON 203, and ECON 206, MATH 123 or any calculus class or MATH ACT of at least 26 or a MATH SAT of at least 610, MGT 210, and COMM 145;
3. earned a minimum overall GPA of 2.5.
4. earned a minimum GPA of 2.5 in the following courses: ACCT 200, ECON 202, ECON 206, CIS 141, COMM 145, and MGT 210 (must have a “C” or better).

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.

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](https://www.wku.edu/colonnade/colonnaderequirements.php))

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ACCT 200</td>
<td>Introductory Accounting—Financial</td>
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<tr>
<td>ACCT 201</td>
<td>Introductory Accounting-Managerial</td>
<td>3</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics (Micro)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 203</td>
<td>Principles of Economics (Macro)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 206</td>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>CIS 141</td>
<td>Basic Computer Literacy</td>
<td>3</td>
</tr>
<tr>
<td>CIS 243</td>
<td>Principles of MIS</td>
<td>3</td>
</tr>
<tr>
<td>FIN 330</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
<td>3</td>
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<td>MGT 200</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 210</td>
<td>Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 314</td>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 316</td>
<td>International Management</td>
<td>3</td>
</tr>
</tbody>
</table>
| MGT 498 | Strategy and Policy          | 3     | or ENT 496 Small Business Analysis and Strategy
| MGT 313 | Decision Modeling            | 3     |
| MGT 303 | International Business       | 3     |
| MGT 499 | Senior Assessment in Management | 1     |

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CHIN 333</td>
<td>Chinese Culture and Civilization</td>
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</tr>
<tr>
<td>CHNF 430</td>
<td>Chinese Culture</td>
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<tr>
<td>COMM 463</td>
<td>Advanced Intercultural</td>
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<tr>
<td>Communication</td>
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<td>CSJ 380</td>
<td>Our Future: Local and Global</td>
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<td>FREN 323</td>
<td>French Civilization and Culture</td>
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<td>GEOG 462</td>
<td>Geography of South America</td>
<td></td>
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<td>GEOG 465</td>
<td>Geography of East Asia</td>
<td></td>
</tr>
<tr>
<td>GEOG 466</td>
<td>Geography of Africa</td>
<td></td>
</tr>
<tr>
<td>GEOG 467</td>
<td>Geography of the Middle East</td>
<td></td>
</tr>
<tr>
<td>GERM 333</td>
<td>Germanic Civilization and Culture</td>
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<tr>
<td>SOCL 363</td>
<td>Population, Society, and</td>
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<tr>
<td>Development</td>
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<td>SOCL 376</td>
<td>Sociology of Globalization</td>
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<td>SPAN 372</td>
<td>Latin American Civilization and Culture</td>
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<td></td>
<td>or SPAN 373 Spanish Civilization and Culture</td>
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Select one of the following:

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<th>Code</th>
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<tr>
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<tr>
<td>CHIN 102</td>
<td>Elementary Chinese II</td>
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<tr>
<td>CHNF 102</td>
<td>Intensive Elementary Chinese II</td>
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<td>Elementary French II</td>
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<td>GERM 102</td>
<td>Elementary German II</td>
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<tr>
<td>JAPN 102</td>
<td>Elementary Japanese II</td>
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<tr>
<td>RUSS 102</td>
<td>Elementary Russian II</td>
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<tr>
<td>SPAN 102</td>
<td>Elementary Spanish II</td>
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Select one of the following:

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<td>CHNF 201</td>
<td>Intensive Intermediate Chinese I</td>
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<td>FREN 201</td>
<td>Intermediate French I</td>
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<td>Intermediate German I</td>
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<td>RUSS 201</td>
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<tr>
<td>SPAN 201</td>
<td>Intermediate Spanish I</td>
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Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>Study Abroad course</td>
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<tr>
<td>MGT 490</td>
<td>Practicum in Management</td>
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<tr>
<td>MKT 491</td>
<td>Marketing Study Abroad</td>
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Select 12 hours of international business courses from one of the following declared concentrations:

International Management:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>FIN 436</td>
<td>International Financial Management</td>
<td>12</td>
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</table>
LEAD 450 Leadership in Global Contexts
MGT 305 Ethics and Critical Thinking
MGT 383 Human Resource Information Systems
MGT 413 International Human Resource Management
MGT 495 Strategic Human Resources Management
PS 350 Political Terrorism

Global Supply Chain:
AMS 371 Quality Assurance
AMS 394 Lean Systems
AMS 396 Introduction to Supply Chain Management
AMS 430 Technology Management / Supervision / Team Building
BDAN 310 Business Data Analytics
MKT 324 International Marketing
MKT 423 Supply Chain Management

Global Entrepreneurship:
ENT 308 Innovation Management
ENT 312 Entrepreneurship
ENT 380 New Venture Business Planning
ENT 425 International Entrepreneurship
ENT 496 Small Business Analysis and Strategy
MGT 390 Value Creation in Emerging Markets

Global Trade and Economy:
ECON 380 International Economics
ECON 385 Economic Development
ECON 430 Environmental and Resource Economics
ECON 467 American Economic History
ECON 496 International Monetary Economics
PS 449 International Political Economy

Total Hours 73

Sample Degree Path: (https://www.wku.edu/degreepaths/19-20/documents/gfcb/international_business_569.pdf)

International Business, Minor (333)

Program Requirements (24 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEAD 450</td>
<td>Leadership in Global Contexts</td>
</tr>
<tr>
<td>MGT 305</td>
<td>Ethics and Critical Thinking</td>
</tr>
<tr>
<td>MGT 383</td>
<td>Human Resource Information Systems</td>
</tr>
<tr>
<td>MGT 413</td>
<td>International Human Resource Management</td>
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<td>MGT 495</td>
<td>Strategic Human Resources Management</td>
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<tr>
<td>PS 350</td>
<td>Political Terrorism</td>
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<tr>
<td>AMS 371</td>
<td>Quality Assurance</td>
</tr>
<tr>
<td>AMS 394</td>
<td>Lean Systems</td>
</tr>
<tr>
<td>AMS 396</td>
<td>Introduction to Supply Chain Management</td>
</tr>
<tr>
<td>AMS 430</td>
<td>Technology Management / Supervision / Team Building</td>
</tr>
<tr>
<td>BDAN 310</td>
<td>Business Data Analytics</td>
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<tr>
<td>MKT 324</td>
<td>International Marketing</td>
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<td>MKT 423</td>
<td>Supply Chain Management</td>
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<tr>
<td>ENT 308</td>
<td>Innovation Management</td>
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<tr>
<td>ENT 312</td>
<td>Entrepreneurship</td>
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<tr>
<td>ENT 380</td>
<td>New Venture Business Planning</td>
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<td>ENT 425</td>
<td>International Entrepreneurship</td>
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<tr>
<td>ENT 496</td>
<td>Small Business Analysis and Strategy</td>
</tr>
<tr>
<td>MGT 390</td>
<td>Value Creation in Emerging Markets</td>
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<table>
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<tr>
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<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ECON 380</td>
<td>International Economics</td>
</tr>
<tr>
<td>ECON 385</td>
<td>Economic Development</td>
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<tr>
<td>ECON 430</td>
<td>Environmental and Resource Economics</td>
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<td>ECON 467</td>
<td>American Economic History</td>
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<td>ECON 496</td>
<td>International Monetary Economics</td>
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<td>PS 449</td>
<td>International Political Economy</td>
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</table>

Select 9 hours (6 hours from the same prefix) in a world language of the following:

<table>
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<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>ARBC 101</td>
<td>Elementary Arabic I</td>
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<tr>
<td>ARBC 102</td>
<td>Elementary Arabic II</td>
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Select 3 hours from the following: 3

Modern History:

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<th>Code</th>
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<tbody>
<tr>
<td>HIST 324</td>
<td>Modern Britain Since 1688</td>
</tr>
<tr>
<td>HIST 334</td>
<td>Nineteenth Century Europe</td>
</tr>
<tr>
<td>HIST 335</td>
<td>Twentieth Century Europe</td>
</tr>
<tr>
<td>HIST 425</td>
<td>Modern Germany</td>
</tr>
<tr>
<td>HIST 428</td>
<td>England Since 1914</td>
</tr>
<tr>
<td>HIST 438</td>
<td>Twentieth Century Russia</td>
</tr>
<tr>
<td>HIST 439</td>
<td>Rise and Decline of Communism</td>
</tr>
<tr>
<td>HIST 365</td>
<td>Modern Latin America, 1800-Present</td>
</tr>
<tr>
<td>HIST 370</td>
<td>Modern South Asia: from Empires to Nations</td>
</tr>
<tr>
<td>HIST 461</td>
<td>Modern East Asia</td>
</tr>
<tr>
<td>HIST 462</td>
<td>History of the Middle East</td>
</tr>
<tr>
<td>HIST 464</td>
<td>Latin America and the United States</td>
</tr>
<tr>
<td>HIST 465</td>
<td>The Mexican Republic</td>
</tr>
<tr>
<td>HIST 471</td>
<td>Modern China</td>
</tr>
<tr>
<td>HIST 472</td>
<td>Modern Japan</td>
</tr>
<tr>
<td>HIST 479</td>
<td>Topics in World History</td>
</tr>
<tr>
<td>HIST 380</td>
<td>Human Rights in History</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
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<tr>
<td>------------</td>
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<tr>
<td>HIST 492</td>
<td>History of Canada</td>
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<tr>
<td>Political Science: 1</td>
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<td>PS 355</td>
<td>International Organization and Law</td>
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<tr>
<td>PS 449</td>
<td>International Political Economy</td>
</tr>
<tr>
<td>PS 360</td>
<td>Government and Politics of Britain and Canada</td>
</tr>
<tr>
<td>PS 361</td>
<td>Government and Politics of Western Europe</td>
</tr>
<tr>
<td>PS 362</td>
<td>Latin American Government and Politics</td>
</tr>
<tr>
<td>PS 363</td>
<td>Politics of Developing Nations</td>
</tr>
<tr>
<td>PS 365</td>
<td>Government and Politics of the Middle East</td>
</tr>
<tr>
<td>PS 366</td>
<td>Government and Politics in East Asia</td>
</tr>
<tr>
<td>PS 367</td>
<td>Government and Politics of Russia and Eastern Europe</td>
</tr>
<tr>
<td>PS 368</td>
<td>African Government and Politics</td>
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<tr>
<td>PS 460</td>
<td>Selected Topics in Comparative Politics</td>
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<tr>
<td>Folk Studies:</td>
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<tr>
<td>FLK 340</td>
<td>Peoples and Cultures of Latin America</td>
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<tr>
<td>FLK 341</td>
<td>People and Cultures of Asia</td>
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<tr>
<td>FLK 342</td>
<td>Peoples and Cultures of the Caribbean</td>
</tr>
<tr>
<td>FLK 350</td>
<td>Peoples and Cultures of Africa</td>
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<td>Regional Geography:</td>
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<td>GEOG 364</td>
<td>Geography of Europe</td>
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<td>GEOG 462</td>
<td>Geography of South America</td>
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<td>Geography of East Asia</td>
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<td>GEOG 466</td>
<td>Geography of Africa</td>
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<td>GEOG 467</td>
<td>Geography of the Middle East</td>
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<td>Modern Languages:</td>
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<tr>
<td>ARBC 324</td>
<td>Arabic Civilization II</td>
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<td>FREN 323</td>
<td>French Civilization and Culture</td>
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<td>FREN 427</td>
<td>Francophone Culture</td>
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<td>GERM 335</td>
<td>Contemporary Culture and Civilization</td>
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<td>SPAN 372</td>
<td>Latin American Civilization and Culture</td>
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<td>SPAN 373</td>
<td>Spanish Civilization and Culture</td>
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<tr>
<td>MGT 303</td>
<td>International Business</td>
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<tr>
<td>Select 9 hours from the following courses with 2 fields represented:</td>
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<tr>
<td>ENT 425</td>
<td>International Entrepreneurship</td>
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<td>MGT 316</td>
<td>International Management</td>
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<td>MGT 390</td>
<td>Value Creation in Emerging Markets</td>
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<td>MGT 410</td>
<td>Senior Seminar-Management</td>
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<td>ECON 380</td>
<td>International Economics</td>
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<td>ECON 496</td>
<td>International Monetary Economics</td>
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<td>FIN 436</td>
<td>International Financial Management</td>
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<td>MKT 324</td>
<td>International Marketing</td>
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<td>MKT 423</td>
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<tr>
<td>Internship</td>
<td></td>
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<tr>
<td>Study Abroad</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 24

1 An upper level government course listed under “International Relations” or “Comparative Government and Politics” (courses in the Kentucky Legislative Internship Program are excluded).

Management, Bachelor of Science (723P, 723)

Program Coordinator
Robert D. Hatfield, bob.hatfield@wku.edu, (270) 745-6581

Students pursuing a major in Management may choose between the Business Administration track and the Human Resource Management track. The Business Administration option of the management major provides a broad business perspective for students who eventually wish to be involved in profit or goal management responsibilities. The Human Resource Management option of the management major is designed to develop skills for managing an essential resource of any organization—its employees.

The undergraduate major in management requires 73 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 two areas of concentration within the major:

1. Business Administration
2. Human Resource Management

This allows students to choose a program of study that fits well with their career aspirations.

Admission Requirements

This allows students to choose a program of study that fits well with their career aspirations.

To gain admission to the Gordon Ford College Management program, students must have:

1. earned a minimum of 60 hours.
2. completed ACCT 200 and ACCT 201, CIS 141, ECON 202, ECON 203, and ECON 206, MGT 210, MATH 123 or any calculus class or a Math ACT of at least 26 or a Math SAT of at least 610, and COMM 145.
3. earned a minimum overall GPA of 2.5.
4. earned a minimum GPA of 2.5 in the following courses (must have a “C” or better): ACCT 200, ECON 202, ECON 206, CIS 141, COMM 145, and MGT 210 (must have a “C” or better).
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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 200</td>
<td>Introductory Accounting—Financial</td>
<td>3</td>
</tr>
<tr>
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<tr>
<td>ECON 203</td>
<td>Principles of Economics (Macro)</td>
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<tr>
<td>ECON 206</td>
<td>Statistics</td>
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</tr>
<tr>
<td>CIS 243</td>
<td>Principles of MIS</td>
<td>3</td>
</tr>
<tr>
<td>FIN 330</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>MKT 220</td>
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<td>MGT 200</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 210</td>
<td>Organization and Management</td>
<td>3</td>
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<tr>
<td>MGT 313</td>
<td>Decision Modeling</td>
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<tr>
<td>MGT 314</td>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>ENT 496</td>
<td>Small Business Analysis and Strategy</td>
<td>3</td>
</tr>
<tr>
<td>or MGT 498</td>
<td>Strategy and Policy</td>
<td>3</td>
</tr>
<tr>
<td>MGT 311</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

- MGT 361 Business Communication Fundamentals
- ENG 306 Business Writing
- ENG 307 Technical Writing
- MGT 305 Ethics and Critical Thinking
- or MATH 119 Fundamentals of Calculus
- MGT 417 Organizational Behavior
- ECON 414 Managerial Economics
- MGT 499 Senior Assessment in Management

Select one of the following:

- BDAN 310 Business Data Analytics
- BDAN 320 Web Analytics
- BDAN 330 Structured Data Analysis
- BDAN 410 DSS Analysis and Design
- BDAN 420 Data Mining
- BDAN 430 Data Visualization
- Any 300- or 400-level business course

Select an upper-level management elective

Select an upper-level finance elective

Select an upper-level marketing elective

Select 3 hours of professional electives chosen from any upper-level course offered in the Gordon Ford College of Business

Total Hours 73

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 200</td>
<td>Introductory Accounting—Financial</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 201</td>
<td>Introductory Accounting-Managerial</td>
<td>3</td>
</tr>
<tr>
<td>CIS 141</td>
<td>Basic Computer Literacy</td>
<td>3</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics (Micro)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 203</td>
<td>Principles of Economics (Macro)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 206</td>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>CIS 243</td>
<td>Principles of MIS</td>
<td>3</td>
</tr>
<tr>
<td>FIN 330</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
<td>3</td>
</tr>
<tr>
<td>MGT 200</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 210</td>
<td>Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 313</td>
<td>Decision Modeling</td>
<td>3</td>
</tr>
<tr>
<td>MGT 314</td>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>ENT 496</td>
<td>Small Business Analysis and Strategy</td>
<td>3</td>
</tr>
<tr>
<td>or MGT 498</td>
<td>Strategy and Policy</td>
<td>3</td>
</tr>
<tr>
<td>MGT 311</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

- MGT 361 Business Communication Fundamentals
- ENG 306 Business Writing
- ENG 307 Technical Writing
- MGT 305 Ethics and Critical Thinking
- or MATH 119 Fundamentals of Calculus
- MGT 417 Organizational Behavior
- MGT 411 Effective Staffing Practices
- MGT 414 Compensation Administration
- MGT 473 Training in Business and Industry
- MGT 495 Strategic Human Resources Management
- MGT 499 Senior Assessment in Management
- ECON 305 Labor Economics
Select one of the following electives: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 383</td>
<td>Human Resource Information Systems</td>
</tr>
<tr>
<td>MGT 400</td>
<td>Employment Law</td>
</tr>
<tr>
<td>MGT 413</td>
<td>International Human Resource Management</td>
</tr>
<tr>
<td>MGT 416</td>
<td>Management of Labor Relations</td>
</tr>
<tr>
<td>MGT 419</td>
<td>Management of Organizational Conflict</td>
</tr>
<tr>
<td>Another advisor-approved elective</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 73

Sample Degree Path for Concentration:

Business Administration:

Human Resources / Personnel Management:

Department of Marketing

Dr. Lukas Forbes, Chair
Email: Lukas.Forbes@wku.edu (lukas.forbes@wku.edu)
Grise Hall, Office 401
Phone: (270) 745-2249; Fax: (270) 745-3190
Email: MKT@wku.edu
Website: 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 insure 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 (720P, 720) (p. 170)

Minors

- Marketing, Minor (413) (p. 172)
- Sales, Minor (452) (p. 172)

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
Ruomeng Wu PhD (Business Administration), University of Cincinnati Main Campus, 2019

Executive-In-Residence
Gregory A. Siegelman MBA (Business Administration), Cornell University, 1981

Instructor I
Kendra H. Sewell MBA (Business Administration), Western Kentucky University, 2013

Instructor II
Christopher J. Derry MBA (Management), Vanderbilt University, 1986

Marketing, Bachelor of Science (720P, 720)

Program Coordinator
Lukas Forbes, lukas.forbes@wku.edu, (270) 745-2993

Marketing

The Marketing discipline offers three areas of concentration within the major:

1. Strategic marketing
2. Professional sales
3. Social media marketing

This allows a student to develop an education program which most closely fits their career aspirations and increases their placement opportunities.

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 head.

The major in marketing requires 72 hours in 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 a part of the major on the degree program. 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 approved minors inside and outside the Gordon Ford College of Business are permitted and encouraged.

Admission Requirements

To be admitted to the Marketing program, a student must:

1. have completed 60 hours.
2. complete (pass) the nine Marketing admissions courses which consist of ACCT 200 and ACCT 201; ECON 202, ECON 203, and ECON 206; CIS 141; COMM 145; MATH 123 (or any calculus class or a Math ACT of at least 26 or a Math SAT of at least 610) and MKT 220;
3. the student must also have an overall GPA of 2.5 or higher.
4. the student must also have a GPA of 2.5 or higher in the following six classes: ACCT 200; CIS 141; ECON 202; ECON 206, COMM 145; and MKT 220

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.

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)

Program requirements include 21 hours of admission courses beyond COMM 145 and MATH 123 (Colonnade), 36 hours of core courses, and 15 hours in the concentration chosen by the student.

Core Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 243</td>
<td>Principles of MIS</td>
<td>3</td>
</tr>
<tr>
<td>ECON 306</td>
<td>Statistical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>FIN 330</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 200</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 210</td>
<td>Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 314</td>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 498</td>
<td>Strategy and Policy</td>
<td>3</td>
</tr>
</tbody>
</table>

Marketing Required Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 321</td>
<td>Consumer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MKT 325</td>
<td>Personal Selling</td>
<td>3</td>
</tr>
<tr>
<td>MKT 421</td>
<td>Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>MKT 422</td>
<td>Marketing Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 361</td>
<td>Business Communication Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 306</td>
<td>Business Writing</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 36

Choose one concentration from below:

Strategic Marketing Concentration (MKGM)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 322</td>
<td>Integrated Marketing Communications</td>
<td>3</td>
</tr>
<tr>
<td>MKT 328</td>
<td>Digital Marketing</td>
<td></td>
</tr>
<tr>
<td>MKT 331</td>
<td>Social Media Marketing</td>
<td></td>
</tr>
<tr>
<td>MGT 327</td>
<td>Retailing Management and Strategy</td>
<td>3</td>
</tr>
<tr>
<td>or MKT 423</td>
<td>Supply Chain Management</td>
<td></td>
</tr>
<tr>
<td>Select two marketing electives</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Select one professional elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 15

Sales Concentration (MKSA)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 329</td>
<td>Business-To-Business Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 424</td>
<td>Sales Force Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 425</td>
<td>Advanced Personal Selling Strategies</td>
<td>3</td>
</tr>
</tbody>
</table>
Marketing, Minor (413)

Program Coordinator
Lukas Forbes, lukas.forbes@wku.edu, (270) 745-2993

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, public relations, fashion retailing and numerous others would provide very strong 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 200</td>
<td>Introductory Accounting—Financial</td>
<td>3</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics (Micro)</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 203</td>
<td>Principles of Economics (Macro)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 206</td>
<td>Statistics (or equivalent)</td>
<td>3</td>
</tr>
<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
<td>3</td>
</tr>
<tr>
<td>MKT 321</td>
<td>Consumer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>Select 9-12 hours of upper-level MKT electives</td>
<td>9-12</td>
<td></td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>24-27</td>
</tr>
</tbody>
</table>

Select 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 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) 745-2993

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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
<td>3</td>
</tr>
<tr>
<td>MKT 325</td>
<td>Personal Selling</td>
<td>3</td>
</tr>
<tr>
<td>MKT 425</td>
<td>Advanced Personal Selling Strategies</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 345</td>
<td>Advanced Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>PSY/PSYS 350</td>
<td>Social Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 371</td>
<td>The Psychology of Sales Behavior</td>
<td></td>
</tr>
<tr>
<td>FIN 350</td>
<td>Risk Management and Insurance</td>
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</tr>
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</table>

Select two of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 323</td>
<td>Services Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 329</td>
<td>Business-To-Business Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 331</td>
<td>Social Media Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 424</td>
<td>Sales Force Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 361</td>
<td>Business Communication Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>COMM 365</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

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. 172)

Advanced Professionalism, Certificate (1730)

Program Coordinator
Evelyn H. Thrasher, evelyn.thrasher@wku.edu, (270) 745-3449

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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Category I Advanced Communication</strong> ^1</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Select three of the following:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>COMM 240 Effective Listening</td>
<td></td>
</tr>
<tr>
<td></td>
<td>COMM 260 Organizational Interviewing</td>
<td></td>
</tr>
<tr>
<td></td>
<td>COMM 330 Leadership Communication</td>
<td></td>
</tr>
<tr>
<td></td>
<td>COMM 345 Advanced Public Speaking ^2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>COMM 365 Intercultural Communication ^3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>COMM 374 Gender Communication</td>
<td></td>
</tr>
<tr>
<td></td>
<td>COMM 463 Advanced Intercultural Communication ^3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ENG 306 Business Writing</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ENG 307 Technical Writing</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MGT 305 Ethics and Critical Thinking ^2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MGT 361 Business Communication Fundamentals</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MKT 325 Personal Selling</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Category II Applied Career Experience</strong> ^2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ACCT 390 Internship in Accounting</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CIS 369 Cooperative Education in Information Systems</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ECON 490 Practicum in Economics</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FIN 440 Internship in Finance</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MGT 490 Practicum in Management</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MKT 490 Practicum in Marketing</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BA 490 College of Business Internship</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HON 404 Honors Thesis / Project II ^4</td>
<td>1-3</td>
</tr>
<tr>
<td></td>
<td><strong>Category III (Students must pass this 0 credit course prior to graduation)</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>BA 495 Career Development Attendance</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td>13-15</td>
</tr>
</tbody>
</table>

^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.
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 Educational Leadership Doctoral Program; and the Departments of Counseling and Student Affairs; Educational Administration, Leadership, and Research; Military Science and Leadership; School of Professional Studies, 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; 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 head 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.

### 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 National Council for the Accreditation of Teacher Education (NCATE)¹, and 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).

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. 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 has 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).

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 to the Office of Professional Educator Services a copy of their written evaluation forms. At no point may students deliver or receive the forms, and provide the names of the instructors to complete the forms, and uphold The Professional Code of Ethics for Kentucky School Personnel.

7. The candidate must provide the Office of Professional Educator Services at teacher.services@wku.edu.

9. As verification of proficiency in the use of oral language, the candidate must attain a grade of “C” or higher in an approved general education speech course for education majors, COMM 145, or equivalent course.

10. As verification of writing proficiency, 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. 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.

9. As verification of proficiency in the use of oral language, the candidate must attain a grade of “C” or higher in an approved general education speech course for education majors, COMM 145, or equivalent course.

10. As verification of writing proficiency, 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.

11. 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.

12. The candidate must arrange for three positive faculty recommendations: Dispositions toward teaching will be evaluated according to specific qualities and traits. Recommendations may not be obtained from instructors of online courses as the dispositions are not necessarily observable in a learning environment. The dispositions are evaluated using three separate teacher admission evaluation forms. At no point may students deliver or receive the required forms; students will obtain permission of the instructors to complete the forms, and provide names of the instructors to receive the forms, and the Office of Professional Educator Services will make contact with the designated instructors. Candidates may use only one non-WKU education instructor.

13. 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.

14. 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 review.
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

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., iCAP-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 NCATE Standard 1 (Candidate Knowledge, Skills, and Professional Dispositions), 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 head 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 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 on file in the Office of Professional Educator Services a current TB risk assessment, a current physical exam, and a current criminal background check. Students are responsible for the expenses incurred in complying with this requirement.

By state regulation, the requirements regarding field experience apply to all students doing student teaching in Spring 2014 and beyond. ¹

¹ NCATE and TEAC have merged into a new body, the Council for the Accreditation of Educator Preparation or CAEP, and WKU will be accredited by CAEP in our next accreditation cycle.

- Department of Counseling and Student Affairs (p. 177)
- Department of Educational Administration, Leadership, and Research (p. 177)
  - Organizational Leadership, Bachelor of Science (545) (p. 178)
  - Organizational Leadership, Minor (431) (p. 179)
  - Organizational Leadership, Certificate (1721) (p. 179)
- Department of Military Science and Leadership (p. 180)
  - Military Leadership, Bachelor of Science (733) (p. 181)
  - Military Science, Minor (420) (p. 182)
- Department of Psychology (p. 182)
  - Clinical and Community Behavioral Health, Minor (436) (p. 183)
  - Psychology, Bachelor of Arts (760P; 760) (p. 184)
  - Psychology, Minor (438) (p. 186)
Department of Counseling and Student Affairs

Dr. Jill Sauerheber, Head

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

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 for the most current program information.

Faculty

Professor
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
Monica G. Burke PhD (Education, Educational Administration and Supervision), University of Southern Mississippi, 1997
Lacretia T. Dye PhD (Counselor Education), Western Michigan University, 2012

Assistant Professor
Andrea K. Jenkins PhD (Counseling), Old Dominion University, 2015
Cheryl P. Wolf PhD (Mental Health Counseling), University of Florida, 2013

Degree

Department of Educational Administration, Leadership, and Research

Dr. Marguerita K. Desander, Head

Gary A. Ransdell Hall, Office 3086
Phone: (270) 745-4890; Fax: (270) 745-5445
Email: Ed.Administration@wku.edu
Website: http://www.wku.edu/ealr

The Department of Educational Administration, Leadership, and Research offers graduate courses and programs designed to prepare school personnel for effective leadership in elementary, secondary, and postsecondary school settings. The department also includes Educational Foundations faculty who teach courses in research methods, statistics, and other foundational courses for graduate level programs. Specific information about the graduate programs can be obtained from The Graduate School's website (http://www.wku.edu/graduate), or see the departmental website at http://www.wku.edu/ealr.

Faculty

Professor
Timothy C. Caboni PhD, Vanderbilt University, 2001
H. R. Capps EdD, University of Virginia, 1970
Gary W. Houchens PhD (Educational Leadership & Organizational Development), University of Louisville, 2008
Antony D. Norman PhD (Education- Educational Psychology), University of Virginia, 1990

Associate Professor
John P. Baker EdD (Educational Leadership, Organizational Leadership), Western Kentucky University, 2011
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
Stacy R. Leggett EdD (Educational Administration), George Washington University, 2015
Thomas A. Stewart EdD (Educational Leadership), Western Kentucky University, 2011

Assistant Professor
Lester A. Archer PhD (Educ Leadership/Research), Louisiana State University & A&M College, 2017

Visiting Professor
Winifred L. Cohron PhD (Educational Leadership & Organizational Development), University of Louisville, 2009

Degree

Organizational Leadership, Bachelor of Science (545) (p. 178)

Minor

Organizational Leadership, Minor (431) (p. 179)

Certificate

Organizational Leadership, Certificate (1721) (p. 179)
Organizational Leadership, Bachelor of Science (545)

Program Coordinator
John P. Baker, john.baker1@wku.edu, (270) 745-5149

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.

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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>LEAD 200</td>
<td>Introduction to Leadership Studies</td>
<td>3</td>
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<tr>
<td>or LEAD 300</td>
<td>Leadership Theory and Application</td>
<td></td>
</tr>
<tr>
<td>LEAD 325</td>
<td>Leading Change</td>
<td>3</td>
</tr>
<tr>
<td>LEAD 330</td>
<td>Leadership Ethics and Decision-Making</td>
<td>3</td>
</tr>
<tr>
<td>LEAD 395</td>
<td>Contemporary Leadership Issues</td>
<td>3</td>
</tr>
<tr>
<td>LEAD 400</td>
<td>Practicum in Leadership</td>
<td>3</td>
</tr>
<tr>
<td>LEAD 440</td>
<td>Leading Teams</td>
<td>3</td>
</tr>
<tr>
<td>LEAD 450</td>
<td>Leadership in Global Contexts</td>
<td>3</td>
</tr>
<tr>
<td>LEAD 465</td>
<td>Leadership Coaching</td>
<td>3</td>
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Electives
Select 24 hours from the following:

<table>
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<tr>
<th>Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>ACCT 200/ACC 200C or ACCT 201/ACC 201C</td>
<td>Introductory Accounting—Financial or Introductory Accounting-Managerial</td>
<td>24</td>
</tr>
<tr>
<td>AMS 390</td>
<td>Project Management</td>
<td></td>
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<tr>
<td>AMS 430</td>
<td>Technology Management / Supervision / Team Building</td>
<td></td>
</tr>
<tr>
<td>BA 110</td>
<td>Introduction to Business and Entrepreneurship</td>
<td></td>
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<tr>
<td>BCOM 201</td>
<td>Process and Effects of Mass Communication</td>
<td></td>
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<tr>
<td>BE 350</td>
<td>Business Communication</td>
<td></td>
</tr>
<tr>
<td>BUS 210C</td>
<td>Organization and Management</td>
<td></td>
</tr>
<tr>
<td>BUS 212C</td>
<td>Principles of Marketing</td>
<td></td>
</tr>
<tr>
<td>BUS 257C</td>
<td>Management of Human Resources</td>
<td></td>
</tr>
<tr>
<td>COMM 240</td>
<td>Effective Listening</td>
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<tr>
<td>COMM 330</td>
<td>Leadership Communication</td>
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<tr>
<td>COMM 463</td>
<td>Advanced Intercultural Communication</td>
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<tr>
<td>ECON 206</td>
<td>Statistics</td>
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<tr>
<td>ENG 306</td>
<td>Business Writing</td>
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<tr>
<td>ENT 308</td>
<td>Innovation Management</td>
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<tr>
<td>ENT 312</td>
<td>Entrepreneurship</td>
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<tr>
<td>ENT 425</td>
<td>International Entrepreneurship</td>
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<tr>
<td>ENT 463</td>
<td>Small Business Management</td>
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<tr>
<td>FIN 330</td>
<td>Principles of Finance</td>
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<tr>
<td>HCA 340</td>
<td>Health Care Organization and Management</td>
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<td>HCA 342</td>
<td>Human Resources Management for Healthcare Managers</td>
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<td>HCA 344</td>
<td>Health Systems Management</td>
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<tr>
<td>HCA 346</td>
<td>Ambulatory Care Administration</td>
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<tr>
<td>HCA 442</td>
<td>Principles and Methods of Health Planning</td>
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<tr>
<td>IDST 395</td>
<td>Investigative Methods in Interdisciplinary Studies</td>
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<tr>
<td>MGT 200</td>
<td>Legal Environment of Business</td>
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<tr>
<td>MGT 210</td>
<td>Organization and Management</td>
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<tr>
<td>MGT 301</td>
<td>Business Law</td>
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<td>MGT 303</td>
<td>International Business</td>
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<tr>
<td>MGT 305</td>
<td>Ethics and Critical Thinking</td>
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<td>MGT 311</td>
<td>Human Resource Management</td>
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<td>MGT 313</td>
<td>Decision Modeling</td>
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<td>MGT 314</td>
<td>Operations Management</td>
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<td>MGT 316</td>
<td>International Management</td>
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<tr>
<td>MGT 326</td>
<td>Managing Projects in Organizations</td>
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<td>MGT 333</td>
<td>Management of Nonprofit Organizations</td>
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<tr>
<td>MGT 361</td>
<td>Business Communication Fundamentals</td>
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<tr>
<td>MGT 383</td>
<td>Human Resource Information Systems</td>
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<tr>
<td>MGT 400</td>
<td>Employment Law</td>
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<tr>
<td>MGT 411</td>
<td>Effective Staffing Practices</td>
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<tr>
<td>MGT 413</td>
<td>International Human Resource Management</td>
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<tr>
<td>MGT 417</td>
<td>Organizational Behavior</td>
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<tr>
<td>MGT 419</td>
<td>Management of Organizational Conflict</td>
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<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
<td></td>
</tr>
<tr>
<td>MKT 321</td>
<td>Consumer Behavior</td>
<td></td>
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<tr>
<td>MKT 322</td>
<td>Integrated Marketing Communications</td>
<td></td>
</tr>
<tr>
<td>MKT 323</td>
<td>Services Marketing</td>
<td></td>
</tr>
<tr>
<td>MKT 324</td>
<td>International Marketing</td>
<td></td>
</tr>
</tbody>
</table>
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.

Organizational Leadership, Minor (431)

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:

- LEAD 200 Introduction to Leadership Studies
- LEAD 325 Leading Change
- LEAD 450 Leadership in Global Contexts
- LEAD 465 Leadership Coaching
- LEAD 470 Practicum in Leadership
- LEAD 475 Leading Teams
- LEAD 476 Leadership in Global Contexts
- LEAD 477 Leadership Coaching
- LEAD 478 Practicum in Leadership

Total Hours 18

Students earning a minor in Organizational Leadership are ineligible for the certificate in Organizational Leadership.

Organizational Leadership, Certificate (1721)

Program Requirements (14 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.

- LEAD 200 Introduction to Leadership Studies
- LEAD 300 Leadership Theory and Application
- LEAD 400 Practicum in Leadership
- LEAD 440 Leading Teams
- LEAD 450 Leadership in Global Contexts
- LEAD 465 Leadership Coaching

Total Hours 14

Chosen electives build from LEAD 200 / LEAD 300 and provide students an emphasis in various aspects of leadership. In the capstone course, 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.
Department of Military Science and Leadership

LTC Morgan Greene, Department Head
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

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 head and the Professor of Military Science (PMS). A staff of Army commissioned and non-commissioned officers assists 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 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.
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. 181)

**Minor**

- Military Science, Minor (420) (p. 182)

**Military Leadership, Bachelor of Science (733)**

**Program Coordinator**

Morgan Greene, morgan.greene@wku.edu, (270) 745-6049

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 head).
- 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 head).

**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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/colonnade/colonnaderequirements.php.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIL 101</td>
<td>Military Mountaineering and Leadership</td>
<td>1</td>
</tr>
<tr>
<td>&amp; MIL 102</td>
<td>and Developmental Skills</td>
<td></td>
</tr>
<tr>
<td>&amp; MIL 201</td>
<td>and Basic Leadership</td>
<td></td>
</tr>
<tr>
<td>&amp; MIL 202</td>
<td>and Team Building and Military Doctrine</td>
<td></td>
</tr>
<tr>
<td>MIL 209</td>
<td>Introduction to Military Life</td>
<td>1</td>
</tr>
<tr>
<td>&amp; MIL 210</td>
<td>and Military Science Practicum</td>
<td></td>
</tr>
<tr>
<td>(Leader’s Training Course)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Advanced Courses*

[1]
### Military Science, Minor (420)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIL 301</td>
<td>Military Leadership and Management</td>
<td>3</td>
</tr>
<tr>
<td>MIL 302</td>
<td>Military Leadership and Advanced Tactical Skills</td>
<td>4</td>
</tr>
<tr>
<td>MIL 401</td>
<td>Professional Leadership Skills</td>
<td>3</td>
</tr>
<tr>
<td>MIL 402</td>
<td>Role of the Army Officer</td>
<td>4</td>
</tr>
<tr>
<td>MIL 410</td>
<td>Military Science Practicum (Leadership Development and Assessment Course)</td>
<td>3-6</td>
</tr>
<tr>
<td>or LEAD 400</td>
<td>Practicum in Leadership</td>
<td></td>
</tr>
</tbody>
</table>

**Restricted Elective**

- HIST 299 Introduction to Military History
- or HIST 494 U.S. Military History

**Electives**

Select 9 hours of electives with advisor approval from the following list; at least two disciplines must be represented:

- 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

**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

Sample Finish in Four Plan: [https://www.wku.edu/degreepaths/18-19/documents/cebs/military_leadership_733.pdf](https://www.wku.edu/degreepaths/18-19/documents/cebs/military_leadership_733.pdf)

### Military Science, Minor (420)

**Program Requirements (26-30 hours)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIL 101</td>
<td>Military Mountaineering and Leadership</td>
<td>6-10</td>
</tr>
<tr>
<td>&amp; MIL 102</td>
<td>and Developmental Skills</td>
<td></td>
</tr>
<tr>
<td>&amp; MIL 201</td>
<td>and Basic Leadership</td>
<td></td>
</tr>
<tr>
<td>&amp; MIL 202</td>
<td>and Team Building and Military</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Doctrine</td>
<td></td>
</tr>
<tr>
<td>MIL 210</td>
<td>Military Science Practicum (Leader's Training Course)</td>
<td>6</td>
</tr>
</tbody>
</table>

Credit for the basic course through military service (i.e., completion of the Basic Course)

- MIL 301 Military Leadership and Management
- MIL 302 Military Leadership and Advanced Tactical Skills
- MIL 401 Professional Leadership Skills
- MIL 402 Role of the Army Officer
- MIL 410 Military Science Practicum (Leadership Development and Assessment Course) (Advanced Course)

**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 Heads**

Gary A. Ransdell Hall, Office 3012
Phone: (270) 745-2695, Fax: (270) 745-6934
Email: Psych@wku.edu
Website: [http://www.wku.edu/psychology/](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.

**Degree**

- Psychology, Bachelor of Arts (760P, 760) (p. 184)

**Minors**

- Clinical and Community Behavioral Health, Minor (436) (p. 183)
- Psychology, Minor (438) (p. 186)

**Faculty**

**Professor**

- Pitt Derryberry PhD (Educational Psychology), The University of Alabama, 2001
- 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

**Associate Professor**

- Lisa C. Duffin PhD (Educational Studies, Educational Psychology), Purdue University Main Campus, 2009
- Quentin M. Hollis MA (Psychology), Western Kentucky University, 1995
- Anthony R. Paquin PhD (Psychology), Texas A & M University, 1997
- Jenni L. Redifer PhD (Educational Psychology), University of Florida, 2012
- Qin Zhao PhD (Educational Psychology), University of Florida, 2008

**Assistant Professor**

- Thomas J. Gross PhD (Educational Psychology), Oklahoma State University Main Campus, 2013
- Adam B. Lockwood PhD (Educational Psychology), Northern Arizona University, 2015
- Sarah E. Ochs PhD (School Psychology), University of Houston, 2017
- Timothy S. Thornberry PhD, Auburn University, 2013

**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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 220</td>
<td>Introduction to Lifespan Developmental Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 250</td>
<td>Adjustment and Personal Growth</td>
<td></td>
</tr>
</tbody>
</table>

**Required Introductory – Related Disciplines**

Select 6 hours in separate fields from the following: 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNS 110</td>
<td>Human Relations</td>
<td></td>
</tr>
<tr>
<td>FACS 191</td>
<td>Child Development</td>
<td></td>
</tr>
<tr>
<td>or FACS 297</td>
<td>Family, Community and Early Childhood Program</td>
<td></td>
</tr>
<tr>
<td>SWRK 101</td>
<td>Foundations of Human Services</td>
<td></td>
</tr>
<tr>
<td>or SWRK 205</td>
<td>Introduction to Social Work</td>
<td></td>
</tr>
<tr>
<td>GERO 100</td>
<td>Introduction to the Aging Experience</td>
<td></td>
</tr>
<tr>
<td>REC 220</td>
<td>Understanding the Nonprofit Sector</td>
<td></td>
</tr>
</tbody>
</table>

**Required Community Connections**

Select one of the following: 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 390</td>
<td>Field Experience in Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 470</td>
<td>Psychology and Law</td>
<td></td>
</tr>
<tr>
<td>PSY 346</td>
<td>Foundations of Clinical and Community Behavioral Health</td>
<td></td>
</tr>
<tr>
<td>SWRK 326</td>
<td>Services for the Older American</td>
<td></td>
</tr>
<tr>
<td>SWRK 356</td>
<td>Services for Juvenile Offenders and Their Families</td>
<td></td>
</tr>
<tr>
<td>SWRK 436</td>
<td>Services to Children</td>
<td></td>
</tr>
</tbody>
</table>

**Principles of Mental Health**

Select 9 hours of the following; at least 6 must be from Psychology: 9

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 355</td>
<td>Issues in Cross-Cultural Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 412</td>
<td>Psychology of Motivation and Emotion</td>
<td></td>
</tr>
<tr>
<td>PSY 422</td>
<td>Adolescent Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 440</td>
<td>Abnormal Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 441</td>
<td>Psychological Aspects of Alcoholism</td>
<td></td>
</tr>
<tr>
<td>PSY 442</td>
<td>Beginning Skills in Psychological Interviewing</td>
<td></td>
</tr>
<tr>
<td>PSY 443</td>
<td>Behavior Modification</td>
<td></td>
</tr>
<tr>
<td>PSY 445</td>
<td>Introduction to Clinical and School Psychology</td>
<td></td>
</tr>
<tr>
<td>FACS 311</td>
<td>Family Relations</td>
<td></td>
</tr>
<tr>
<td>FACS 391</td>
<td>Risk and Resilience</td>
<td></td>
</tr>
<tr>
<td>FACS 492</td>
<td>Growth and Guidance of Children</td>
<td></td>
</tr>
<tr>
<td>FACS 494</td>
<td>Parenting Strategies</td>
<td></td>
</tr>
</tbody>
</table>
## Psychology, Bachelor of Arts (760P, 760)

**Program Coordinator**  
Steven R. Wininger, steven.wininger@wku.edu, (270) 745-4421

### 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.

### Program Requirements (34-53 hours)

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). The major is restricted to students with a minimum composite ACT of 20 (or equivalent SAT) or a minimum cumulative GPA of 2.5 after 30 plus 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.

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 for Major and Concentrations

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 210</td>
<td>Research Methods in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 211</td>
<td>Research Methods in Psychology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PSY 313</td>
<td>Statistics in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 481</td>
<td>History of Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

### Select one of the following:

- **MATH 183** Introductory Statistics
- **PHIL 215** Symbolic Logic

Another mathematics course that satisfies the mathematics Colonnade Quantitative Reasoning requirement.

### General Psychology (without Concentration)

The general psychology major requires 34 hours. The following courses are required in addition to the core courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY/PSYS 220</td>
<td>Introduction to Lifespan Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 422</td>
<td>Adolescent Psychology</td>
<td></td>
</tr>
<tr>
<td>FACS 191</td>
<td>Child Development</td>
<td></td>
</tr>
<tr>
<td>GERO 100</td>
<td>Introduction to the Aging Experience</td>
<td></td>
</tr>
</tbody>
</table>

### Foundations of Behaviors

Select one of the following:

- **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:

- **PSY 350** Social Psychology
- **PSY 355** Issues in Cross-Cultural Psychology
- **PSY 371** The Psychology of Sales Behavior
- **PSY 470** Psychology and Law
- **PSYS 370** Industrial / Organizational Psychology

### Behavioral Change

Select one of the following:

- **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.

Total Hours: 21
## Forensic Psychology Concentration

The forensic psychology concentration requires 40 hours. The following courses are required in addition to the core courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Applied Development and Behavior</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td>PSY/PSYS 220</td>
<td>Introduction to Lifespan Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 422</td>
<td>Adolescent Psychology (recommended)</td>
<td></td>
</tr>
<tr>
<td>FACS 191</td>
<td>Child Development</td>
<td></td>
</tr>
<tr>
<td>GERO 100</td>
<td>Introduction to the Aging Experience</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Foundations of Behaviors</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</td>
<td>3</td>
</tr>
<tr>
<td>PSY 331</td>
<td>Psychology of Learning</td>
<td></td>
</tr>
<tr>
<td>PSY 412</td>
<td>Psychology of Motivation and Emotion</td>
<td></td>
</tr>
<tr>
<td>PSY 436</td>
<td>Applied Cognitive Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 333</td>
<td>Cognitive Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 363</td>
<td>Sensory and Perceptual Systems</td>
<td></td>
</tr>
<tr>
<td>PSYS 450</td>
<td>Psychology of Personality</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Group Behavior</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</td>
<td>3</td>
</tr>
<tr>
<td>PSY 350</td>
<td>Social Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 355</td>
<td>Issues in Cross-Cultural Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 371</td>
<td>The Psychology of Sales Behavior</td>
<td></td>
</tr>
<tr>
<td>PSY 470</td>
<td>Psychology and Law</td>
<td></td>
</tr>
<tr>
<td>PSYS 370</td>
<td>Industrial / Organizational Psychology</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Behavioral Change</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</td>
<td>3</td>
</tr>
<tr>
<td>PSY 340</td>
<td>Sport Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 440</td>
<td>Abnormal Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 442</td>
<td>Beginning Skills in Psychological Interviewing</td>
<td></td>
</tr>
<tr>
<td>PSY 443</td>
<td>Behavior Modification</td>
<td></td>
</tr>
<tr>
<td>PSY 445</td>
<td>Introduction to Clinical and School Psychology</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Forensic Psychology Concentration Courses</strong></td>
<td></td>
</tr>
<tr>
<td>PSY 350</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 440</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 470</td>
<td>Psychology and Law</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Restricted Electives</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select two of the following:</td>
<td>6</td>
</tr>
<tr>
<td>CRIM 101</td>
<td>Introduction to Criminal Justice</td>
<td></td>
</tr>
<tr>
<td>CRIM 456</td>
<td>Homicide and Serial Homicide</td>
<td></td>
</tr>
<tr>
<td>PHIL 211</td>
<td>Why Are Bad People Bad?</td>
<td></td>
</tr>
<tr>
<td>PS 220</td>
<td>Judicial Process</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td>27</td>
</tr>
</tbody>
</table>

1 With the exception of PSY 175 or PSY 310

## Sport Psychology Concentration

The sport psychology concentration requires 53 hours. The following courses are required in addition to the core courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Applied Development and Behavior</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</td>
<td>3</td>
</tr>
<tr>
<td>PSY/PSYS 220</td>
<td>Introduction to Lifespan Developmental Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 422</td>
<td>Adolescent Psychology</td>
<td></td>
</tr>
<tr>
<td>FACS 191</td>
<td>Child Development</td>
<td></td>
</tr>
<tr>
<td>GERO 100</td>
<td>Introduction to the Aging Experience</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Foundations of Behaviors</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</td>
<td>3</td>
</tr>
<tr>
<td>PSY 331</td>
<td>Psychology of Learning</td>
<td></td>
</tr>
<tr>
<td>PSYS 333</td>
<td>Cognitive Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 363</td>
<td>Sensory and Perceptual Systems</td>
<td></td>
</tr>
<tr>
<td>PSY 412</td>
<td>Psychology of Motivation and Emotion</td>
<td></td>
</tr>
<tr>
<td>PSY 436</td>
<td>Applied Cognitive Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 450</td>
<td>Psychology of Personality</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Group Behavior</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</td>
<td>3</td>
</tr>
<tr>
<td>PSY 350</td>
<td>Social Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 355</td>
<td>Issues in Cross-Cultural Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 370</td>
<td>Industrial / Organizational Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 371</td>
<td>The Psychology of Sales Behavior</td>
<td></td>
</tr>
<tr>
<td>PSY 470</td>
<td>Psychology and Law</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Behavioral Change</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</td>
<td>3</td>
</tr>
<tr>
<td>PSY 340</td>
<td>Sport Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 440</td>
<td>Abnormal Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 442</td>
<td>Beginning Skills in Psychological Interviewing</td>
<td></td>
</tr>
<tr>
<td>PSY 443</td>
<td>Behavior Modification</td>
<td></td>
</tr>
<tr>
<td>PSY 445</td>
<td>Introduction to Clinical and School Psychology</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Sport Psychology Concentration Courses</strong></td>
<td></td>
</tr>
<tr>
<td>PSY 340</td>
<td>Sport Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 412</td>
<td>Psychology of Motivation and Emotion</td>
<td>3</td>
</tr>
<tr>
<td>PSY 440</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Additional Required Courses</strong></td>
<td></td>
</tr>
<tr>
<td>BIOL 131</td>
<td>Human Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>PE 122</td>
<td>Foundations of Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>PE 311</td>
<td>Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>PE 313</td>
<td>Motor Development</td>
<td>3</td>
</tr>
<tr>
<td>HMD 211</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
</tbody>
</table>

1 Concentration courses may not be counted as category courses
HMD 364  Sports Nutrition  3
Total Hours  40

1 Concentration courses may not be counted as category courses.

**Finish in Four Plans**

*General (without Concentration):* http://wku.edu/degreepaths/19-20/documents/cebs/psych_760.pdf


**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).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Select a minimum of 18 semester hours</td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

**Total Hours**  21

**School of Professional Studies**

Dr. Tony Norman, Interim Director

Gary Ransdell Hall, 2nd Floor
Phone: (270) 745-3062
Email: professional.studies@wku.edu
Website: http://www.wku.edu/professionalstudies

The School of Professional Studies offers a variety of career-oriented associate and baccalaureate degree programs and flexible interdisciplinary baccalaureate and associate degrees. It consists of academic programs in organizational leadership, business studies, paralegal studies, real estate, and interdisciplinary studies. The School of Professional Studies is also home to University Experience, WKU's non-discipline specific first-year experience course. The school is heavily engaged in educational outreach and offers programs at the three WKU regional campus sites and in on-line, hybrid, and face-to-face formats. Additionally, the school places a strong emphasis on partnerships between WKU and community colleges (KCTCS and other two-year institutions). The academic programs within the school share a common emphasis on the delivery of transfer-, military-, and adult-friendly academic programs.

**University Experience**

Academic achievement and student success are top priorities at Western Kentucky University. Recognizing the importance of the first year in the overall undergraduate experience, University Experience (UC 175) provides academic support for first-year and transfer students and students in transition. This unit provides courses of instruction and programming to help students adjust to the college environment, improve their critical thinking, research, and learning skills, enhance their library and information literacy, and build a solid foundation for their academic and career endeavors.

**The Peer Mentoring Program**
The School of Professional Studies Peer Mentoring Program teaches students the leadership and teaching skills necessary to mentor college students enrolled in the University Experience courses or in other support programs. Students who are admitted to the program enroll in IDST 375 (3 credit hours) in the spring of their sophomore year in preparation for mentoring in the fall.

**Degrees**

- Business, Associate of Arts (288) (p. 186)
- Interdisciplinary Studies, Associate of Interdisciplinary Studies (246) (p. 188)
- Interdisciplinary Studies, Bachelor of Interdisciplinary Studies (558) (p. 188)
- Workforce Administration, Bachelor of Science (739R 739) (p. 189)

**Certificates**

- Real Estate, Certificate (195) (p. 189)

**Faculty**

**Professor**
Dennis K. George PhD (Environment Sci & Engr), University of North Carolina Chapel Hill, 1994

**Associate Professor**
George Kontos EdD (Curriculum and Instruction), University of Houston, 1992
Mark A. Staynings MA (Economics), Western Kentucky University, 1993

**Assistant Professor**
Said Ghezal PhD (Organization and Management, Information Technology Management), Capella University, 2011

**Instructor II**
Cortney S. Basham MAE (Student Affairs), Western Kentucky University, 2001
James B. Fulkerson MAE (Health Education, Secondary Education), Western Kentucky University, 1985
Anne L. Heintzman PhD (English Rhetoric and Composition), University of Louisville, 2010
Sara B. McCaslin MA (History), Western Kentucky University, 2002

**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.

**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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 200C</td>
<td>Introductory Accounting—Financial</td>
<td>3</td>
</tr>
<tr>
<td>ACC 201C</td>
<td>Introductory Accounting-Managerial</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 145C</td>
<td>Introduction to Computing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 100C</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>FINC 161C</td>
<td>Personal Finance</td>
<td>3</td>
</tr>
<tr>
<td>BUS 210C</td>
<td>Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 212C</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 253C</td>
<td>Management Capstone</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 100C</td>
<td>Introduction to College Writing</td>
<td>3</td>
</tr>
<tr>
<td>COMM 145</td>
<td>Fundamentals of Public Speaking and Communication</td>
<td>3</td>
</tr>
<tr>
<td>MA 116C</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>or MA 109C</td>
<td>General Mathematics</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 39

1 Students are encouraged to take the business and professional sections of this course.

**Leadership Concentration of the Business Degree**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 214C</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BUS 245C</td>
<td>Managing Diversity in the Workplace</td>
<td>3</td>
</tr>
<tr>
<td>BUS 248C</td>
<td>Supervisory Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 257C</td>
<td>Management of Human Resources</td>
<td>3</td>
</tr>
<tr>
<td>LEAD 200</td>
<td>Introduction to Leadership Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

Select six hours of 300-level or above Leadership courses 6

Total Hours 21

**Management Information Systems Concentration of the Business Degree**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INS 181C</td>
<td>Computer Programming I</td>
<td>3</td>
</tr>
<tr>
<td>INS 182C</td>
<td>Computer Operating System</td>
<td>3</td>
</tr>
<tr>
<td>INS 270C</td>
<td>Electronic Spreadsheets</td>
<td>3</td>
</tr>
<tr>
<td>INS 272C</td>
<td>Database Management</td>
<td>3</td>
</tr>
<tr>
<td>INS 275C</td>
<td>Web Page Design</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two advisor-approved INS electives 6

Total Hours 21

**Business Management Concentration of the Business Degree**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 102C</td>
<td>Introduction to Ethical Issues in Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 214C</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BUS 254C</td>
<td>Office Administration</td>
<td>3</td>
</tr>
<tr>
<td>BUS 248C</td>
<td>Supervisory Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 250C</td>
<td>Business Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>BUS 257C</td>
<td>Management of Human Resources</td>
<td>3</td>
</tr>
<tr>
<td>BUS 270C</td>
<td>Labor Relations Management</td>
<td>3</td>
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</tbody>
</table>

Total Hours 21

**Business Management Preparation Concentration of the Business Degree**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 214C</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BUS 257C</td>
<td>Management of Human Resources</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 200C</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>ECO 206C</td>
<td>Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Select nine hours of advisor approved 300-level courses 9

Total Hours 21

1 MGT, MKT, FIN, ECON, or ENT courses.

**Office Management and Supervision Concentration of the Business Degree**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 102C</td>
<td>Introduction to Ethical Issues in Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 214C</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BUS 225C</td>
<td>Records and Information Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 245C</td>
<td>Managing Diversity in the Workplace</td>
<td>3</td>
</tr>
<tr>
<td>BUS 248C</td>
<td>Supervisory Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 254C</td>
<td>Office Administration</td>
<td>3</td>
</tr>
<tr>
<td>BUS 257C</td>
<td>Management of Human Resources</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 21

**Real Estate Concentration of the Business Degree**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RE 170C</td>
<td>Essentials of Real Estate</td>
<td>3</td>
</tr>
<tr>
<td>RE 171C</td>
<td>Real Estate Brokerage Operation</td>
<td>3</td>
</tr>
<tr>
<td>RE 272C</td>
<td>Real Estate Finance</td>
<td>3</td>
</tr>
<tr>
<td>RE 273C</td>
<td>Real Estate Law</td>
<td>3</td>
</tr>
<tr>
<td>RE 274C</td>
<td>Real Estate Appraisals</td>
<td>3</td>
</tr>
</tbody>
</table>

Select a Real Estate elective 3

Select a Business elective 3

Total Hours 21

1 BUS 230C Internship strongly recommended.
Interdisciplinary Studies, Associate of Interdisciplinary Studies (246)

Program Coordinator
Antony D. Norman, tony.norman@wku.edu, (270) 745-3062

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.

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.”

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Colonnade Course Requirements</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Written Communication:</td>
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<tr>
<td>ENG 100</td>
<td>Introduction to College Writing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Oral Communication:</td>
<td></td>
</tr>
<tr>
<td>COMM 145</td>
<td>Fundamentals of Public Speaking and Communication (or other approved course)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Quantitative Reasoning:</td>
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</tr>
<tr>
<td></td>
<td>Select one of the following:</td>
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</tr>
<tr>
<td>MATH 109</td>
<td>General Mathematics</td>
<td></td>
</tr>
<tr>
<td>MATH 116</td>
<td>College Algebra (or other approved course)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Natural and Physical Sciences course</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Arts and Humanities:</td>
<td></td>
</tr>
<tr>
<td>ENG 200</td>
<td>Introduction to Literature (or other approved course)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select an Explorations AH course</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Social and Behavioral Sciences:</td>
<td></td>
</tr>
<tr>
<td>HIST 101</td>
<td>World History I</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 102</td>
<td>World History II</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Areas of Emphasis</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 27 hours in the areas of emphasis with a minimum of 9 hours in each of the following areas: (^1)</td>
<td>27</td>
</tr>
<tr>
<td></td>
<td>Arts</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Humanities</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Science</td>
<td></td>
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<tr>
<td></td>
<td>Business</td>
<td></td>
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<tr>
<td></td>
<td>Education</td>
<td></td>
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<tr>
<td></td>
<td>Technology</td>
<td></td>
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<tr>
<td></td>
<td>Health</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Social and Behavioral Science</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Organization and Communication of Ideas</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Social Justice and Equity Studies</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Electives</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 12 hours of electives</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Total Hours</td>
<td>60</td>
</tr>
</tbody>
</table>

\(^1\) 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 alternative to a traditional major program. The integration of studies within an overarching emphasis (complementary courses from different disciplines or academic programs) allows considerable latitude and flexibility to satisfy individual interests and needs.

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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/
The student must complete an emphasis of at least 36 semester hours. These hours will include a capstone course (student may choose from IDST 495 or IDST 499). Students wishing to earn 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 emphasis in the BIS.

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.

**Program Requirements (27 hours)**

The one-year program in Real Estate requires a minimum of 27 credit hours and leads to a certificate.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RE 170C</td>
<td>Essentials of Real Estate</td>
<td>3</td>
</tr>
<tr>
<td>RE 171C</td>
<td>Real Estate Brokerage Operation</td>
<td>3</td>
</tr>
<tr>
<td>RE 172C</td>
<td>Real Estate Marketing</td>
<td>3</td>
</tr>
<tr>
<td>RE 272C</td>
<td>Real Estate Finance</td>
<td>3</td>
</tr>
<tr>
<td>RE 273C</td>
<td>Real Estate Law</td>
<td>3</td>
</tr>
<tr>
<td>RE 274C</td>
<td>Real Estate Appraisals</td>
<td>3</td>
</tr>
<tr>
<td>RE 275C</td>
<td>Property Management</td>
<td>3</td>
</tr>
<tr>
<td>RE 276C</td>
<td>Real Estate Investment Analysis and Management</td>
<td>3</td>
</tr>
<tr>
<td>RE 280C</td>
<td>Advanced Real Estate Appraisal</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 27

**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](http://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 eight-course (24-hour) core curriculum consisting of WFA 300, WFA 346, WFA 347, WFA 348, WFA 443, WFA 444, WFA 446, and WFA 447. Each student also completes at least one five-course (15-hour) concentration. Students must also complete 9 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WFA 300</td>
<td>Workforce Administration and Practice</td>
<td>3</td>
</tr>
<tr>
<td>WFA 346</td>
<td>Workforce Resource Development</td>
<td>3</td>
</tr>
<tr>
<td>WFA 347</td>
<td>Workforce Linkage and Applications</td>
<td>3</td>
</tr>
<tr>
<td>WFA 348</td>
<td>Workforce Structure</td>
<td>3</td>
</tr>
<tr>
<td>WFA 443</td>
<td>Workforce Planning and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>WFA 444</td>
<td>Workforce Operations and Control</td>
<td>3</td>
</tr>
<tr>
<td>WFA 446</td>
<td>Workforce Reporting and Development</td>
<td>3</td>
</tr>
<tr>
<td>WFA 447</td>
<td>Workforce Processes and Technologies</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Hours:** 24

### Program Electives

Select 9 hours of relevant electives completed in consultation with advisor

Select a 15-hour concentration

**Total Hours:** 24

### Administrative Systems Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 260</td>
<td>Organizational Interviewing</td>
<td>3</td>
</tr>
<tr>
<td>COMM 346</td>
<td>Persuasion</td>
<td>3</td>
</tr>
<tr>
<td>COMM 349</td>
<td>Small Group Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 362</td>
<td>Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>ENG 306</td>
<td>Business Writing</td>
<td>3</td>
</tr>
<tr>
<td>AD 240</td>
<td>Advertising in a Digital World</td>
<td>3</td>
</tr>
<tr>
<td>BE 350</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BE 362</td>
<td>Introduction to Office Systems</td>
<td>3</td>
</tr>
<tr>
<td>PSYS 370</td>
<td>Industrial / Organizational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 371</td>
<td>The Psychology of Sales Behavior</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Hours:** 30

Additionally, any course that may be used to satisfy the minor in business administration (see GFCB minor). Note: no more than 12 hours of upper-division electives may be taken from the College of Business course offerings.

### Agricultural Systems Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>AGRI 108</td>
<td>Rural Sociology</td>
<td>3</td>
</tr>
<tr>
<td>AGRI 280</td>
<td>Introduction to Environmental Science</td>
<td>3</td>
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</table>

### Criminology Systems Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CRIM 232</td>
<td>Introduction to Law Enforcement</td>
<td>3</td>
</tr>
<tr>
<td>CRIM 330</td>
<td>Criminology</td>
<td>3</td>
</tr>
<tr>
<td>CRIM 332</td>
<td>Juvenile Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>PS 328</td>
<td>Criminal Justice Procedures</td>
<td>3</td>
</tr>
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</table>

Select three hours of advisor approved upper division electives

**Total Hours:** 15

### Digital Media Technologies Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 320</td>
<td>Personal Information Technologies</td>
<td>3</td>
</tr>
<tr>
<td>BCOM 264</td>
<td>Digital Video Production and Distribution</td>
<td>3</td>
</tr>
<tr>
<td>BCOM 366</td>
<td>Editing I</td>
<td>3</td>
</tr>
<tr>
<td>BCOM 367</td>
<td>Field Production</td>
<td>3</td>
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<tr>
<td>BCOM 480</td>
<td>Editing III</td>
<td>3</td>
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</tbody>
</table>

**Total Hours:** 15

### Fire / Rescue Administration Concentration

The following courses are offered through KCTCS.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>FRS 104</td>
<td>Firefighters Intermediate Skills I</td>
<td>3</td>
</tr>
<tr>
<td>FRS 105</td>
<td>Firefighters Intermediate Skills II</td>
<td>3</td>
</tr>
<tr>
<td>FRS 201</td>
<td>Firefighters Advanced Skills I</td>
<td>3</td>
</tr>
<tr>
<td>FRS 1027</td>
<td>Emergency Disaster Planning I</td>
<td>3</td>
</tr>
<tr>
<td>FRS 1047</td>
<td>Hazardous Materials Operations</td>
<td>3</td>
</tr>
<tr>
<td>FRS 2016</td>
<td>Emergency Disaster Planning II</td>
<td>3</td>
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<tr>
<td>FRS 2026</td>
<td>Fire Prevention, Public Education and Fire Cause Determination I</td>
<td>3</td>
</tr>
<tr>
<td>FRS 2051</td>
<td>Fire Prevention, Public Education and Fire Cause Determination II</td>
<td>3</td>
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<tr>
<td>FRS 2071</td>
<td>Company Officer</td>
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</table>

**Total Hours:** 27

### Geographic Information Systems Concentration

<table>
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<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>GISC 316</td>
<td>Fundamentals of GIS</td>
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<tr>
<td>GISC 317</td>
<td>Geographic Information Systems</td>
<td>4</td>
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<tr>
<td>GISC 417</td>
<td>GIS Analysis &amp; Modeling</td>
<td>3</td>
</tr>
<tr>
<td>Code</td>
<td>Title</td>
<td>Hours</td>
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<tr>
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<tr>
<td>GISC 419</td>
<td>GIS Programming</td>
<td>3</td>
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<tr>
<td>GISC 443</td>
<td>GIS Databases</td>
<td>3</td>
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<tr>
<td>GISC 477</td>
<td>Special Topics in GIS</td>
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### Government Systems Concentration

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<tbody>
<tr>
<td>PS 110</td>
<td>American National Government</td>
<td>3</td>
</tr>
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<td>PS 338</td>
<td>Government and Ethics</td>
<td>3</td>
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<tr>
<td>PS 355</td>
<td>International Organization and Law</td>
<td>3</td>
</tr>
<tr>
<td>PS 412</td>
<td>Kentucky Government and Politics</td>
<td>3</td>
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<tr>
<td>ECON 420</td>
<td>Public Sector Economics</td>
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### Healthcare Informatics Concentration

<table>
<thead>
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<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HCA 340</td>
<td>Health Care Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>HCA 342</td>
<td>Human Resources Management for Healthcare Managers</td>
<td>3</td>
</tr>
<tr>
<td>HCA 343</td>
<td>Quality Management for Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>HCA 344</td>
<td>Health Systems Management</td>
<td>3</td>
</tr>
<tr>
<td>HCA 346</td>
<td>Ambulatory Care Administration</td>
<td>3</td>
</tr>
<tr>
<td>HCA 347</td>
<td>International Comparisons of Health Care Systems</td>
<td>3</td>
</tr>
<tr>
<td>HCA 442</td>
<td>Principles and Methods of Health Planning</td>
<td>3</td>
</tr>
<tr>
<td>HCA 445</td>
<td>Health Care Finance</td>
<td>3</td>
</tr>
<tr>
<td>HCA 446</td>
<td>Health Care Informatics</td>
<td>3</td>
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<tr>
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<td><strong>Total Hours</strong></td>
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### Human Resource Development Concentration

<table>
<thead>
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<th>Hours</th>
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<tbody>
<tr>
<td>AMS 310</td>
<td>Ergonomics and Safety</td>
<td>3</td>
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<tr>
<td>COMM 260</td>
<td>Organizational Interviewing</td>
<td>3</td>
</tr>
<tr>
<td>MGT 311</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 400</td>
<td>Employment Law</td>
<td>3</td>
</tr>
<tr>
<td>MGT 411</td>
<td>Effective Staffing Practices</td>
<td>3</td>
</tr>
<tr>
<td>MGT 414</td>
<td>Compensation Administration</td>
<td>3</td>
</tr>
<tr>
<td>MGT 416</td>
<td>Management of Labor Relations</td>
<td>3</td>
</tr>
<tr>
<td>MGT 473</td>
<td>Training in Business and Industry</td>
<td>3</td>
</tr>
<tr>
<td>PR 255</td>
<td>Fundamentals of Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>PSY 331</td>
<td>Psychology of Learning</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 312</td>
<td>Collective Behavior and Social Movements</td>
<td>3</td>
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### Information Systems Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>CIT 310</td>
<td>Systems Architecture I</td>
<td>3</td>
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<tr>
<td>CIT 330</td>
<td>Systems Development I</td>
<td>3</td>
</tr>
<tr>
<td>or CIS 226</td>
<td>Introduction to Visual Programming</td>
<td>3</td>
</tr>
<tr>
<td>CIT 350</td>
<td>Database Administration I</td>
<td>3</td>
</tr>
<tr>
<td>CIT 370</td>
<td>Telecommunications I</td>
<td>3</td>
</tr>
<tr>
<td>CIS 243</td>
<td>Principles of MIS</td>
<td>3</td>
</tr>
<tr>
<td>CIS 320</td>
<td>Personal Information Technologies</td>
<td>3</td>
</tr>
<tr>
<td>CIS 321</td>
<td>Emerging Information Technologies</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
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</table>

### Law Enforcement Administration Concentration

The following courses are offered through KCTCS.

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRJ 201</td>
<td>Introduction to Criminalistics</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 204</td>
<td>Criminal Investigations</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 210</td>
<td>Physical Security Technology &amp; Systems</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 215</td>
<td>Introduction to Law Enforcement</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 216</td>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 217</td>
<td>Criminal Procedures</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 222</td>
<td>Prison &amp; Jail Administration</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
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</tr>
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### Leadership Concentration

<table>
<thead>
<tr>
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<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>LEAD 200</td>
<td>Introduction to Leadership Studies</td>
<td>3</td>
</tr>
<tr>
<td>LEAD 325</td>
<td>Leading Change</td>
<td>3</td>
</tr>
<tr>
<td>LEAD 330</td>
<td>Leadership Ethics and Decision-Making</td>
<td>3</td>
</tr>
<tr>
<td>LEAD 395</td>
<td>Contemporary Leadership Issues</td>
<td>3</td>
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<tr>
<td>LEAD 400</td>
<td>Practicum in Leadership</td>
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### Military Systems Concentration (Civilian Career Option)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIL 301</td>
<td>Military Leadership and Management</td>
<td>3</td>
</tr>
<tr>
<td>MIL 302</td>
<td>Military Leadership and Advanced Tactical Skills</td>
<td>4</td>
</tr>
<tr>
<td>MIL 401</td>
<td>Professional Leadership Skills</td>
<td>3</td>
</tr>
<tr>
<td>LEAD 200</td>
<td>Introduction to Leadership Studies</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td>3</td>
</tr>
</tbody>
</table>

Note: No more than 12 hours of upper-division electives may be taken from the College of Business course offerings.
### Leadership Studies Special Topics

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>LEAD 475</td>
<td>Leadership Studies Special Topics</td>
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<td>Total Hours</td>
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</table>

(ROTC students may take MIL 402.)

### Occupational Safety and Health Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENV 120</td>
<td>Introduction to Occupational Safety and Health</td>
<td>3</td>
</tr>
<tr>
<td>ENV 221</td>
<td>Safety and Health Standards, Codes, and Regulations</td>
<td>3</td>
</tr>
<tr>
<td>ENV 321</td>
<td>Fundamentals of Industrial Hygiene</td>
<td>3</td>
</tr>
<tr>
<td>ENV 322</td>
<td>Physical Hazards Recognition and Control I</td>
<td>3</td>
</tr>
<tr>
<td>ENV 375</td>
<td>Introduction to Water Resources</td>
<td>3</td>
</tr>
<tr>
<td>ENV 380</td>
<td>Principles of Environmental Toxicology</td>
<td>3</td>
</tr>
<tr>
<td>ENV 410</td>
<td>Water Treatment Processes</td>
<td>3</td>
</tr>
<tr>
<td>ENV 423</td>
<td>Safety Program Management</td>
<td>3</td>
</tr>
<tr>
<td>ENV 460</td>
<td>Environmental Management</td>
<td>3</td>
</tr>
<tr>
<td>ENV 474</td>
<td>Environmental Risk Assessment</td>
<td>3</td>
</tr>
<tr>
<td>ENV 480</td>
<td>Hazardous and Solid Waste Management</td>
<td>3</td>
</tr>
<tr>
<td>PH 385</td>
<td>Environmental Health</td>
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<td>Total Hours</td>
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### Technical Sales Concentration

<table>
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<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MKT 325</td>
<td>Personal Selling</td>
<td>3</td>
</tr>
<tr>
<td>MKT 328</td>
<td>Digital Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 424</td>
<td>Sales Force Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 425</td>
<td>Advanced Personal Selling Strategies</td>
<td>3</td>
</tr>
<tr>
<td>PSY 371</td>
<td>The Psychology of Sales Behavior</td>
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<tr>
<td>Total Hours</td>
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### Technical Training Concentration

<table>
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<tr>
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<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MGT 473</td>
<td>Training in Business and Industry</td>
<td>3</td>
</tr>
<tr>
<td>COMM 345</td>
<td>Advanced Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>COMM 346</td>
<td>Persuasion</td>
<td>3</td>
</tr>
<tr>
<td>COMM 349</td>
<td>Small Group Communication</td>
<td>3</td>
</tr>
<tr>
<td>PSY 331</td>
<td>Psychology of Learning</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td><strong>15</strong></td>
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### Technical Writing Concentration

<table>
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<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENG 301</td>
<td>Argument and Analysis in Written Discourse</td>
<td>3</td>
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<tr>
<td>ENG 306</td>
<td>Business Writing</td>
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<td>ENG 307</td>
<td>Technical Writing</td>
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<tr>
<td>ENG 401</td>
<td>Advanced Composition</td>
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### Writing and Technology

<table>
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<th>Hours</th>
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<td>ENG 415</td>
<td>Writing and Technology</td>
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<tr>
<td>Total Hours</td>
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</tr>
</tbody>
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### Finish in Four Plan


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### School of Teacher Education

Dr. Blair Thompson, Interim Director

Gary A. Ransdell Hall, Office 1092

Phone: 270-745-5414; Fax: 270-745-6322

Website: [http://www.wku.edu/ste](http://www.wku.edu/ste)

Facebook: [http://www.facebook.com/WKU School of Teacher Education](http://www.facebook.com/WKU School of Teacher Education)

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 (1092 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 (1092 GRH, 745-5414). Majors in Science and Mathematics Education are advised in the SKTeach 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).

### 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 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. 194)
- Interdisciplinary Early Childhood Education, Bachelor of Science (526) (p. 195)
- Middle Level Education in Social Studies and Language Arts, Bachelor of Science (5001) (p. 196)
- Science and Mathematics Education (SMED), Bachelor of Science (774) (p. 198)
- Special Education: Learning and Behavior Disorders and Elementary Education, Bachelor of Science (5003) (p. 199)

Certificate

- Interactive Training Design, Certificate (1725) (p. 194)

Faculty

Professor

Sylvia L. Dietrich PhD (Education), University of Tennessee, Knoxville, 2000
Stephanie K. Gandy EdD (Curriculum and Instruction), Louisiana Tech University, 2002
Cynthia R. Houston PhD (Education (Curriculum and Instruction)), Southern Illinois University, 1996
Jeanine M. Huss PhD (Environmental Science), Oklahoma State University Main Campus, 2007
Pamela M. Jukes EdD (Instruction and Administration), University of Kentucky, 1997
Margaret G. Maxwell PhD (Curriculum and Instruction), University of North Carolina Chapel Hill, 1991
John A. Moore EdD (Instruction and Administration), University of Kentucky, 1995
Pamela J. Petty EdD (Education, Elementary Education), University of Tennessee, Knoxville, 2002
Julia L. Roberts EdD, Oklahoma State University Main Campus, 1970
Blair C. Thompson PhD (Communication Studies, Educational Psychology), University of Nebraska-Lincoln, 2007

Associate Professor

Janet L. Applin PhD (Special Education), Vanderbilt University, 2005
Martha M. Day EdD (Administration & Supervision), Tennessee State University, 1998
Xiaoxia Huang PhD (Instructional Systems), Florida State University, 2007
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
Elizabeth G. Kirby EdD (Learning and Instruction), University of San Francisco, 2008
Jema D. Knotts PhD (Education, Special Education), Southern Illinois University Carbondale, 1997
Michael L. McDonald PhD (Practical Arts and Voc-Tech Education, Business & Office Education), University of Missouri-Columbia, 1997
Christina R. Noel PhD (Special Education), Vanderbilt University, 2013
Andrea Paganelli PhD (Instructional Leadership), The University of Alabama, 2010
Rebecca R. Stobaugh PhD (Educational Administration), University of Louisville, 2003
Antonia M. Szymanski PhD (Psychological and Quantitative Foundations), University of Iowa, 2011

Janet L. Tassell PhD (Curriculum & Instruction), Indiana University-Bloomington, 2002

Assistant Professor

Erin E. Margarella PhD (Curriculum and Instruction), University of South Florida, 2016
Julia A. Mittelberg PhD (Curriculum and Instruction), Kansas State University, 2014
Kandy C. Smith PhD (Education, Teacher Education), University of Tennessee, Knoxville, 2014

Professional-In-Residence

David F. Almand MS (Mathematics), Western Kentucky University, 1982
David L. Bell MS (Mathematics), Middle Tennessee State University, 1986
Lynn A. Hines EdD (Educational Leadership), Western Kentucky University, 2013
Melissa I. Rudloff MAE (Math-Science Education, Secondary Education), Western Kentucky University, 1994

Clinical Assistant Professor

Jeremy R. Logsdon EdD (Educational Leadership, Postsecondary Leadership), Western Kentucky University, 2016
Daniel J. Super EdD (Educational Leadership), Western Kentucky University, 2016

Instructor I

Kristy L. Cartwright MS (Education, Elementary Reading and Literacy), Walden University, 2005
Sherrie E. Godbey EdD (Higher Education, Health Care Education), Nova Southeastern University, 1999
Melia A. Mattingly MAE (School Counseling- Elementary), Western Kentucky University, 1996
Anne D. Patterson MAE, Western Kentucky University, 1977

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEC 350</td>
<td>Clinical Practices in Secondary Teaching I</td>
<td>8</td>
</tr>
<tr>
<td>SEC 450</td>
<td>Clinical Practices in Secondary Teaching II</td>
<td>1</td>
</tr>
<tr>
<td>SEC 490</td>
<td>Student Teaching</td>
<td>5-10</td>
</tr>
<tr>
<td>EDU 250</td>
<td>Discover Teaching: Introduction to Teacher Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU 489</td>
<td>Student Teaching Seminar</td>
<td>3</td>
</tr>
<tr>
<td>Select a methods course for each certification area</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSY 310</td>
<td>Educational Psychology: Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>LTCY 421</td>
<td>Content Area Reading in the Middle and Secondary Grades</td>
<td>3</td>
</tr>
</tbody>
</table>

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 2051, 270-745-6249. Refer to the School of Teacher Education website for additional information: http://www.wku.edu/ste.

Elementary Education, Bachelor of Science (527)

Program Coordinator
Susan Keesey, susan.keesey@wku.edu, (270) 745-5414

The elementary education program leads to the 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.

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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MATH 205</td>
<td>Number Systems and Number Theory for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>MATH 206</td>
<td>Fundamentals of Geometry for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>MATH 308</td>
<td>Rational Numbers and Data Analysis for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>LME 318</td>
<td>Children's Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 302</td>
<td>Language and Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPED 330</td>
<td>Introduction to Exceptional Education: Diversity in Learning</td>
<td>3</td>
</tr>
<tr>
<td>ART 310</td>
<td>Art Education in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>MUS 311</td>
<td>Music for the Elementary Teacher</td>
<td>3</td>
</tr>
<tr>
<td>MUS 314</td>
<td>Comprehensive Arts Education for the Elementary Teacher</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE 354</td>
<td>Physical Education for Elementary Schools</td>
<td></td>
</tr>
<tr>
<td>GEG 352</td>
<td>Geography of Kentucky</td>
<td></td>
</tr>
<tr>
<td>or HIST 456</td>
<td>Kentucky History</td>
<td></td>
</tr>
<tr>
<td>CIS 141</td>
<td>Basic Computer Literacy</td>
<td></td>
</tr>
<tr>
<td>or LME 448</td>
<td>Technology Applications in Education</td>
<td></td>
</tr>
<tr>
<td>EDU 250</td>
<td>Discover Teaching: Introduction to Teacher Education</td>
<td>3</td>
</tr>
<tr>
<td>PSY 310</td>
<td>Educational Psychology: Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>LTCY 320</td>
<td>Foundations of Teaching Literacy in the Elementary Grades</td>
<td>3</td>
</tr>
<tr>
<td>ELED 345</td>
<td>Teaching Strategies for Elementary Teachers</td>
<td>3</td>
</tr>
<tr>
<td>ELED 355</td>
<td>Student Diversity in the Classroom</td>
<td>3</td>
</tr>
<tr>
<td>ELED 365</td>
<td>Teaching Strategies for Elementary Teachers II</td>
<td>3</td>
</tr>
<tr>
<td>ELED 407</td>
<td>Materials and Methods in Social Studies</td>
<td>3</td>
</tr>
<tr>
<td>LTCY 420</td>
<td>Literacy Methods in the Elementary Grades</td>
<td>3</td>
</tr>
<tr>
<td>ELED 465</td>
<td>Senior Projects in Elementary Education</td>
<td>3</td>
</tr>
<tr>
<td>ELED 405</td>
<td>Teaching Mathematics in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>ELED 406</td>
<td>Teaching Science in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>EDU 489</td>
<td>Student Teaching Seminar</td>
<td>3</td>
</tr>
<tr>
<td>ELED 490</td>
<td>Student Teaching</td>
<td>5-10</td>
</tr>
</tbody>
</table>

Total Hours 77-82

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 1092, 270-745-5414. Refer to the School of Teacher Education website (http://www.wku.edu/ste) for additional information.

Finish in Four Plan

Interactive Training Design, Certificate (1725)

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 12-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 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 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 application 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 Coordinator
Susan Keesey, susan.keesey@wku.edu, (270) 745-5414

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 addresses the diverse needs of children and families through individual and community engagement; and
- in leadership opportunities and activities within the EC / ECSE field.

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.

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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FACS 191</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>FACS 192</td>
<td>Working with Young Children and Families</td>
<td>3</td>
</tr>
<tr>
<td>FACS 335</td>
<td>Infant/Toddler Development and Curriculum</td>
<td>3</td>
</tr>
</tbody>
</table>

Interdisciplinary Early Childhood Education, Bachelor of Science (526)
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/degreepaths/19-20/documents/cebs/bs_interdisciplinary_early_childhood_education_526.pdf).

**Finish in Four Plan**


**Middle Level Education in Social Studies and Language Arts, Bachelor of Science (5001)**

Program Coordinator
Susan Keesey, susan.keesey@wku.edu, (270) 745-5414

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. Three concentrations are available:

1. Dual area teacher certification in middle level social studies and language arts/communication
2. Single area teacher certification in middle level social studies
3. Single area teacher certification in middle level language arts/communication.

**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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEC 350</td>
<td>Clinical Practices in Secondary Teaching I</td>
<td>8</td>
</tr>
<tr>
<td>SEC 450</td>
<td>Clinical Practices in Secondary Teaching II</td>
<td>1</td>
</tr>
<tr>
<td>SEC 490</td>
<td>Student Teaching</td>
<td>5-10</td>
</tr>
<tr>
<td>EDU 250</td>
<td>Discover Teaching: Introduction to Teacher Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU 489</td>
<td>Student Teaching Seminar</td>
<td>3</td>
</tr>
<tr>
<td>LTCY 421</td>
<td>Content Area Reading in the Middle and Secondary Grades</td>
<td>3</td>
</tr>
</tbody>
</table>

Select a methods course for each certification area

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 310</td>
<td>Educational Psychology Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>LTCY 421</td>
<td>Content Area Reading in the Middle and Secondary Grades</td>
<td>3</td>
</tr>
</tbody>
</table>

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 2051, 270-745-6249. Refer to the School of Teacher Education website for additional information: http://www.wku.edu/ste.

Program Requirements (70-94 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.

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

<table>
<thead>
<tr>
<th>Code</th>
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<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGE 275</td>
<td>Foundations of Middle Grades Instruction</td>
<td>3</td>
</tr>
<tr>
<td>PSY 310</td>
<td>Educational Psychology: Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>SPED 330</td>
<td>Introduction to Exceptional Education: Diversity in Learning</td>
<td>3</td>
</tr>
<tr>
<td>PSY 421</td>
<td>Psychology of Early Adolescence</td>
<td>3</td>
</tr>
<tr>
<td>or PSY 422</td>
<td>Adolescent Psychology</td>
<td>3</td>
</tr>
<tr>
<td>LTCY 421</td>
<td>Content Area Reading in the Middle and Secondary Grades</td>
<td>3</td>
</tr>
<tr>
<td>MGE 385</td>
<td>Middle Grades Teaching Strategies</td>
<td>3</td>
</tr>
<tr>
<td>MGE 490</td>
<td>Student Teaching</td>
<td>10</td>
</tr>
<tr>
<td>EDU 489</td>
<td>Student Teaching Seminar</td>
<td>3</td>
</tr>
<tr>
<td>CIS 141</td>
<td>Basic Computer Literacy</td>
<td>3</td>
</tr>
<tr>
<td>or LME 448</td>
<td>Technology Applications in Education</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours</td>
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<td>43-45</td>
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</tbody>
</table>

1 Generally taken as part of the Colonnade program

Concentration 1: Dual Area Certification in Middle Level Social Studies and Language Arts/Communication

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MGE 475</td>
<td>Teaching Language Arts</td>
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</tr>
<tr>
<td>MGE 481</td>
<td>Teaching Social Studies</td>
<td>3</td>
</tr>
<tr>
<td>HIST 101</td>
<td>World History I</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 102</td>
<td>World History II</td>
<td>3</td>
</tr>
<tr>
<td>HIST 240</td>
<td>The United States to 1865</td>
<td>3</td>
</tr>
<tr>
<td>HIST 241</td>
<td>The United States Since 1865</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 110</td>
<td>World Regional Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 360</td>
<td>Geography of North America</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3-6</td>
</tr>
<tr>
<td>ECON 150</td>
<td>Introduction to Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 202 &amp; ECON 203</td>
<td>Principles of Economics (Micro) and Principles of Economics (Macro)</td>
<td>3</td>
</tr>
<tr>
<td>PS 110</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>SOC 100</td>
<td>Introductory Sociology</td>
<td>3</td>
</tr>
<tr>
<td>or ANTH 120</td>
<td>Introduction to Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>Select a 3-hour elective from an upper-division, non U.S., non-European history course</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HIST 360</td>
<td>History of Africa</td>
<td>3</td>
</tr>
<tr>
<td>HIST 364</td>
<td>Colonial Latin America, 1400-1825</td>
<td>3</td>
</tr>
<tr>
<td>HIST 365</td>
<td>Modern Latin America, 1800-Present</td>
<td>3</td>
</tr>
<tr>
<td>HIST 370</td>
<td>Modern South Asia: from Empires to Nations</td>
<td>3</td>
</tr>
<tr>
<td>HIST 460</td>
<td>Traditional East Asia</td>
<td>3</td>
</tr>
<tr>
<td>HIST 461</td>
<td>Modern East Asia</td>
<td>3</td>
</tr>
<tr>
<td>HIST 462</td>
<td>History of the Middle East</td>
<td>3</td>
</tr>
<tr>
<td>HIST 464</td>
<td>Latin America and the United States</td>
<td>3</td>
</tr>
<tr>
<td>HIST 465</td>
<td>The Mexican Republic</td>
<td>3</td>
</tr>
<tr>
<td>HIST 471</td>
<td>Modern China</td>
<td>3</td>
</tr>
<tr>
<td>HIST 472</td>
<td>Modern Japan</td>
<td>3</td>
</tr>
<tr>
<td>HIST 479</td>
<td>Topics in World History</td>
<td>3</td>
</tr>
<tr>
<td>Language Arts/Communication (dual area certification)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 100</td>
<td>Introduction to College Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENG 300</td>
<td>Writing in the Disciplines</td>
<td>3</td>
</tr>
<tr>
<td>ENG 302</td>
<td>Language and Communication</td>
<td>3</td>
</tr>
<tr>
<td>ENG 391</td>
<td>Survey of American Literature I</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 392</td>
<td>Survey of American Literature II</td>
<td>3</td>
</tr>
<tr>
<td>COMM 145</td>
<td>Fundamentals of Public Speaking and Communication</td>
<td>3</td>
</tr>
<tr>
<td>LME 407</td>
<td>Literature for Young Adults</td>
<td>3</td>
</tr>
<tr>
<td>Select two of the following:</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>ENG 301</td>
<td>Argument and Analysis in Written Discourse</td>
<td>3</td>
</tr>
<tr>
<td>ENG 401</td>
<td>Advanced Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENG 410</td>
<td>Composition Theory and Practice in Writing Instruction</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>57-60</td>
</tr>
</tbody>
</table>

Concentration 2: Single Area Teacher Certification in Middle Level Social Studies

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGE 481</td>
<td>Teaching Social Studies</td>
<td>3</td>
</tr>
<tr>
<td>HIST 101</td>
<td>World History I</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 102</td>
<td>World History II</td>
<td>3</td>
</tr>
<tr>
<td>HIST 240</td>
<td>The United States to 1865</td>
<td>3</td>
</tr>
<tr>
<td>HIST 241</td>
<td>The United States Since 1865</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours for this concentration: 91-94
### Concentration 3: Single Area Teacher Certification in Middle Level Language Arts/Communication

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGE 475</td>
<td>Teaching Language Arts</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Professional Education Coursework</strong></td>
<td></td>
</tr>
<tr>
<td>ENG 100</td>
<td>Introduction to College Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENG 204</td>
<td>English Language</td>
<td>3</td>
</tr>
<tr>
<td>ENG 300</td>
<td>Writing in the Disciplines</td>
<td>3</td>
</tr>
<tr>
<td>ENG 301</td>
<td>Argument and Analysis in Written Discourse</td>
<td>3</td>
</tr>
<tr>
<td>ENG 302</td>
<td>Language and Communication</td>
<td>3</td>
</tr>
<tr>
<td>ENG 391</td>
<td>Survey of American Literature I</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 392</td>
<td>Survey of American Literature II</td>
<td></td>
</tr>
<tr>
<td>ENG 401</td>
<td>Advanced Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENG 410</td>
<td>Composition Theory and Practice in Writing Instruction</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Language Arts/Communication (single area teacher certification)</strong></td>
<td></td>
</tr>
<tr>
<td>LME 407</td>
<td>Literature for Young Adults</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td>39-42</td>
</tr>
</tbody>
</table>

**Total Hours for this concentration:** 70

Students must be admitted to professional education before enrolling in LTCY 421. See http://www.wku.edu/teacherservices for details on the requirements for admission to professional education.

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.

Students in the Middle Level Education in Social Studies and Language Arts program receive advising in the School of Teacher Education, GRH 1092, (270) 745-5414. Refer to the School of Teacher Education website (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.

Individuals who have or are eligible for certification in middle school math or science and who wish to seek either middle level social studies or middle level language arts/communication certification are required to complete the content coursework indicated for dual area certification with the corresponding methods course and LTCY 421.

### Finish in Four Plans

- **Middle Level Education Language Arts/Communication single area certification:** http://wku.edu/degreepaths/19-20/documents/cebs/mle_socialstudies_and_languagearts_mela_5001.pdf
- **Middle Level Education Social Studies/Language Arts dual certification:** http://wku.edu/degreepaths/19-20/documents/cebs/mle_socialstudies_and_languagearts_mesd_5001.pdf
- **Middle Level Education Social Studies single area certification:** http://wku.edu/degreepaths/19-20/documents/cebs/mle_socialstudies_and_languagearts_mess_5001.pdf

### Science and Mathematics Education (SMED), Bachelor of Science (774)

**Program Coordinator**
Martha M. Day, martha.day@wku.edu, (000) 000-0000

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 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.

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 37 hours of professional education courses. The recommended Colonnade mathematics course is either MATH 117 or MATH 118. The required courses are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMED 101</td>
<td>Step 1: Introduction to Inquiry-Based Approaches to Teaching</td>
<td>1</td>
</tr>
<tr>
<td>SMED 102</td>
<td>Step 2: Introduction to Inquiry-Based Lesson Design</td>
<td>2</td>
</tr>
<tr>
<td>SMED 310</td>
<td>Knowing and Learning in Mathematics and Science</td>
<td>3</td>
</tr>
<tr>
<td>SMED 320</td>
<td>Classroom Interactions</td>
<td>3</td>
</tr>
<tr>
<td>SPED 330</td>
<td>Introduction to Exceptional Education: Diversity in Learning</td>
<td>3</td>
</tr>
<tr>
<td>SMED 340</td>
<td>Perspectives on Mathematics and Science</td>
<td>3</td>
</tr>
<tr>
<td>SMED 360</td>
<td>Research Methods for Math and Science Teachers</td>
<td>3</td>
</tr>
<tr>
<td>SMED 470</td>
<td>Project-Based Instruction</td>
<td>3</td>
</tr>
<tr>
<td>SMED 489</td>
<td>SMED Student Teaching Seminar</td>
<td>3</td>
</tr>
<tr>
<td>LTCY 421</td>
<td>Content Area Reading in the Middle and Secondary Grades</td>
<td>3</td>
</tr>
<tr>
<td>MGE/SEC 490</td>
<td>Student Teaching ¹</td>
<td>10</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>37</strong></td>
</tr>
</tbody>
</table>

¹ MGE 490 for students seeking middle grades certification or SEC 490 for students seeking secondary certification.

The science and mathematics education program requires completion of 37 hours of professional education courses. The recommended Colonnade mathematics course is either MATH 117 or MATH 118. The required courses are:

<table>
<thead>
<tr>
<th>Major/Concentration</th>
<th>Department</th>
<th>Leading to Teacher Certification in Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>Middle Grades Math</td>
<td>Department of Mathematics</td>
<td>Grades 5-9</td>
</tr>
<tr>
<td>Sample Degree Path:</td>
<td><a href="http://wku.edu/degreepaths/18-19/">http://wku.edu/degreepaths/18-19/</a></td>
<td></td>
</tr>
<tr>
<td></td>
<td>documents/cebs/middle_grade_math_730_774.pdf</td>
<td></td>
</tr>
<tr>
<td>Middle School Science</td>
<td>OCSE Dean's Office</td>
<td>Grades 5-9</td>
</tr>
<tr>
<td>Sample Degree Path:</td>
<td><a href="http://wku.edu/degreepaths/18-19/">http://wku.edu/degreepaths/18-19/</a></td>
<td></td>
</tr>
<tr>
<td></td>
<td>documents/cebs/middle_grade_science_7</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>Department of Biology</td>
<td>Grades 8-12</td>
</tr>
<tr>
<td>Sample Degree Path:</td>
<td><a href="http://wku.edu/degreepaths/18-19/">http://wku.edu/degreepaths/18-19/</a></td>
<td></td>
</tr>
<tr>
<td></td>
<td>documents/cebs/education_biology_617_774.pdf</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>Department of Chemistry</td>
<td>Grades 8-12</td>
</tr>
<tr>
<td>Sample Degree Path:</td>
<td><a href="http://wku.edu/degreepaths/18-19/">http://wku.edu/degreepaths/18-19/</a></td>
<td></td>
</tr>
<tr>
<td></td>
<td>documents/cebs/education_chemistry_62</td>
<td></td>
</tr>
<tr>
<td>Geology, Earth and Space Science Concentration</td>
<td>Department of Geography and Geology</td>
<td>Grades 8-12</td>
</tr>
<tr>
<td>Sample Degree Path:</td>
<td><a href="http://wku.edu/degreepaths/18-19/">http://wku.edu/degreepaths/18-19/</a></td>
<td></td>
</tr>
<tr>
<td></td>
<td>documents/cebs/education_geol_earth_space_sci_676_774.pdf</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>Department of Mathematics</td>
<td>Grades 8-12</td>
</tr>
<tr>
<td>Sample Degree Path:</td>
<td><a href="http://wku.edu/degreepaths/18-19/">http://wku.edu/degreepaths/18-19/</a></td>
<td></td>
</tr>
<tr>
<td></td>
<td>documents/cebs/middle_grade_math_730</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>Department of Physics</td>
<td>Grades 8-12</td>
</tr>
<tr>
<td>Sample Degree Path:</td>
<td><a href="http://wku.edu/degreepaths/18-19/">http://wku.edu/degreepaths/18-19/</a></td>
<td></td>
</tr>
<tr>
<td></td>
<td>documents/cebs/education_physics_754_774.pdf</td>
<td></td>
</tr>
</tbody>
</table>

Special Education: Learning and Behavior Disorders and Elementary Education, Bachelor of Science (5003)

Program Coordinator
Susan Keesey, susan.keesey@wku.edu, (270) 745-5414

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](http://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).

<table>
<thead>
<tr>
<th>Code</th>
<th>Related Studies Courses</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MATH 205</td>
<td></td>
<td>Number Systems and Number Theory for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>MATH 206</td>
<td></td>
<td>Fundamentals of Geometry for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>MATH 308</td>
<td></td>
<td>Rational Numbers and Data Analysis for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>LME 318</td>
<td></td>
<td>Children's Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 300</td>
<td></td>
<td>Writing in the Disciplines</td>
<td>3</td>
</tr>
<tr>
<td>MUS 314</td>
<td></td>
<td>Comprehensive Arts Education for the Elementary Teacher</td>
<td>3</td>
</tr>
<tr>
<td>PE 354</td>
<td></td>
<td>Physical Education for Elementary Schools</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 452</td>
<td></td>
<td>Applied Geoscience Field Experiences</td>
<td>1-6</td>
</tr>
<tr>
<td>or HIST 456</td>
<td></td>
<td>Kentucky History</td>
<td></td>
</tr>
<tr>
<td>CIS 141</td>
<td></td>
<td>Basic Computer Literacy</td>
<td>3</td>
</tr>
<tr>
<td>or LME 448</td>
<td></td>
<td>Technology Applications in Education</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Professional Education Courses</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELED 406</td>
<td></td>
<td>Teaching Science in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>SPED 425</td>
<td></td>
<td>LBD Language Interventions: Strategies and Materials</td>
<td>3</td>
</tr>
<tr>
<td>SPED 400</td>
<td></td>
<td>Behavior Management Strategies in Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU 489</td>
<td></td>
<td>Student Teaching Seminar</td>
<td>3</td>
</tr>
<tr>
<td>SPED 490</td>
<td></td>
<td>Student Teaching: Exceptional Education</td>
<td>5-10</td>
</tr>
<tr>
<td>ELED 490</td>
<td></td>
<td>Student Teaching</td>
<td>5-10</td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>86-101</strong></td>
</tr>
</tbody>
</table>

A passing score on the PRAXIS CASE and a 2.75 GPA are required prior to enrollment in ELED 365, SPED 400, and ELED 407. 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 1092 (270) 745-5414. Refer to the School of Teacher Education website ([http://www.wku.edu/ste](http://www.wku.edu/ste)) for additional information.

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. Gregory K. Arbuckle, Interim Dean  
Greg.Arbuckle@wku.edu (greg.arbuckle@wku.edu)

Dr. Cathleen Webb, Associate Dean for Research  
Cathleen.Webb@wku.edu (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.

Ogden College is located on the campus of an earlier educational institution established in Bowling Green in 1877 as a provision in the will of Major Robert W. Ogden. The original Ogden College closed, and its properties were leased to WKU in 1928. The name Ogden reappeared when the Ogden College of Science and Technology was established within Western Kentucky University in 1965.

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. 209)
- Department of Agriculture and Food Science (p. 210)
  - Agricultural Technology and Management, Associate of Science (205) (p. 212)
  - Agriculture, Bachelor of Science (508) (p. 213)
  - Agriculture, Bachelor of Science (605) (p. 218)
  - Agriculture, Minor (308) (p. 219)
  - Floristry, Minor (369) (p. 219)
- Department of Biology (p. 219)
  - Biology, Bachelor of Science (525) (p. 220)
  - Biology, Bachelor of Science (617) (p. 222)
  - Biology, Minor (326) (p. 223)
  - Medical Laboratory Science, Bachelor of Science (5004) (p. 224)
  - Molecular Biotechnology, Bachelor of Science (738) (p. 225)
- Department of Chemistry (p. 226)
  - Chemistry, Bachelor of Science (623) (p. 227)
  - Chemistry, Minor (335) (p. 229)
- Department of Geography and Geology (p. 229)
  - Geographic Information Science, Bachelor of Science (576) (p. 230)
  - Geographic Information Systems, Certificate (174) (p. 231)
  - Geography and Environmental Studies, Bachelor of Science (675) (p. 231)
  - Geology, Bachelor of Science (577) (p. 233)
  - Meteorology, Bachelor of Science (578) (p. 235)
- Department of Mathematics (p. 235)
  - Applied Statistics, Minor (313) (p. 236)
  - Mathematics, Bachelor of Arts (528R 528) (p. 237)
  - Mathematics, Bachelor of Arts (728R 728) (p. 239)
  - Mathematics, Minor (Minor for Employment in Industry and/or Graduate Studies in Mathematics) (417) (p. 240)
  - Middle Grades Mathematics, Bachelor of Science (730P, 730) (p. 240)
- Department of Physics and Astronomy (p. 241)
Pre-Chiropractic Advisement

Advisors: Ken Crawford, Steve Huskey, Lynnita Glass

Contact: Dr. Ken Crawford
College High Hall, Office 2114
Phone: 270-745-8894 or 270-745-4449
Email: hpa@wku.edu
Website: 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 100</td>
<td>Introduction to College Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENG 300</td>
<td>Writing in the Disciplines</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 120 &amp; BIOL 121</td>
<td>Biological Concepts: Cells and Biological Concepts: Cells, Metabolism, and Genetics Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 122 &amp; BIOL 123</td>
<td>Biological Concepts: Evolution, Diversity, and Ecology</td>
<td>4</td>
</tr>
<tr>
<td>or BIOL 131</td>
<td>Human Anatomy and Physiology</td>
<td></td>
</tr>
<tr>
<td>CHEM 120 &amp; CHEM 121</td>
<td>College Chemistry I and College Chemistry I Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 222 &amp; CHEM 223</td>
<td>College Chemistry II and College Chemistry II Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 314</td>
<td>Introductory Organic Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>or CHEM 340 &amp; CHEM 341</td>
<td>Organic Chemistry I and Organic Chemistry Laboratory I</td>
<td></td>
</tr>
<tr>
<td>MATH 116</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 117</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>PSY/PSYS 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
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</tbody>
</table>

Select one of the following groups:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 231 &amp; PHYS 232 &amp; PHYS 332 &amp; PHYS 233</td>
<td>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</td>
<td></td>
</tr>
<tr>
<td>PHYS 201 &amp; PHYS 202</td>
<td>College Physics I and College Physics II</td>
<td></td>
</tr>
</tbody>
</table>

Select 15 hours of Humanities and Social Sciences electives in consultation with advisor

Total Hours: 53

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


Contact: Dr. Ken Crawford
College High Hall, Office 2114
Phone: 270-745-8894 or 270-745-4449
Email: hpa@wku.edu
Website: 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 100</td>
<td>Introduction to College Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENG 300</td>
<td>Writing in the Disciplines</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 120</td>
<td>Biological Concepts: Cells and Biological Concepts: Cells, Metabolism, and Genetics Lab</td>
<td>4</td>
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<tr>
<td>&amp; BIOL 121</td>
<td></td>
<td></td>
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<tr>
<td>BIOL 122</td>
<td>Biological Concepts: Evolution, Diversity, and Ecology and Biological Concepts: Evolution, Diversity, and Ecology Lab</td>
<td>4</td>
</tr>
<tr>
<td>&amp; BIOL 123</td>
<td></td>
<td></td>
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<tr>
<td>BIOL 226</td>
<td>Microbial Biology and Diversity and Microbial Biology and Diversity Lab</td>
<td>4</td>
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<tr>
<td>&amp; BIOL 227</td>
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</tr>
<tr>
<td>BIOL 446</td>
<td>Biochemistry I</td>
<td>3</td>
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<tr>
<td>or CHEM 446</td>
<td></td>
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<tr>
<td>CHEM 105</td>
<td>Fundamentals of General Chemistry and Fundamentals of General Chemistry Laboratory</td>
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<td>&amp; CHEM 106</td>
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<td>&amp; CHEM 107</td>
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<tr>
<td>&amp; CHEM 108</td>
<td></td>
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</tr>
<tr>
<td>CHEM 120</td>
<td>College Chemistry I and College Chemistry I Laboratory</td>
<td>5</td>
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<tr>
<td>&amp; CHEM 121</td>
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<td></td>
</tr>
<tr>
<td>CHEM 222</td>
<td>College Chemistry II and College Chemistry II Laboratory</td>
<td>5</td>
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<tr>
<td>&amp; CHEM 223</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 340</td>
<td>Organic Chemistry I and Organic Chemistry Laboratory I</td>
<td>5</td>
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<tr>
<td>&amp; CHEM 341</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 342</td>
<td>Organic Chemistry II and Organic Chemistry II Laboratory</td>
<td>5</td>
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<tr>
<td>&amp; CHEM 343</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 116</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 117</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 231</td>
<td>Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I</td>
<td>4</td>
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<tr>
<td>&amp; PHYS 232</td>
<td></td>
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</tbody>
</table>

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 head) 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
Environmental Sciences & Technology Building, Office 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.

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<tr>
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<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CHEM 105</td>
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<td>&amp; CHEM 106</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&amp; CHEM 107</td>
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<td></td>
</tr>
<tr>
<td>&amp; CHEM 108</td>
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<td></td>
</tr>
<tr>
<td>CHEM 120</td>
<td>College Chemistry I and College Chemistry I Laboratory</td>
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<tr>
<td>&amp; CHEM 121</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 222</td>
<td>College Chemistry II and College Chemistry II Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 223</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 100</td>
<td>Introduction to College Writing</td>
<td>3</td>
</tr>
<tr>
<td>MATH 300</td>
<td>Writing in the Disciplines</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 120</td>
<td>Biological Concepts: Cells and Biological Concepts: Cells, Metabolism, and Genetics Lab</td>
<td>4</td>
</tr>
<tr>
<td>&amp; BIOL 121</td>
<td></td>
<td></td>
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<tr>
<td>BIOL 222</td>
<td>Plant Biology and Diversity and Plant Biology and Diversity Lab</td>
<td>4</td>
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<tr>
<td>&amp; BIOL 223</td>
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<tr>
<td>BIOL 348</td>
<td>Plant Taxonomy</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 101</td>
<td>Concepts of Motion</td>
<td>3</td>
</tr>
<tr>
<td>MATH 116</td>
<td>College Algebra</td>
<td>3</td>
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<tr>
<td>MATH 117</td>
<td>Trigonometry</td>
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<tr>
<td>MATH 119</td>
<td>Fundamentals of Calculus</td>
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<tr>
<td>COMM 145</td>
<td>Fundamentals of Public Speaking and Communication</td>
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<tr>
<td>AGRO 110</td>
<td>Introduction to Plant Science</td>
<td>3</td>
</tr>
<tr>
<td>AGRO 350</td>
<td>Soils</td>
<td>3</td>
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<tr>
<td>SFTY 171</td>
<td>Safety and First Aid</td>
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<tr>
<td>SPAN 101</td>
<td>Elementary Spanish I</td>
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<tr>
<td>GEOL 210</td>
<td>Environment and Ecological Policy</td>
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<tr>
<td>&amp; CE 160</td>
<td>Principles of Surveying</td>
<td>4</td>
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<tr>
<td>&amp; CE 161</td>
<td>Principles of Surveying</td>
<td>4</td>
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<tr>
<td>AGE 360</td>
<td>Agricultural Economics</td>
<td>3</td>
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<tr>
<td>AGRI 291</td>
<td>Introduction to Data Analysis and Interpretation</td>
<td>3</td>
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</tbody>
</table>

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.
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 entire 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENG 100</td>
<td>Introduction to College Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENG 300</td>
<td>Writing in the Disciplines</td>
<td>3</td>
</tr>
<tr>
<td>BIO 120 &amp; BIOL 121</td>
<td>Biological Concepts: Cells and Biological Concepts: Cells, Metabolism, and Genetics Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIO 122 &amp; BIOL 123</td>
<td>Biological Concepts: Evolution, Diversity, and Ecology Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIO 224 &amp; BIOL 225</td>
<td>Animal Biology and Diversity Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 120 &amp; CHEM 121</td>
<td>College Chemistry I and College Chemistry I Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 222 &amp; CHEM 223</td>
<td>College Chemistry II and College Chemistry II Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 340 &amp; CHEM 341</td>
<td>Organic Chemistry I and Organic Chemistry Laboratory I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 342 &amp; CHEM 343</td>
<td>Organic Chemistry II and Organic Chemistry II Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>MATH 116</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 117</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MATH 136</td>
<td>Calculus I</td>
<td>4</td>
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Select one of the following groups:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 231 &amp; PHYS 232 &amp; PHYS 332 &amp; PHYS 233</td>
<td>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</td>
<td>8</td>
</tr>
</tbody>
</table>

PHYS 255 University Physics I
& PHYS 265 and University Physics II

Total Hours: 56

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 446 or CHEM 446 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 February 2016, the University of Kentucky, School of Medicine announced its intention of opening a branch medical campus in Bowling Green, KY. In partnership with The Medical Center of Bowling Green and WKU, plans are to matriculate their first class in fall 2018. Pre-medical students will 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: Lynnita Glass, Wendi Hulsey, Mark Schafer, Matthew Shake
Contact: Dr. Ken Crawford
College High Hall, Office 2114
Phone: (270) 745-8894 or 745-4449
Email: hpa@wku.edu
Website: 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. Students applying to Occupational Therapy school should take the GRE.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BIOL 131</td>
<td>Human Anatomy and Physiology</td>
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<tr>
<td>BIOL 231</td>
<td>Advanced Human Anatomy and Physiology</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 183</td>
<td>Introductory Statistics</td>
<td>3-4</td>
</tr>
</tbody>
</table>
### Pre-Optometry Advisement

**Advisors:** Ken Crawford, Lynitta Glass, Wieg Vandermeer  
**Contact:** Dr. Ken Crawford  
**College High Hall, Office 2114**  
**Phone:** 270-745-8894 or 270-745-4449  
**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 its 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BIOL 120</td>
<td>Biological Concepts: Cells Metabolism and Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 122</td>
<td>Biological Concepts: Evolution, Diversity, and Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 226</td>
<td>Microbial Biology and Diversity</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 120</td>
<td>College Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 222</td>
<td>College Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>PSY 210 &amp; PSY 211</td>
<td>Research Methods in Psychology and Research Methods in Psychology Laboratory</td>
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</tr>
<tr>
<td>PSYS 210 &amp; PSYS 211</td>
<td>Research Methods in Psychology and Research Methods in Psychology Laboratory</td>
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</tr>
<tr>
<td>BIOL 382</td>
<td>Introductory Biostatistics</td>
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<tr>
<td>PSYS/PSYS 440</td>
<td>Abnormal Psychology</td>
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<tr>
<td>SOC 100</td>
<td>Introductory Sociology</td>
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<tr>
<td>AH 290</td>
<td>Medical Terminology</td>
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<tr>
<td>PSY/PSYS 220</td>
<td>Introduction to Lifespan Developmental Psychology</td>
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<td>CHEM 109</td>
<td>Chemistry for the Health Sciences</td>
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</tr>
<tr>
<td>PHYS 201</td>
<td>College Physics I</td>
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</tbody>
</table>

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 Colonade 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 head) 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:** Darwin Dahl, Lynitta Glass, Rodney King  
**Contact:** Dr. Ken Crawford  
**College High Hall, Office 2114**  
**Phone:** (270) 745-8894 or 745-4449  
**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.
### Freshman Year Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOL 120</td>
<td>Biological Concepts: Cells and Metabolism and Genetics</td>
<td>4</td>
</tr>
<tr>
<td>&amp; BIOL 121</td>
<td>and Biological Concepts: Cells, Metabolism, and Genetics Lab</td>
<td></td>
</tr>
<tr>
<td>BIOL 131</td>
<td>Human Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 120</td>
<td>College Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 121</td>
<td>and College Chemistry I Laboratory</td>
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<tr>
<td>CHEM 222</td>
<td>College Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 223</td>
<td>and College Chemistry II Laboratory</td>
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<tr>
<td>ENG 100</td>
<td>Introduction to College Writing</td>
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<tr>
<td>MATH 136</td>
<td>Calculus I</td>
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### Sophomore Year Courses

Select one of the following: 4

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<tr>
<th>Code</th>
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<tr>
<td>BIOL 207</td>
<td>General Microbiology</td>
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<td>&amp; BIOL 208</td>
<td>and General Microbiology Laboratory</td>
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</tr>
<tr>
<td>BIOL 226</td>
<td>Microbial Biology and Diversity</td>
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</tr>
<tr>
<td>&amp; BIOL 227</td>
<td>and Microbial Biology and Diversity Laboratory</td>
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<tr>
<td>BIOL 231</td>
<td>Advanced Human Anatomy and Physiology</td>
<td>4</td>
</tr>
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<td>CHEM 340</td>
<td>Organic Chemistry I</td>
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</tr>
<tr>
<td>&amp; CHEM 341</td>
<td>and Organic Chemistry Laboratory</td>
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<tr>
<td>CHEM 342</td>
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<td>5</td>
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<td>&amp; CHEM 343</td>
<td>and Organic Chemistry II Laboratory</td>
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<tr>
<td>ECON 202</td>
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<td>or ECON 203</td>
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<tr>
<td>ENG 300</td>
<td>Writing in the Disciplines</td>
<td>3</td>
</tr>
<tr>
<td>MATH 183</td>
<td>Introductory Statistics</td>
<td>3</td>
</tr>
<tr>
<td>or BIOL 382</td>
<td>Introductory Biostatistics</td>
<td></td>
</tr>
</tbody>
</table>

### Electives

Select 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, Lynnita Glass

Contact: Dr. Ken Crawford
College High Hall, Office 2114
Phone: (270) 745-8894 or 745-4449
Email: hpa@wku.edu

Website: [http://wku.edu/wkuhpa](http://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:

### WKU Colonnade Suggestions

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 100</td>
<td>Introduction to College Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENG 300</td>
<td>Writing in the Disciplines</td>
<td>3</td>
</tr>
<tr>
<td>ENG 200</td>
<td>Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics (Micro)</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 203</td>
<td>Principles of Economics (Macro)</td>
<td></td>
</tr>
<tr>
<td>COMM 145</td>
<td>Fundamentals of Public Speaking and Communication</td>
<td>3</td>
</tr>
<tr>
<td>PSY/PSYS 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY/PSYS 220</td>
<td>Introduction to Lifespan Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>HIST 101</td>
<td>World History I</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 102</td>
<td>World History II</td>
<td></td>
</tr>
</tbody>
</table>

Complete World Language Requirement

### Math/Science Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>BIOL 120</td>
<td>Biological Concepts: Cells and Metabolism and Genetics</td>
<td>4</td>
</tr>
<tr>
<td>&amp; BIOL 121</td>
<td>and Biological Concepts: Cells, Metabolism, and Genetics Lab</td>
<td></td>
</tr>
<tr>
<td>BIOL 122</td>
<td>Biological Concepts: Evolution, Diversity, and Ecology</td>
<td>4</td>
</tr>
<tr>
<td>&amp; BIOL 123</td>
<td>and Biological Concepts: Evolution, Diversity, and Ecology Lab</td>
<td></td>
</tr>
<tr>
<td>BIOL 224</td>
<td>Animal Biology and Diversity</td>
<td>4</td>
</tr>
<tr>
<td>&amp; BIOL 225</td>
<td>and Animal Biology and Diversity Lab</td>
<td></td>
</tr>
<tr>
<td>CHEM 120</td>
<td>College Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 121</td>
<td>and College Chemistry I Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHEM 222</td>
<td>College Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 223</td>
<td>and College Chemistry II Laboratory</td>
<td></td>
</tr>
</tbody>
</table>
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, Univ. of the Cumberlands and Sullivan Univ.). The US Bureau of Labor lists PA as the 2nd fastest growing occupation (expected to grow 30% from 2010 to 2020).

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 UK. The student should carefully examine the requirements at other schools to which they plan to apply.

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. Minimum overall GPA should be 2.75; 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.

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:** Ken Crawford, Lynnita Glass

**Contact:** Dr. Ken Crawford  
**Office:** College High Hall, Office 2114  
**Phone:** (270) 745-8894 or 745-4449  
**Email:** hpa@wku.edu  
**Website:** http://www.wku.edu/wkuhpa

**Pre-Physician Advisement**

**Code** | **Title** | **Hours**
---|---|---
MATH 116 | College Algebra | 3
MATH 117 | Trigonometry ² | 3
Select one of the following: | 3
BIOL 382 | Introductory Biostatistics | 3
PH 383 | Biostatistics in the Health Sciences | 3
MATH 183 | Introductory Statistics | 3

**Additional Suggestion**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH 290</td>
<td>Medical Terminology (required by UK)</td>
<td>2</td>
</tr>
<tr>
<td>PHIL 320</td>
<td>Ethics</td>
<td>3</td>
</tr>
<tr>
<td>or PHIL 322</td>
<td>Biomedical Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

**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.
Pre-Podiatric Medicine Advisement

Advisors: Ken Crawford, Lynnita Glass

Contact: Dr. Ken Crawford
College High Hall, Office 2114
Phone: (270) 745-8894 or 745-4449
Email: hpa@wku.edu
Website: 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, Lynnita Glass

Contact: Dr. Ken Crawford
College High Hall, Office 2114
Phone: (270) 745-8894 or 745-4449
Email: hpa@wku.edu
Website: 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:
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

Advisors:

Dr. Sigrid Jacobshagen, Department of Biology
Kelly Thompson Hall, Office 3011
Phone: 270-745-5994

Dr. Kevin Williams, Department of Chemistry
Kelly Thompson Hall, Office 4056
Phone: 270-745-8899

Faculty

Department of Chemistry: M. Kim, K. Williams, B. Williams
Department of Biology: S. Jacobshagen, N. Rice, C. Rinehart

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.

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 offer the student a unique opportunity for interdisciplinary training.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 120</td>
<td>College Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 121</td>
<td>College Chemistry I Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 222</td>
<td>College Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 223</td>
<td>College Chemistry II Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 330</td>
<td>Quantitative Analysis</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 340</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 341</td>
<td>Organic Chemistry Laboratory I</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 342</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 343</td>
<td>Organic Chemistry Laboratory I</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 120</td>
<td>Biological Concepts: Cells Metabolism and Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 121</td>
<td>Biological Concepts: Cells, Metabolism, and Genetics Lab</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 122</td>
<td>Biological Concepts: Evolution, Diversity, and Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 123</td>
<td>Biological Concepts: Evolution, Diversity, and Ecology Lab</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 319</td>
<td>Introduction to Molecular and Cell Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 322</td>
<td>Introduction to Molecular and Cell Biology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 411</td>
<td>Cell Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL/CHEM 446</td>
<td>Biochemistry I</td>
<td>3</td>
</tr>
<tr>
<td>BIOL/CHEM 447</td>
<td>Biochemistry Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>BIOL/CHEM 467</td>
<td>Biochemistry II</td>
<td>3</td>
</tr>
</tbody>
</table>

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 Principles of Inorganic Chemistry
CHEM 399 Research Problems in Chemistry
CHEM 420 Inorganic Chemistry
CHEM 430 Forensic Chemistry
CHEM 435 Instrumental Analysis
CHEM 412 Introduction to Physical Chemistry
or CHEM 450 Physical Chemistry I
or CHEM 451 Physical Chemistry I Laboratory
or CHEM 452 Physical Chemistry II
or 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 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
PHYS 231 Introduction to Physics and Biophysics I
or PHYS 232 and Laboratory for Physics and Biophysics I
or PHYS 233 and Laboratory for Physics and Biophysics II
or PHYS 332 and Introduction to Physics and Biophysics II

PHYS 255 University Physics I
or PHYS 256 University Physics I Lab
or PHYS 265 and University Physics II
or PHYS 266 and University Physics II Laboratory

Total Hours 60

Additional Courses (12-14 Hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 136</td>
<td>Calculus I</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one of the following groups:

Finish in Four Plan

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

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 of agricultural chemicals, machinery, seed, feed and other products require research, sales and service personnel who have met specific educational requirements. Governmental agencies which 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 science, wildlife and fisheries science.
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 head.

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
- Agricultural Technology and Management, Associate of Science (205) (p. 212)
- Agriculture, Bachelor of Science (508) (p. 213)
- Agriculture, Bachelor of Science (605) (p. 218)

Minors
- Agriculture, Minor (308) (p. 219)
- Floristry, Minor (369) (p. 219)

Faculty
Professor
Becky A. Gilfillen PhD (Plant and Soil Science), University of Tennessee, Knoxville, 1999
William T. Willian 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
Stephen A. King PhD (Agricultural Economics), Oklahoma State University Main Campus, 2004
Thomas W. Kringery PhD (Agricultural Leadership, Education, & Communications), Texas A & M University, 2010
Martin J. Stone PhD (Agronomy), Texas A & M University, 1994

Assistant Professor
Jennifer C. Gill PhD (Animal Science and Poultry Science), North Carolina State University, 2016
Jean D. Gumirakiza PhD (Economics), Utah State University, 2013
Phillip A. Gunter PhD (Animal Sciences), Auburn University, 2018
William D. Strunk PhD (Plant Science), 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, University of Missouri-Columbia, 1989

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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGMC 170 &amp; AGMC 171</td>
<td>Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>AGMC 371 &amp; AGMC 372</td>
<td>Agricultural Mechanics and Agricultural Mechanics Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>AGE 360</td>
<td>Agricultural Economics</td>
<td>3</td>
</tr>
<tr>
<td>AGE 361</td>
<td>Farm Management</td>
<td>3</td>
</tr>
<tr>
<td>Select 6 hours of soil sciences courses</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>AGE 365</td>
<td>Computer Applications in Agriculture</td>
<td></td>
</tr>
<tr>
<td>CSCI 145C</td>
<td>Introduction to Computing</td>
<td></td>
</tr>
<tr>
<td>CIS 141</td>
<td>Basic Computer Literacy</td>
<td></td>
</tr>
<tr>
<td>AGED/EDU 250</td>
<td>Introduction to Teacher Education in Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>PSY 310</td>
<td>Educational Psychology: Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>SPED 330</td>
<td>Introduction to Exceptional Education: Diversity in Learning</td>
<td>3</td>
</tr>
<tr>
<td>AGRI 398</td>
<td>Seminar</td>
<td>1</td>
</tr>
<tr>
<td>AGED 470</td>
<td>Methods of Teaching in Agricultural Education</td>
<td>3</td>
</tr>
<tr>
<td>AGED 471</td>
<td>Organization and Planning in Agricultural Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU 489</td>
<td>Student Teaching Seminar</td>
<td>3</td>
</tr>
<tr>
<td>LTCY 421</td>
<td>Content Area Reading in the Middle and Secondary Grades</td>
<td>3</td>
</tr>
</tbody>
</table>

Western Kentucky University -- 2019-20 Undergraduate Catalog
Agricultural Technology and Management, Associate of Science (205)

Program Coordinator
Fred J. DeGraves, fred.degraves@wku.edu, (270) 745-3151

Agricultural Technology and Management (https://www.wku.edu/agriculture/agtechandmgmt.php)- May be tailored to the individual interests and needs. Options include agribusiness, agriculture mechanization, animal science, general agriculture and agronomy.

Program Requirements (60 hours)

Turf and Golf Course Management Option

This program is designed for individuals interested in becoming superintendents of golf courses, athletic fields and parks and recreational facilities, lawn care professionals, and cemetery caretakers. The course of study includes the care and growing of warm and cool season grasses, turf disease management, and equipment management and maintenance. A total of 60 hours of specific courses are required for this program. The curriculum for this program is outlined in the Department of Agriculture and Food Science Student Planning Manual.

<table>
<thead>
<tr>
<th>Agriculture Courses</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRO 110</td>
<td>Introduction to Plant Science</td>
<td>3</td>
</tr>
<tr>
<td>AGRO 350</td>
<td>Soils</td>
<td>3</td>
</tr>
<tr>
<td>AGMC 170 &amp; AGMC 171</td>
<td>Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>AGMC 172 &amp; AGMC 173</td>
<td>Lawn and Garden Equipment and Lawn and Garden Equipment Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>AGMC 270 &amp; AGMC 271</td>
<td>Turf Mowing Equipment Maintenance and Turf Mowing Equipment Maintenance Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>AGMC 272 &amp; AGMC 273</td>
<td>Turf Equipment Management and Operation and Turf Equipment Management and Operation Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>AGMC 371 &amp; AGMC 372</td>
<td>Agricultural Mechanics and Agricultural Mechanics Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>AGMC 392 &amp; AGMC 393</td>
<td>Turf Irrigation and Turf Irrigation Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>HORT 313</td>
<td>Turfgrass Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Additional Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 100</td>
<td>Introduction to College Writing</td>
<td>3</td>
</tr>
<tr>
<td>COMM 145</td>
<td>Fundamentals of Public Speaking and Communication</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 105 &amp; CHEM 106</td>
<td>Fundamentals of General Chemistry and Fundamentals of General Chemistry Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 120 &amp; BIOL 121</td>
<td>Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab</td>
<td>4</td>
</tr>
<tr>
<td>MATH 115 or MATH 116</td>
<td>Applied College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>Select a humanities course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Select a social and behavioral course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Select 10 hours taken from Agriculture Economics, Agriculture, Horticulture, Agronomy, and/or Agriculture Mechanics</td>
<td>10</td>
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</tr>
</tbody>
</table>

General Agriculture Option

This two-year curriculum is designed to fulfill the needs of students primarily interested in the application of modern agricultural technology.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRO 110</td>
<td>Introduction to Plant Science</td>
<td>3</td>
</tr>
<tr>
<td>ANSC 140</td>
<td>Introduction to Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>AGMC 170 &amp; AGMC 171</td>
<td>Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>AGEC 360</td>
<td>Agricultural Economics</td>
<td>3</td>
</tr>
<tr>
<td>AGRI 397</td>
<td>Agriculture Career Planning</td>
<td>3</td>
</tr>
<tr>
<td>AGRO 350</td>
<td>Soils</td>
<td>3</td>
</tr>
<tr>
<td>ENG 100</td>
<td>Introduction to College Writing</td>
<td>3</td>
</tr>
<tr>
<td>COMM 145</td>
<td>Fundamentals of Public Speaking and Communication</td>
<td>3</td>
</tr>
<tr>
<td>MATH 116 or MATH 115</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 105 &amp; CHEM 106</td>
<td>Fundamentals of General Chemistry and Fundamentals of General Chemistry Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 120 &amp; BIOL 121</td>
<td>Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab</td>
<td>4</td>
</tr>
<tr>
<td>ECON 150</td>
<td>Introduction to Economics</td>
<td>3</td>
</tr>
<tr>
<td>Select a humanities course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Select a social and behavioral course</td>
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<td></td>
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</tbody>
</table>
Select 12 hours taken from Agriculture Economics, Agriculture, Horticulture, Agronomy, and/or Agriculture Mechanics

Total Hours 54

1 Not required for Horticulture.

Agriculture, Bachelor of Science (508)

Program Coordinator
Fred J. DeGraves, fred.degraves@wku.edu, (270) 745-3151

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.

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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/colonnade/colonnaderequirements.php.

This major in agriculture requires a minimum of 50 semester hours in agriculture and leads to a Bachelor of Science degree. Electives chosen from agriculture courses focusing on a concentration, when approved by an assigned advisor, complete the minimum total of 50 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 115</td>
<td>Applied College Algebra (or higher)</td>
<td>3</td>
</tr>
</tbody>
</table>

Chemistry Courses

Select two of the following:

- 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:

- 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 120</td>
<td>Biological Concepts: Cells, Metabolism and Genetics</td>
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<tr>
<td>BIOL 121</td>
<td>Biological Concepts: Cells, Metabolism, and Genetics Lab</td>
<td>1</td>
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</table>

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 or BIOL 122 and BIOL 123.

The following courses are required for each concentration.

Agribusiness Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRO 110</td>
<td>Introduction to Plant Science</td>
<td>3</td>
</tr>
<tr>
<td>ANSC 140</td>
<td>Introduction to Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>AGEC 160</td>
<td>Introduction to Agribusiness and Agricultural Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>AGMC 170</td>
<td>Introduction to Agricultural Mechanization</td>
<td>3</td>
</tr>
<tr>
<td>AGMC 171</td>
<td>Introduction to Agricultural Mechanization Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>AGRI 175</td>
<td>University Experience – Agriculture</td>
<td>1</td>
</tr>
<tr>
<td>AGMC 176</td>
<td>Agriculture Safety</td>
<td>2</td>
</tr>
<tr>
<td>AGRI 291</td>
<td>Introduction to Data Analysis and Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>AGRI 491</td>
<td>Data Analysis and Interpretation</td>
<td></td>
</tr>
<tr>
<td>AGRO 320</td>
<td>Crop Physiology</td>
<td>3</td>
</tr>
<tr>
<td>ANSC 345</td>
<td>Principles of Animal Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>AGEC 360</td>
<td>Agricultural Economics</td>
<td>3</td>
</tr>
<tr>
<td>AGMC 326</td>
<td>Precision Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>AGRO 350</td>
<td>Soils</td>
<td>3</td>
</tr>
<tr>
<td>AGRI 397</td>
<td>Agriculture Career Planning</td>
<td>1</td>
</tr>
<tr>
<td>AGRI 398</td>
<td>Seminar</td>
<td>1</td>
</tr>
<tr>
<td>AGRI 494</td>
<td>Contemporary Agricultural Issues</td>
<td>3</td>
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<tr>
<td>AGEC 261</td>
<td>Agricultural Accounting</td>
<td>3</td>
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<tr>
<td>MGT 210</td>
<td>Organization and Management</td>
<td>3</td>
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<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
<td>3</td>
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<tr>
<td>AGEC 361</td>
<td>Farm Management</td>
<td>3</td>
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<tr>
<td>AGEC 362</td>
<td>Agricultural Marketing</td>
<td>3</td>
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<tr>
<td>AGEC 463</td>
<td>Agriculture Finance</td>
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Agribusiness Elective

Select one of the following:

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>AGEC 366</td>
<td>Agricultural Sales and Services</td>
<td>3</td>
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<tr>
<td>AGEC 460</td>
<td>Agricultural Policy</td>
<td>3</td>
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<tr>
<td>AGEC 461</td>
<td>Advanced Farm Management</td>
<td>3</td>
</tr>
<tr>
<td>AGEC 468</td>
<td>World Food Development</td>
<td>3</td>
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<tr>
<td>AGRI 369</td>
<td>Cooperative Education in Agriculture II</td>
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Total Hours 50
### Agricultural Education Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td><strong>Basic Agriculture Courses</strong></td>
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<tr>
<td>AGRO 110</td>
<td>Introduction to Plant Science</td>
<td>3</td>
</tr>
<tr>
<td>ANSC 140</td>
<td>Introduction to Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>AGEC 160</td>
<td>Introduction to Agribusiness and Agricultural Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>AGMC 170 &amp; AGMC 171</td>
<td>Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>AGRI 175</td>
<td>University Experience – Agriculture</td>
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</tr>
<tr>
<td>AGMC 176</td>
<td>Agriculture Safety</td>
<td>2</td>
</tr>
<tr>
<td>AGRI 291</td>
<td>Introduction to Data Analysis and Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>or AGRI 491</td>
<td>Data Analysis and Interpretation</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
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<td></td>
</tr>
<tr>
<td>AGRO 320</td>
<td>Crop Physiology</td>
<td></td>
</tr>
<tr>
<td>ANSC 345</td>
<td>Principles of Animal Nutrition</td>
<td></td>
</tr>
<tr>
<td>AGEC 360</td>
<td>Agricultural Economics</td>
<td></td>
</tr>
<tr>
<td>AGMC 326</td>
<td>Precision Agriculture</td>
<td></td>
</tr>
<tr>
<td>AGRO 350</td>
<td>Soils</td>
<td>3</td>
</tr>
<tr>
<td>AGRI 397</td>
<td>Agriculture Career Planning</td>
<td>1</td>
</tr>
<tr>
<td>AGRI 398</td>
<td>Seminar</td>
<td>1</td>
</tr>
<tr>
<td>AGRI 494</td>
<td>Contemporary Agricultural Issues</td>
<td>3</td>
</tr>
<tr>
<td><strong>Agricultural Economics</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AGEC 361</td>
<td>Farm Management</td>
<td>3</td>
</tr>
<tr>
<td><strong>Soils Elective</strong></td>
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<tr>
<td>Select any AGRO course</td>
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<tr>
<td><strong>Horticulture Elective</strong></td>
<td>3</td>
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<tr>
<td>Select any HORT course</td>
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<tr>
<td><strong>Animal Science Elective</strong></td>
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<tr>
<td>Select any ANSC course</td>
<td></td>
<td></td>
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<tr>
<td><strong>Agricultural Elective</strong></td>
<td>3</td>
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<tr>
<td>Select any AGRI, AGRO, ANSC, AGED, AGMC, or HORT course</td>
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<td></td>
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<tr>
<td><strong>Teacher Certification Requirements</strong></td>
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<tr>
<td>AGED 250</td>
<td>Introduction to Teacher Education in Agriculture</td>
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<td>PSY 310</td>
<td>Educational Psychology: Development and Learning</td>
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<tr>
<td>SPED 330</td>
<td>Introduction to Exceptional Education: Diversity in Learning</td>
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<td>AGED 470</td>
<td>Methods of Teaching in Agricultural Education</td>
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<td>AGED 471</td>
<td>Organization and Planning in Agricultural Education</td>
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<tr>
<td>AGRI 398</td>
<td>Seminar</td>
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<tr>
<td>EDU 489</td>
<td>Student Teaching Seminar</td>
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<tr>
<td>LTCY 421</td>
<td>Content Area Reading in the Middle and Secondary Grades</td>
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<tr>
<td>SEC 490</td>
<td>Student Teaching</td>
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<tr>
<td><strong>Total Hours</strong></td>
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### Agricultural Mechanization Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Basic Agriculture Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AGRO 110</td>
<td>Introduction to Plant Science</td>
<td>3</td>
</tr>
<tr>
<td>ANSC 140</td>
<td>Introduction to Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>AGEC 160</td>
<td>Introduction to Agribusiness and Agricultural Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>AGMC 170 &amp; AGMC 171</td>
<td>Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>AGRI 175</td>
<td>University Experience – Agriculture</td>
<td>1</td>
</tr>
<tr>
<td>AGMC 176</td>
<td>Agriculture Safety</td>
<td>2</td>
</tr>
<tr>
<td>AGRI 291</td>
<td>Introduction to Data Analysis and Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>or AGRI 491</td>
<td>Data Analysis and Interpretation</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AGRO 320</td>
<td>Crop Physiology</td>
<td></td>
</tr>
<tr>
<td>ANSC 345</td>
<td>Principles of Animal Nutrition</td>
<td></td>
</tr>
<tr>
<td>AGEC 360</td>
<td>Agricultural Economics</td>
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<tr>
<td>AGMC 326</td>
<td>Precision Agriculture</td>
<td></td>
</tr>
<tr>
<td>AGRO 350</td>
<td>Soils</td>
<td>3</td>
</tr>
<tr>
<td>AGRI 397</td>
<td>Agriculture Career Planning</td>
<td>1</td>
</tr>
<tr>
<td>AGRI 398</td>
<td>Seminar</td>
<td>1</td>
</tr>
<tr>
<td>AGRI 494</td>
<td>Contemporary Agricultural Issues</td>
<td>3</td>
</tr>
<tr>
<td><strong>Agricultural Mechanization Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AGMC 172 &amp; AGMC 173</td>
<td>Lawn and Garden Equipment and Lawn and Garden Equipment Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>AGMC 373 &amp; AGMC 374</td>
<td>Farm Power—Mechanical and Machinery and Farm Power—Mechanical and Machinery Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>AGMC 377 &amp; AGMC 378</td>
<td>Farm Machinery and Farm Machinery Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>AGMC 425</td>
<td>Applied Hydraulics and Pneumatics</td>
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</tr>
<tr>
<td>AGEC 366</td>
<td>Agricultural Sales and Services</td>
<td>3</td>
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<tr>
<td>AMS 227</td>
<td>Introduction to Manufacturing Methods</td>
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<tr>
<td><strong>Agricultural Mechanization Elective</strong></td>
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<tr>
<td>Select 3 credit hours from any AGEC, AGED, AGMC, AGRI, AGRO, ANSC, or HORT course</td>
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<tr>
<td><strong>Total Hours</strong></td>
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### Agronomy (Plant Science) Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Basic Agriculture Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AGRO 110</td>
<td>Introduction to Plant Science</td>
<td>3</td>
</tr>
<tr>
<td>ANSC 140</td>
<td>Introduction to Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>AGEC 160</td>
<td>Introduction to Agribusiness and Agricultural Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>AGMC 170 &amp; AGMC 171</td>
<td>Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory</td>
<td>3</td>
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</table>
### Agronomy – Plant Science Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRO 310</td>
<td>Pest Management</td>
<td>3</td>
</tr>
<tr>
<td>AGRO 352</td>
<td>Soil Fertility and Fertilizers</td>
<td>3</td>
</tr>
<tr>
<td>AGEC 361</td>
<td>Farm Management</td>
<td>3</td>
</tr>
<tr>
<td>AGRI 355</td>
<td>Biotechnology in Agriculture</td>
<td>3</td>
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<tr>
<td>AGRO 409</td>
<td>Weed Science</td>
<td>2</td>
</tr>
<tr>
<td>AGRO 410</td>
<td>Weed Science Laboratory</td>
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</tr>
<tr>
<td>AGRO 414</td>
<td>Crop Improvement</td>
<td>3</td>
</tr>
<tr>
<td>AGRO 418</td>
<td>Plant Pathology</td>
<td>3</td>
</tr>
<tr>
<td>AGRO 420</td>
<td>Forage Crops</td>
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<tr>
<td>AGRO 421</td>
<td>Forage Crops Laboratory</td>
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<tr>
<td>AGRO 422</td>
<td>Field Crops</td>
<td>3</td>
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</table>

### Agronomy Elective

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>AGRI 315</td>
<td>Water in Food Production</td>
<td>3</td>
</tr>
<tr>
<td>AGRO 452</td>
<td>Soil Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>AGRO 454</td>
<td>Soil Management and Conservation</td>
<td>3</td>
</tr>
<tr>
<td>AGRO 457</td>
<td>Soil Formation, Classification and Mapping</td>
<td>2</td>
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<tr>
<td>AGRO 458</td>
<td>Soil Formation, Classification and Mapping Laboratory</td>
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<tr>
<td>AGRI 493</td>
<td>Sustainable Agriculture</td>
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**Total Hours**: 44-47

### Animal Science Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>AGRI 175</td>
<td>University Experience – Agriculture</td>
<td>1</td>
</tr>
<tr>
<td>AGMC 176</td>
<td>Agriculture Safety</td>
<td>2</td>
</tr>
<tr>
<td>AGRI 291</td>
<td>Introduction to Data Analysis and Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>or AGRI 491</td>
<td>Data Analysis and Interpretation</td>
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</tr>
</tbody>
</table>

Select one of the following:

- AGRO 320 Crop Physiology
- ANSC 345 Principles of Animal Nutrition
- AGEC 360 Agricultural Economics
- AGMC 326 Precision Agriculture
- AGRO 350 Soils
- AGR 397 Agriculture Career Planning
- AGRI 398 Seminar
- AGRI 494 Contemporary Agricultural Issues

### Required Agronomy Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRO 351</td>
<td>Soils Laboratory</td>
<td>1</td>
</tr>
</tbody>
</table>

Select four of the following courses:

- AGRO 352 Soil Fertility and Fertilizers
- AGRO 452 Soil Microbiology
- AGRO 454 Soil Management and Conservation
- AGRO 455 Soil Chemistry
- AGRO 456 Soil Chemistry Laboratory
- AGRO 457 Soil Formation, Classification and Mapping
- AGRO 458 Soil Formation, Classification and Mapping Laboratory

Select two of the following courses:

- AGRO 409 Weed Science
- AGRO 410 Weed Science Laboratory
- AGRO 414 Crop Improvement
- AGRO 420 Forage Crops
- AGRO 421 Forage Crops Laboratory
- AGRO 422 Field Crops

**Total Hours**: 68

### Agronomy (Soil Science) Concentration

<table>
<thead>
<tr>
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<td>ANSC 140</td>
<td>Introduction to Animal Science</td>
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</tr>
<tr>
<td>AGEC 160</td>
<td>Introduction to Agribusiness and Agricultural Entrepreneurship</td>
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</tr>
<tr>
<td>AGMC 170 &amp; AGMC 171</td>
<td>Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory</td>
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<tr>
<td>AGRI 175</td>
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<tr>
<td>AGMC 176</td>
<td>Agriculture Safety</td>
<td>2</td>
</tr>
<tr>
<td>AGRI 291</td>
<td>Introduction to Data Analysis and Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>or AGRI 491</td>
<td>Data Analysis and Interpretation</td>
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</table>

Select one of the following:

- AGRO 320 Crop Physiology
- ANSC 345 Principles of Animal Nutrition
- AGEC 360 Agricultural Economics
- AGMC 326 Precision Agriculture
- AGRO 350 Soils
- AGR 397 Agriculture Career Planning
- AGRI 398 Seminar
### General Agriculture Concentration

<table>
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<tr>
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<tr>
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<td>ANSC 140</td>
<td>Introduction to Animal Science</td>
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<tr>
<td>AGE 160</td>
<td>Introduction to Agribusiness and Agricultural Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>AGMC 170 &amp; AGMC 171</td>
<td>Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory</td>
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<tr>
<td>AGRI 175</td>
<td>University Experience – Agriculture</td>
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<tr>
<td>AGMC 176</td>
<td>Agriculture Safety</td>
<td>2</td>
</tr>
<tr>
<td>AGRI 291</td>
<td>Introduction to Data Analysis and Interpretation</td>
<td>3</td>
</tr>
<tr>
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<td>Data Analysis and Interpretation</td>
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</tr>
<tr>
<td>AGRI 391</td>
<td>Agriculture Career Planning</td>
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Select one of the following: 3

| AGRO 320 | Crop Physiology                                                  | 3     |
| ANSC 345 | Principles of Animal Nutrition                                   | 3     |
| AGEC 360 | Agricultural Economics                                           | 3     |
| AGMC 326 | Precision Agriculture                                           | 3     |
| AGRO 350 | Soils                                                           | 3     |
| AGRI 397 | Agriculture Career Planning                                     | 1     |
| AGRI 398 | Seminar                                                        | 1     |
| AGRI 494 | Contemporary Agricultural Issues                               | 3     |

Total Hours: 58
### Horticulture Concentration

<table>
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<tr>
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<td>3</td>
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<tr>
<td>ANSC 140</td>
<td>Introduction to Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>AGECC 160</td>
<td>Introduction to Agribusiness and Agricultural Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>AGMC 170</td>
<td>Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory</td>
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</tr>
<tr>
<td>AGRI 175</td>
<td>University Experience – Agriculture</td>
<td>1</td>
</tr>
<tr>
<td>AGMC 176</td>
<td>Agriculture Safety</td>
<td>2</td>
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<tr>
<td>AGRI 291</td>
<td>Introduction to Data Analysis and Interpretation</td>
<td>3</td>
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<tr>
<td>or AGRI 491</td>
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<td>ANSC 345</td>
<td>Principles of Animal Nutrition</td>
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</tr>
<tr>
<td>AGECC 360</td>
<td>Agricultural Economics</td>
<td></td>
</tr>
<tr>
<td>AGMC 326</td>
<td>Precision Agriculture</td>
<td></td>
</tr>
<tr>
<td>AGRI 350</td>
<td>Soils</td>
<td>3</td>
</tr>
<tr>
<td>AGRI 397</td>
<td>Agriculture Career Planning</td>
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</tr>
<tr>
<td>AGRI 398</td>
<td>Seminar</td>
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</tr>
<tr>
<td>AGRI 494</td>
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<tr>
<td><strong>Horticulture Courses</strong></td>
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</tr>
<tr>
<td>HORT 301</td>
<td>Introduction to Landscape Plants</td>
<td>2</td>
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<tr>
<td>HORT 302</td>
<td>Introduction to Landscape Plants Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>HORT 313</td>
<td>Turfgrass Management</td>
<td>3</td>
</tr>
<tr>
<td>HORT 316</td>
<td>Greenhouse Maintenance and Operation</td>
<td>2</td>
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<td>HORT 317</td>
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<td>HORT 407</td>
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<td>HORT 408</td>
<td>Plant Propagation Laboratory</td>
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<td>AGRI 369</td>
<td>Cooperative Education in Agriculture II</td>
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<td>AGRO 351</td>
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<tr>
<td><strong>Electives</strong></td>
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<tr>
<td>Any HORT, AGRO, AGECC, or AGRI courses</td>
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### Horse Science Concentration

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<td>ANSC 140</td>
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<td>3</td>
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<tr>
<td>AGMC 170</td>
<td>Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>AGRI 175</td>
<td>University Experience – Agriculture</td>
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</tr>
<tr>
<td>AGMC 176</td>
<td>Agriculture Safety</td>
<td>2</td>
</tr>
<tr>
<td>AGRI 291</td>
<td>Introduction to Data Analysis and Interpretation</td>
<td>3</td>
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<tr>
<td>or AGRI 491</td>
<td>Data Analysis and Interpretation</td>
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<tr>
<td>Select one of the following:</td>
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<tr>
<td>AGRO 320</td>
<td>Crop Physiology</td>
<td>3</td>
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<tr>
<td>ANSC 345</td>
<td>Principles of Animal Nutrition</td>
<td></td>
</tr>
<tr>
<td>AGECC 360</td>
<td>Agricultural Economics</td>
<td></td>
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<tr>
<td>AGMC 326</td>
<td>Precision Agriculture</td>
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<tr>
<td>AGRI 350</td>
<td>Soils</td>
<td>3</td>
</tr>
<tr>
<td>AGRI 397</td>
<td>Agriculture Career Planning</td>
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<tr>
<td>AGRI 398</td>
<td>Seminar</td>
<td>1</td>
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<tr>
<td>AGRI 494</td>
<td>Contemporary Agricultural Issues</td>
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<tr>
<td><strong>Horse Science Courses</strong></td>
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<tr>
<td>ANSC 141</td>
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<td>ANSC 240</td>
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<td>ANSC 338</td>
<td>Introductory Livestock Evaluation and Selection</td>
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<td>ANSC 340</td>
<td>Meats and Meat Products</td>
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<td>ANSC 344</td>
<td>Physiology and Anatomy of Domestic Animals</td>
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<td>ANSC 347</td>
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<td>ANSC 437</td>
<td>Physiology of Reproduction in Domestic Animals</td>
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<td>Physiology of Reproduction in Domestic Animal Laboratory</td>
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<td>ANSC 446</td>
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### Turf and Golf Course Management

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<tbody>
<tr>
<td><strong>Basic Agriculture Courses</strong></td>
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<tr>
<td>AGRO 110</td>
<td>Introduction to Plant Science</td>
<td>3</td>
</tr>
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<td>ANSC 140</td>
<td>Introduction to Animal Science</td>
<td>3</td>
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<tr>
<td>AGECC 160</td>
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<tr>
<td>AGMC 170</td>
<td>Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory</td>
<td>3</td>
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<tr>
<td>AGRI 175</td>
<td>University Experience – Agriculture</td>
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</tr>
<tr>
<td>AGMC 176</td>
<td>Agriculture Safety</td>
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</tr>
<tr>
<td>AGRI 291</td>
<td>Introduction to Data Analysis and Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>or AGRI 491</td>
<td>Data Analysis and Interpretation</td>
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<tr>
<td>Select one of the following:</td>
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<tr>
<td>AGRO 320</td>
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<tr>
<td>ANSC 345</td>
<td>Principles of Animal Nutrition</td>
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<tr>
<td>AGECC 360</td>
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<td>AGMC 326</td>
<td>Precision Agriculture</td>
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<tr>
<td>AGRI 350</td>
<td>Soils</td>
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<tr>
<td>AGRI 397</td>
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<td>AGRI 398</td>
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</tr>
<tr>
<td>AGRI 494</td>
<td>Contemporary Agricultural Issues</td>
<td>3</td>
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Western Kentucky University -- 2019-20 Undergraduate Catalog
### Agriculture, Bachelor of Science (605)

The department of agriculture also offers a small major (605) that couples with a required second major or minor outside the agriculture department. The major includes all basic agriculture courses.

**Program Requirements (30 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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/colonnade/colonnaderequirements.php.

This major in agriculture requires completion of a minimum of 30 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRO 320</td>
<td>Crop Physiology</td>
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<tr>
<td>ANSC 345</td>
<td>Principles of Animal Nutrition</td>
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<td>AGEC 360</td>
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<td>AGRI 398</td>
<td>Seminar</td>
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</tr>
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**Turf and Golf Course Management Courses**

<table>
<thead>
<tr>
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<tr>
<td>AGMC 170</td>
<td>Lawn and Garden Equipment</td>
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<td>AGMC 270</td>
<td>Turf Mowing Equipment Maintenance</td>
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<td>AGMC 271</td>
<td>Turf Mowing Equipment Maintenance Laboratory</td>
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<td>AGMC 272</td>
<td>Turf Equipment Management and Operation</td>
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<td>AGMC 273</td>
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<tr>
<td>AGMC 371</td>
<td>Agricultural Mechanics</td>
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<td>AGMC 372</td>
<td>Agricultural Mechanics Laboratory</td>
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<tr>
<td>AGMC 392</td>
<td>Turf Irrigation</td>
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<td>AGMC 393</td>
<td>Turf Irrigation Laboratory</td>
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<td>HORT 301</td>
<td>Introduction to Landscape Plants</td>
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<td>HORT 302</td>
<td>Introduction to Landscape Plants Laboratory</td>
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<tr>
<td>HORT 304</td>
<td>Landscape Maintenance</td>
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<td>HORT 305</td>
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<td>HORT 313</td>
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<td>AGRI 369</td>
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<td>AGEC 260</td>
<td>Golf Course Management</td>
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<tr>
<td>or HORT 475</td>
<td>Selected Topics in Agriculture</td>
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**Total Hours**: 30

**Finish in Four Plan**

**Agronomy (Plant):** [http://wku.edu/degreepaths/19-20/documents/ocse/ag_agronomy_plant_science_508.pdf](http://wku.edu/degreepaths/19-20/documents/ocse/ag_agronomy_plant_science_508.pdf)

**Agronomy (Soil):** [http://wku.edu/degreepaths/19-20/documents/ocse/ag_agronomy_soil_science_508.pdf](http://wku.edu/degreepaths/19-20/documents/ocse/ag_agronomy_soil_science_508.pdf)

**Agribusiness:** [http://wku.edu/degreepaths/19-20/documents/ocse/agribusiness_508.pdf](http://wku.edu/degreepaths/19-20/documents/ocse/agribusiness_508.pdf)

**Agricultural Education:** [http://wku.edu/degreepaths/19-20/documents/ocse/agriculture_education_508.pdf](http://wku.edu/degreepaths/19-20/documents/ocse/agriculture_education_508.pdf)

**Agricultural Systems:** [http://wku.edu/degreepaths/19-20/documents/ocse/ag_systems_508.pdf](http://wku.edu/degreepaths/19-20/documents/ocse/ag_systems_508.pdf)

**Animal Science:** [https://www.wku.edu/degreepaths/19-20/documents/ocse/ag_animal_science_508.pdf](https://www.wku.edu/degreepaths/19-20/documents/ocse/ag_animal_science_508.pdf)

**Dairy Science:** [http://wku.edu/degreepaths/19-20/documents/ocse/ag_dairy_sci_508.pdf](http://wku.edu/degreepaths/19-20/documents/ocse/ag_dairy_sci_508.pdf)

**General Agriculture:** [http://wku.edu/degreepaths/19-20/documents/ocse/agriculture_general_508.pdf](http://wku.edu/degreepaths/19-20/documents/ocse/agriculture_general_508.pdf)

**Horticulture:** [http://wku.edu/degreepaths/19-20/documents/ocse/ag_hort_sci_508.pdf](http://wku.edu/degreepaths/19-20/documents/ocse/ag_hort_sci_508.pdf)

**Horse Science:** [http://wku.edu/degreepaths/19-20/documents/ocse/ag_horse_sci_508.pdf](http://wku.edu/degreepaths/19-20/documents/ocse/ag_horse_sci_508.pdf)


**Electives chosen by the student and approved by an assigned advisor provide sufficient credits to satisfy an option. In addition, majors are required to complete specified courses in biology, chemistry and**
mathematics. At least half of the semester hours in the major must be in courses numbered 300 or above.

Finish in Four Plan
http://wk.edu/degreepaths/19-20/documents/ocse/agriculture_605.pdf

Agriculture, Minor (308)
Program Requirements (21 hours)

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>AGRI 494</td>
<td>Contemporary Agricultural Issues</td>
<td>3</td>
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<tr>
<td>AGRO 110</td>
<td>Introduction to Plant Science</td>
<td>3</td>
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<td>ANSC 140</td>
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<td>AGRO 320</td>
<td>Crop Physiology</td>
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<tr>
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<tr>
<td>ANSC 345</td>
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<td>Select 9 hours of Agriculture electives at the 300-level or above</td>
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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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
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<td>HORT 309</td>
<td>Advanced Floral Design</td>
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<tr>
<td>HORT 312</td>
<td>Introduction to Horticulture</td>
<td>3</td>
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<tr>
<td>HORT 316</td>
<td>Greenhouse Maintenance and Operation</td>
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<tr>
<td>HORT 317</td>
<td>Greenhouse Maintenance and Operation Laboratory</td>
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<tr>
<td>HORT 330</td>
<td>Wedding Floral Design</td>
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<td>HORT 340</td>
<td>Commercial Floriculture Production</td>
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</tbody>
</table>

Department of Biology
Dr. Ken Crawford, Chair
Kelly Thompson Hall, Office 3007
Phone: 270-745-3696; Fax: 270-745-6856
Website: 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 Bioinformatics and Information Science Center. 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 head. 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. 209)
- Biology, Bachelor of Science (525) (p. 220)
- Biology, Bachelor of Science (617) (p. 222)
- Medical Laboratory Science, Bachelor of Science (5004) (p. 224)
- Molecular Biotechnology, Bachelor of Science (738) (p. 225)

Minor

- Biology, Minor (326) (p. 223)

Professor

Cheryl D. Davis PhD (Biology), Wake Forest University, 1988
Scott A. Grubbs PhD (Biological Sciences, Ecology and Evolution), University of Pitts Pittsburgh Camp, 1997
Sigrid H. Jacobschagen PhD (Biology), Free University of Berlin, 1988
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
Claire A. Rinehart PhD (Botany), University of Georgia, 1984
Bruce A. Schulte PhD (Environmental and Forest Biology), SUNY Col Envnmntl Sci-Forestry, 1993
Michael E. Smith PhD (Marine Science), University of Texas at Austin, 2001
Michael K. Stokes PhD (Biology, Systematics and Ecology), University of Kansas Main Campus, 1994

Associate Professor

Lawrence A. Alice PhD (Plant Science), University of Maine - Orono, 1997
Noah T. Ashley PhD (Zoology), University of Washington, 2004
Kenneth M. Crawford PhD (Biological Sciences), University of Michigan-Ann Arbor, 1988
Carl W. Dick PhD (Zoology), Texas Tech University, 2005
Chandrakanth Emani PhD (Science), Osmania University, 1997
Stephen H. Huskey PhD (Biological Sciences), Florida Institute Technology, 2003
Harriett R. Johnson PhD (Biology), University of Missouri-Columbia, 2005
Philip W. Lienesch PhD (Zoology), University of Oklahoma Norman, 1997
Ajay Srivastava PhD (Molecular Biology and Genetics), University of Alberta, 2003
Robert E. Wyatt PhD (Botany), University of Georgia, 1992

Assistant Professor

Simran Banga PhD (Biological Sciences), Purdue University Main Campus, 2009
Kevin T. Bilyk PhD, University of Illinois Central Admin, 2011

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 I

Gregory R. Blass PhD (Biological Sciences), University of Illinois at Chicago, 2014
Michael W. Killen PhD (Microbiology), University of Kentucky, 2011

Instructor II

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

Biology, Bachelor of Science (525)

Program Coordinator

Kenneth M. Crawford, kenneth.crawford@wku.edu, (270) 745-6372

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.

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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/colonnade/colonnaderequirements.php.

<table>
<thead>
<tr>
<th>Code</th>
<th>Required Courses</th>
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<tr>
<td>BIOL 120 &amp; BIOL 121</td>
<td>Biological Concepts: Cells, Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab</td>
<td>4</td>
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<tr>
<td>BIOL 122 &amp; BIOL 123</td>
<td>Biological Concepts: Evolution, Diversity, and Ecology and Biological Concepts: Evolution, Diversity, and Ecology Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 489</td>
<td>Professional Aspects of Biology</td>
<td>1</td>
</tr>
</tbody>
</table>

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 |                                                |
- BIOL 226 & BIOL 227 | Microbial Biology and Diversity and Microbial Biology and Diversity Lab |                                                |

Select one of the following:

- 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 315 | Ecology                                                                         | 3                                               |

Evolution: Theory and Process

Laboratory Experience Courses

Select five of the following:

- BIOL 212 | Genome Discovery Exploration                                                    |                                                |
- BIOL 312 | Bioinformatics                                                                |                                                |
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<tr>
<th>Code</th>
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<td>MATH 116</td>
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<td>MATH 117</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MATH 118</td>
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<tr>
<td>PHYS 231 &amp; PHYS 232</td>
<td>Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I</td>
<td>4</td>
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<td>CHEM 120 &amp; CHEM 121</td>
<td>College Chemistry I and College Chemistry I Laboratory</td>
<td>5</td>
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<tr>
<td>AGRO 350</td>
<td>Soils</td>
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<tr>
<td>AGRO 452</td>
<td>Soil Microbiology</td>
<td></td>
</tr>
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<td>AGRO 454</td>
<td>Soil Management and Conservation</td>
<td></td>
</tr>
<tr>
<td>AGRO 455 &amp; AGRO 456</td>
<td>Soil Chemistry and Soil Chemistry Laboratory</td>
<td></td>
</tr>
<tr>
<td>AGRO 457 &amp; AGRO 458</td>
<td>Soil Formation, Classification and Mapping and Soil Formation, Classification and Mapping Laboratory</td>
<td>6</td>
</tr>
<tr>
<td>BIOL 382</td>
<td>Introductory Biostatistics</td>
<td></td>
</tr>
<tr>
<td>CHEM 222 &amp; CHEM 223</td>
<td>College Chemistry II and College Chemistry II Laboratory</td>
<td></td>
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<tr>
<td>CHEM 340 &amp; CHEM 341</td>
<td>Organic Chemistry I and Organic Chemistry Laboratory I</td>
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<tr>
<td>or CHEM 314</td>
<td>Introductory Organic Chemistry</td>
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</tr>
<tr>
<td>CHEM 330</td>
<td>Quantitative Analysis</td>
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<tr>
<td>CIS 243</td>
<td>Principles of MIS</td>
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</tr>
<tr>
<td>CIS 226</td>
<td>Introduction to Visual Programming or CS 146</td>
<td></td>
</tr>
<tr>
<td>GISC 316</td>
<td>Fundamentals of GIS</td>
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</tr>
<tr>
<td>GISC 317</td>
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<td></td>
</tr>
<tr>
<td>GISC 417</td>
<td>GIS Analysis &amp; Modeling</td>
<td></td>
</tr>
<tr>
<td>MATH 136</td>
<td>Calculus I</td>
<td></td>
</tr>
<tr>
<td>MATH 137</td>
<td>Calculus II</td>
<td></td>
</tr>
</tbody>
</table>

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.

### 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.

Select one of the following:

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<td></td>
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<td></td>
</tr>
</tbody>
</table>

### Science Process Courses

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
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<td>BIOL 212</td>
<td>Genome Discovery Exploration</td>
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<td>Animal Physiology Laboratory</td>
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<td>Introduction to Recombinant Genetics</td>
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</tr>
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<td>BIOL 397</td>
<td>Scientific Process</td>
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<tr>
<td>BIOL 404</td>
<td>Techniques and Theory of Electron Microscopy</td>
<td></td>
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<tr>
<td>BIOL 407</td>
<td>Virology</td>
<td></td>
</tr>
<tr>
<td>BIOL 412</td>
<td>Cell Biology Laboratory</td>
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<tr>
<td>BIOL 456</td>
<td>Ichthyology</td>
<td></td>
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<td>BIOL 457</td>
<td>Herpetology</td>
<td></td>
</tr>
<tr>
<td>BIOL 470</td>
<td>Pathogenic Microbiology</td>
<td></td>
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<tr>
<td>BIOL 472</td>
<td>Applied and Environmental Microbiology</td>
<td></td>
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<tr>
<td>BIOL 485</td>
<td>Field Biology</td>
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<tr>
<td>BIOL 496</td>
<td>Plant Biotechnology</td>
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</tr>
<tr>
<td>BIOL 497</td>
<td>Aquatic Field Ecology</td>
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### Elective Course Work

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<tr>
<td>MATH 137</td>
<td>Calculus II</td>
<td></td>
</tr>
</tbody>
</table>
Biology, Bachelor of Science (617)

**Program Coordinator**
Kenneth M. Crawford, kenneth.crawford@wku.edu, (270) 745-6372

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.

**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 unduplicated semester 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.

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)

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<td>BIOL 489</td>
<td>Professional Aspects of Biology</td>
<td>1</td>
</tr>
</tbody>
</table>

**Restricted Electives**

Select one of the following: 4

**Science Process Courses**

Select one of the following:

BIOL 212 Genome Discovery Exploration

BIOL 319 Introduction to Molecular and Cell Biology

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 472 Applied and Environmental Microbiology

BIOL 485 Field Ecology

BIOL 496 Plant Biotechnology

BIOL 497 Aquatic Field Ecology
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<tr>
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<tr>
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<tr>
<td>HON 404</td>
<td>Honors Thesis / Project II</td>
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<tr>
<td></td>
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<td><strong>20</strong></td>
</tr>
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</table>

1  Must complete with a grade of “C” or better.

### 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.

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<tr>
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<td>Select one of the following:</td>
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<td>MATH 117</td>
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<td>College Algebra and Trigonometry (or higher)</td>
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<td>PHYS 231 &amp; PHYS 232</td>
<td>Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I</td>
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<td></td>
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<tr>
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<td>Calculus II</td>
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<td>Calculus with Applications for Life Sciences</td>
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</tr>
<tr>
<td></td>
<td>or PHYS 265</td>
<td></td>
</tr>
<tr>
<td></td>
<td>University Physics II</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&amp; PHYS 266</td>
<td></td>
</tr>
<tr>
<td></td>
<td>University Physics II Laboratory</td>
<td></td>
</tr>
<tr>
<td>SOCL 302</td>
<td>Social Research Methods</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

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 120 and/or BIOL 121, and up to 4 credit hours of BIOL 485 toward this major.

### Finish in Four Plan

http://wku.edu/degreepaths/19-20/documents/ocse/biology_with_a_minor_617.pdf

### Biology, Minor (326)

#### Program Requirements (24 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Required Courses:</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>BIOL 120 &amp; BIOL 121</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Biological Concepts: Cells</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Metabolism and Genetics</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and Biological Concepts: Cells, Metabolism, and Genetics Lab</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BIOL 122 &amp; BIOL 123</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Biological Concepts: Evolution, Diversity, and Ecology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and Biological Concepts: Evolution, Diversity, and Ecology Lab</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select additional biology courses with the aid of their advisor</td>
<td>16</td>
</tr>
</tbody>
</table>

1  12 hours must be at the 300 or higher level.
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 in 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.

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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 120 &amp; BIOL 121</td>
<td>Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 122 &amp; BIOL 123</td>
<td>Biological Concepts: Evolution, Diversity, and Ecology and Biological Concepts: Evolution, Diversity, and Ecology Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 224 &amp; BIOL 225</td>
<td>Animal Biology and Diversity and Animal Biology and Diversity Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 226 &amp; BIOL 227</td>
<td>Microbial Biology and Diversity and Microbial Biology and Diversity Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 319 &amp; BIOL 322</td>
<td>Introduction to Molecular and Cell Biology and Introduction to Molecular and Cell Biology Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 327 &amp; BIOL 337</td>
<td>Genetics and Genetics Laboratory</td>
<td></td>
</tr>
<tr>
<td>BIOL 328</td>
<td>Immunology</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 120 &amp; CHEM 121</td>
<td>College Chemistry I and College Chemistry I Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 222 &amp; CHEM 223</td>
<td>College Chemistry II and College Chemistry II Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 314 or CHEM 340 &amp; CHEM 341</td>
<td>Introductory Organic Chemistry Organic Chemistry I and Organic Chemistry Laboratory I</td>
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<tr>
<td>BIOL/CHEM 446</td>
<td>Biochemistry I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 118 or MATH 116 &amp; MATH 117</td>
<td>College Algebra and Trigonometry College Algebra and Trigonometry</td>
<td>5</td>
</tr>
</tbody>
</table>

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.
Molecular Biotechnology, Bachelor of Science (738)

Program Coordinator
Sigrid H. Jacobshagen, sigrid.jacobshagen@wku.edu, (270) 745-5994

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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 120 &amp; BIOL 121</td>
<td>Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 122 &amp; BIOL 223</td>
<td>Biological Concepts: Evolution, Diversity, and Ecology and Plant Biology and Diversity Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 212</td>
<td>Genome Discovery Exploration</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 226 &amp; BIOL 227</td>
<td>Microbial Biology and Diversity and Microbial Biology and Diversity Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 312</td>
<td>Bioinformatics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 319 &amp; BIOL 322</td>
<td>Introduction to Molecular and Cell Biology and Introduction to Molecular and Cell Biology Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 327 &amp; BIOL 337</td>
<td>Genetics and Genetics Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 350</td>
<td>Introduction to Recombinant Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 369 or BIOL 399</td>
<td>Cooperative Education in Biology and Research Problems in Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 382</td>
<td>Introductory Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 388</td>
<td>Contemporary Issues in Biotechnology</td>
<td>1</td>
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<tr>
<td>BIOL 411</td>
<td>Cell Biology</td>
<td>3</td>
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<tr>
<td>BIOL 446 &amp; BIOL 447</td>
<td>Biochemistry I and Biochemistry Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 489</td>
<td>Professional Aspects of Biology</td>
<td>1</td>
</tr>
</tbody>
</table>

Select 10 credit hours from the following electives: 10

- BIOL 222 & BIOL 223 | Plant Biology and Diversity and Plant Biology and Diversity Lab | 5     |
- BIOL 224 & BIOL 225 | Animal Biology and Diversity and Animal Biology and Diversity Lab | 5     |
- BIOL 316 | Evolution: Theory and Process                                         | 3     |
- BIOL 328 | Immunology                                                            | 3     |
- BIOL 330 | Animal Physiology                                                     | 3     |
- BIOL 331 | Animal Physiology Laboratory                                          | 3     |
- BIOL 335 | Neurobiology                                                          | 3     |
- BIOL 400 | Plant Physiology                                                      | 3     |
- BIOL 403 | Molecular Basis of Cancer                                              | 3     |
- BIOL 404 | Techniques and Theory of Electron Microscopy                          | 3     |
- BIOL 407 | Virology                                                              | 3     |
- BIOL 412 | Cell Biology Laboratory                                               | 3     |
- BIOL 420 | Introduction to Toxicology                                            | 3     |
- BIOL 440 | Developmental Genetics                                                | 3     |
- BIOL 464 | Endocrinology                                                         | 3     |
- BIOL 467 | Biochemistry II                                                       | 3     |
- BIOL 470 | Pathogenic Microbiology                                               | 3     |
- BIOL 490 | Plants as Alternative Therapeutics                                    | 3     |
- BIOL 495 | Molecular Genetics                                                    | 3     |
- BIOL 496 | Plant Biotechnology                                                   | 3     |

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 117</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 136</td>
<td>Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 120</td>
<td>College Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 121</td>
<td>and College Chemistry I Laboratory</td>
<td>5</td>
</tr>
</tbody>
</table>
biochemistry to materials science. Research encourages students to solve. In addition to coursework, the Department of Chemistry provides laboratory experiences. This allows students to achieve an understanding in theoretical models balanced with real-life applications and hands-on and laboratory courses. Our courses provide students with grounding at Western Kentucky University offers an integrated series of lecture and Laboratory for Physics and Biophysics I.

**Finish in Four Plan**

**Department of Chemistry**
Dr. Stuart Burris, Chair
Kelly Thompson Hall, Office 4016
Phone: 270-745-3457
Website: 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 lecture 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 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, spectrophotometers and mass spectrometers, UV-visible spectrophotometers, a Nd-YAG laser system, a 500 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. 209)
- Chemistry, Bachelor of Science (623) (p. 227)

**Minors**
- Chemistry, Minor (335) (p. 229)

**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
Lester L. Pesterfield PhD (Chemistry), University of Tennessee, Knoxville, 1991
Cheryl L. Stevens PhD (Chemistry), University of New Orleans, 1982
Cathleen J. Webb PhD (Chemistry), University of Washington, 1987
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
Matthew J. Nee PhD (Chemistry), University of California-Berkeley, 2005
Carnetta C. Skipworth MS (Chemistry), Western Kentucky University, 2003

Assistant Professor
Yongming Deng PhD (Chemistry), Miami University, 2014
Lawrence J. Hill PhD (Chemistry), University of Arizona, 2014
Brooke B. Williams PhD (Neuroscience), Vanderbilt University, 2010

Scholar-In-Residence
Edwin D. Stevens PhD, University of California-Davis, 1973

Instructor I
Sarah J. Edwards PhD (Chemistry), PA State University Main Campus, 2010

Instructor II
Amanda J. Brooks MS (Chemistry), Western Kentucky University, 1998
David E. Wolfgang PhD (Biochemistry), Cornell University, 1998

Chemistry, Bachelor of Science (623)

Program Coordinator
Stuart C. Burris, stuart.burris@wku.edu, (270) 745-2973

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 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.

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. 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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 120</td>
<td>College Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 121</td>
<td>and College Chemistry I Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHEM 222</td>
<td>College Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 223</td>
<td>and College Chemistry II Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHEM 320</td>
<td>Principles of Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 330</td>
<td>Quantitative Analysis</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 340</td>
<td>Organic Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 341</td>
<td>and Organic Chemistry Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHEM 342</td>
<td>Organic Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 343</td>
<td>and Organic Chemistry Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHEM 398</td>
<td>Undergraduate Seminar</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 399</td>
<td>Research Problems in Chemistry</td>
<td>2-3</td>
</tr>
<tr>
<td>CHEM 420</td>
<td>Inorganic Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>&amp; CHEM 421</td>
<td>and Inorganic Chemistry Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHEM 435</td>
<td>Instrumental Analysis</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 436</td>
<td>and Instrumental Analysis Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHEM 446</td>
<td>Biochemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 450</td>
<td>Physical Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 451</td>
<td>and Physical Chemistry I Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHEM 452</td>
<td>Physical Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 453</td>
<td>and Physical Chemistry II Laboratory</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours: 53-54

1 It is recommended that CHEM 330 be taken as soon after CHEM 222 as possible.
2 It is also recommended that physical chemistry, CHEM 450, CHEM 451, CHEM 452, CHEM 453, be taken in the junior year because CHEM 450 is a prerequisite for CHEM 420.

Required Support Courses for ACS Approved Concentration (16-18 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 136</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 137</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>Select one series from the following:</td>
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<td></td>
</tr>
<tr>
<td>PHYS 231</td>
<td>Introduction to Physics and Biophysics I</td>
<td></td>
</tr>
<tr>
<td>&amp; PHYS 232</td>
<td>and Laboratory for Physics and Biophysics I</td>
<td></td>
</tr>
<tr>
<td>&amp; PHYS 332</td>
<td>and Introduction to Physics and Biophysics II</td>
<td></td>
</tr>
<tr>
<td>&amp; PHYS 233</td>
<td>and Laboratory for Physics and Biophysics II</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 255</td>
<td>University Physics I</td>
<td></td>
</tr>
<tr>
<td>&amp; PHYS 256</td>
<td>and University Physics I Lab</td>
<td></td>
</tr>
<tr>
<td>&amp; PHYS 265</td>
<td>and University Physics II</td>
<td></td>
</tr>
<tr>
<td>&amp; PHYS 266</td>
<td>and University Physics II Laboratory</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours: 16-18

1 Students whose high school preparation in mathematics makes them 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.
# Foundations Concentration (37 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 120</td>
<td>College Chemistry I and College Chemistry I Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 121</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 222</td>
<td>College Chemistry II and College Chemistry II Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 223</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 320</td>
<td>Principles of Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 330</td>
<td>Quantitative Analysis</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 340</td>
<td>Organic Chemistry I and Organic Chemistry Laboratory I</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 341</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 342</td>
<td>Organic Chemistry II and Organic Chemistry II Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 343</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 398</td>
<td>Undergraduate Seminar</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 446</td>
<td>Biochemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 412</td>
<td>Introduction to Physical Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>or CHEM 450&amp; CHEM 451</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

A second major is required for this concentration.

Total Hours: 37

1. It is recommended that CHEM 330 be taken as soon after CHEM 222 as possible.
2. Prerequisites for CHEM 412 are CHEM 314 or CHEM 340, CHEM 330, MATH 136 and PHYS 231 or PHYS 255, all with a grade of "C" or better. Students should be aware of this and plan accordingly.

## Additional Support Courses for the General Chemistry Concentration (8-9 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 136</td>
<td>Calculus I</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one of the following sequences:

- PHYS 231 Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I
- or PHYS 255 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 120</td>
<td>College Chemistry I and College Chemistry I Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 121</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 222</td>
<td>College Chemistry II and College Chemistry II Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 223</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 330</td>
<td>Quantitative Analysis</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 340</td>
<td>Organic Chemistry I and Organic Chemistry Laboratory I</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 341</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 342</td>
<td>Organic Chemistry II and Organic Chemistry II Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 343</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 320</td>
<td>Principles of Inorganic Chemistry</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 33

1. It is recommended that CHEM 330 be taken as soon after CHEM 222 as possible.
2. Prerequisites for CHEM 412 are CHEM 314 or CHEM 340, CHEM 330, MATH 136, and PHYS 231 or PHYS 255, all with a grade of "C" or better. Students should be aware of this and plan accordingly.

---

Western Kentucky University – 2019-20 Undergraduate Catalog
Required Support Courses for Teacher Education (16 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 136</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 231 &amp; PHYS 232</td>
<td>Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 332 &amp; PHYS 233</td>
<td>Introduction to Physics and Biophysics II and Laboratory for Physics and Biophysics II</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 111 &amp; GEOL 113</td>
<td>The Earth and The Earth Laboratory</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Hours: 16

SMED Major Requirements (37 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMED 101</td>
<td>Step 1: Introduction to Inquiry-Based Approaches to Teaching</td>
<td>1</td>
</tr>
<tr>
<td>SMED 102</td>
<td>Step 2: Introduction to Inquiry-Based Lesson Design</td>
<td>2</td>
</tr>
<tr>
<td>SMED 310</td>
<td>Knowing and Learning in Mathematics and Science</td>
<td>3</td>
</tr>
<tr>
<td>SMED 320</td>
<td>Classroom Interactions</td>
<td>3</td>
</tr>
<tr>
<td>SMED 340</td>
<td>Perspectives on Mathematics and Science</td>
<td>3</td>
</tr>
<tr>
<td>SMED 360</td>
<td>Research Methods for Math and Science Teachers</td>
<td>3</td>
</tr>
<tr>
<td>SMED 470</td>
<td>Project-Based Instruction</td>
<td>3</td>
</tr>
<tr>
<td>SMED 489</td>
<td>SMED Student Teaching Seminar</td>
<td>3</td>
</tr>
<tr>
<td>SPED 330</td>
<td>Introduction to Exceptional Education: Diversity in Learning</td>
<td>3</td>
</tr>
<tr>
<td>SEC 490</td>
<td>Student Teaching</td>
<td>10</td>
</tr>
<tr>
<td>LTCY 421</td>
<td>Content Area Reading in the Middle and Secondary Grades</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 37

Finish in Four Plan


Chemistry, Minor (335)

Program Requirements (20 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 120</td>
<td>College Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 121</td>
<td>College Chemistry I Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 222</td>
<td>College Chemistry II</td>
<td>3</td>
</tr>
</tbody>
</table>

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 Geography and Geology

Dr. Fred Siewers, Chair

Environmental Sciences and Technology Building, Office 304
Phone: 270-745-4555
Website: http://www.wku.edu/geoweb

Programs offered by the Department of Geography and Geology are designed to meet the career goals of students in a wide variety of geoscience areas. Over the past decade, most of our program graduates have found employment in their preferred professions, and many have gone on to advanced graduate programs.

Geography courses provide a scientific foundation for the investigation and understanding of the physical and biological environments, the nature of social, political and economic activity, and the interaction between humans and the environment. Collectively, these courses offer basic professional training for geographers, environmental scientists, and spatial analysts, as well as providing geographic training for prospective elementary, middle, and high school teachers. They are also an essential component of international programs offered by the university in Latin American, Asian, African, and Canadian studies, and in International business. Geography is considered an essential life skill.

Professional degrees in Geography and Environmental Studies, Meteorology, and Geographic Information Science (GIS) prepare students for service as water and environmental resource managers, city and regional planners, industrial and commercial consultants, meteorologists and climatologists, cartographers, G.I.S. analysts, educators, and government employees in a wide range of national, state, and local agencies. Environmental Planning, Resource Management, and Sustainable Development are interdisciplinary specialties of the Department and many graduates work for the National Park Service, National Forest Service, and other management agencies. Majors in Meteorology and GIS prepare students for professional careers in the atmospheric sciences and in positions that demand sophisticated spatial analytical techniques.

Geology courses provide the basic professional foundation for the scientific investigation of the Earth as well as geological education for the prospective teacher. Geology majors may enter positions in industry and government agencies. Many geologists work in interdisciplinary fields such as hydrology, energy, environmental and engineering geology, geophysics, and geochemistry. Geologists are needed in many areas for basic Earth research, for exploration and development of natural resources, and to address various environmental problems. Students are prepared for a variety of interesting and important career positions in federal and state agencies, engineering and environmental firms, and other areas of private industry, including oil, gas, and coal companies. In addition to the professional B.S. degree in Geology, majors may...
also select A.B. degree options in earth and space science or general geoscience. The geology program also prepares students for eventual certification as a Professional Geologist.

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 chapters 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 head.

A five-year bachelors/masters in geography, geology, meteorology, or GIS and geoscience (JUMP program) is available so that motivated students can focus their research interests and gain a Master's degree in an expedited time frame. Five-year bachelors/masters programs can be tailored to meet other research interests for motivated students.

### Degrees

- Geographic Information Science, Bachelor of Science (576) (p. 230)
- Geography and Environmental Studies, Bachelor of Science (675) (p. 231)
- Geology, Bachelor of Science (577) (p. 233)
- Meteorology, Bachelor of Science (578) (p. 235)

### Certificate

- Geographic Information Systems, Certificate (174) (p. 231)

### Faculty

**Professor**

Catherine M. Algeo PhD (Geography), Louisiana State University & A&M College, 1998  
Stuart A. Foster PhD (Geography), The Ohio State University Main Campus, 1988  
Margaret M. Gripshover PhD (Geography), University of Tennessee, Knoxville, 1995  
Christopher G. Groves PhD (Environmental Science), University of Virginia, 1993  
David J. Keeling PhD (Geography), University of Oregon, 1992  
Michael T. May PhD (Geological Sciences), Indiana University-Bloomington, 1992  
Jun Yan PhD (Geography), SUNY College at Buffalo, 2004

**Associate Professor**

Joshua D. Durkee PhD (Geography), University of Georgia, 2002  
Xingang Fan PhD (Atmospheric Sciences, Synoptic Dynamics), Lanzhou University, 1996  
Mohammad R. Gani PhD (Geosciences), University of Texas at Dallas, 2005  
Nahid Gani PhD (Geosciences), University of Texas at Dallas, 2006  
Gregory B. Goodrich PhD (Geography), Arizona State University-ALL, 2005  
Leslie A. North PhD (Geography and Environmental Science and Policy), University of South Florida, 2011  
Jason Polk PhD (Geography and Environmental Science and Policy), University of South Florida, 2009  
Fredrick D. Siewers PhD (Geology), University of Illinois at Urbana-Champaign, 1995  
Andrew H. Wulf PhD (Geosciences), University of Massachusetts, 1999

### Assistant Professor

Jill R. Brown MS (Geoscience), Western Kentucky University, 2002

### Instructor I

Patricia N. Kambesis PhD (Earth and Atmospheric Sciences), Mississippi State University, 2014

### Instructor II

William P. Blackburn MS (Geoscience), Western Kentucky University, 2003  
Kevin B. Cary MS (Geoscience), Western Kentucky University, 2001  
Margaret E. Crowder EdD (Educational Leadership, Postsecondary Leadership), Western Kentucky University, 2012  
Scott A. Dobler MA (Geography), Bowling Green State University, 1990  
Amy T. Nemon MS (Geoscience), Western Kentucky University, 2007

**Geographic Information Science, Bachelor of Science (576)**

**Program Coordinator**  
Jun Yan, jun.yan@wku.edu, (270) 745-8952

The major in geographic information science focuses on the concepts and principles of GIS systems, along with its four components:

1. Input, corrections, and collection of geospatial data  
2. Storage and retrieval of geospatial data  
3. Manipulation and analysis of geospatial data  
4. Maps and other forms of presentation of geospatial data

**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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/colonnade/colonnaderequirements.php.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 170</td>
<td>Problem Solving and Programming</td>
<td>3</td>
</tr>
<tr>
<td>GEOG/GEOL 103</td>
<td>Our Dynamic Planet</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 111</td>
<td>The Earth</td>
<td>3</td>
</tr>
<tr>
<td>METR 121</td>
<td>Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>GECO 110</td>
<td>World Regional Geography</td>
<td>3</td>
</tr>
<tr>
<td>GECO 499</td>
<td>Professional Preparation</td>
<td>1</td>
</tr>
</tbody>
</table>

**Foundation Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GECO 300</td>
<td>Writing in the Geosciences</td>
<td>3</td>
</tr>
<tr>
<td>GECO 391</td>
<td>Spatial Data Analysis and Interpretation</td>
<td>4</td>
</tr>
<tr>
<td>GISC 316</td>
<td>Fundamentals of GIS</td>
<td>4</td>
</tr>
<tr>
<td>GISC 317</td>
<td>Geographic Information Systems</td>
<td>4</td>
</tr>
</tbody>
</table>

**Professional Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GISC 414</td>
<td>Remote Sensing Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>GISC 417</td>
<td>GIS Analysis &amp; Modeling</td>
<td>3</td>
</tr>
</tbody>
</table>
Program Requirements (14 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GISC 316</td>
<td>Fundamentals of GIS</td>
<td>4</td>
</tr>
<tr>
<td>GISC 317</td>
<td>Geographic Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>GISC 417</td>
<td>GIS Analysis &amp; Modeling</td>
<td>3</td>
</tr>
<tr>
<td>GISC 419</td>
<td>GIS Programming</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 14

Geography and Environmental Studies, Bachelor of Science (675)

Program Coordinator
Leslie A. North, leslie.north@wku.edu, (270) 745-5982

The major in Geography and Environmental Studies has a variety of concentrations from which students select based on their interests. Majors may specialize in environment and sustainability, karst geoscience and water resources, climate systems, tourism and development, and geography. The major also has an option for students who wish to pursue Honors in Geography.

Program Requirements (52 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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/colonnade/colonnaderequirements.php.

The Bachelor of Science major in Geography and Environmental Studies requires a minimum of 52 semester hours. Incoming freshmen are encouraged to take GEOG 175 (University Experience) as preparation for the major.

Core Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 103</td>
<td>Our Dynamic Planet ¹</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 110</td>
<td>World Regional Geography ¹</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 300</td>
<td>Writing in the Geosciences</td>
<td>3</td>
</tr>
<tr>
<td>GISC 316</td>
<td>Fundamentals of GIS</td>
<td>4</td>
</tr>
<tr>
<td>GISC 317</td>
<td>Geographic Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 391</td>
<td>Spatial Data Analysis and Interpretation</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 495</td>
<td>Research Practicum or Internship</td>
<td></td>
</tr>
<tr>
<td>GEOG 452</td>
<td>Applied Geoscience Field Experience</td>
<td></td>
</tr>
<tr>
<td>GEOG 475</td>
<td>Selected Topics in Geography</td>
<td></td>
</tr>
<tr>
<td>GEOG 499</td>
<td>Professional Preparation</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Hours: 26

¹ Colonnade course.

In addition, students must select one of the following concentrations:

Geographic Information Systems, Certificate (174)

Program Coordinator
Jun Yan, jun.yan@wku.edu, (270) 745-8952

Geographic Information Systems technology is widely used in business and industry, government, and education. This certificate is designed for students in a variety of disciplines that involve the analysis, mapping, and interpretation of geographic data. Students who complete the program will have a solid foundation that spans the collection, management, analysis, interpretation, and display of data using geographic information systems. 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 customized GIS applications.

The program is housed in the Department of Geography and Geology.
Climate Systems Concentration
At least 26 hours in the program must be at the upper division level.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>METR 121</td>
<td>Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>METR 322</td>
<td>Global Climate Systems</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 455</td>
<td>Global Climate Change</td>
<td>3</td>
</tr>
</tbody>
</table>

Select elective courses from any GEOG, GISC, or METR at the 200 level or above, with advisor approval. Examples include the following. At least 26 hours in the program must be at the upper division level:

- METR 121 Meteorology ¹
- GEOG 226 Our Dangerous Planet ¹
- METR 322 Global Climate Systems ¹
- GEOG 328 Elements of Biogeography
- GEOG 344 Environmental Ethics
- GISC 414 Remote Sensing Fundamentals
- GEOG 459 Advanced Hydrology
- GEOG 471 Technological Applications in Natural Resource Management
- GEOG 474 Environmental Planning Applications
- GEOG 487 Environmental Management and Law

Total Hours 10

¹ Colonnade course.

Additional Requirements
Not included in the 52 program hours.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 115</td>
<td>Applied College Algebra ¹</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 116</td>
<td>College Algebra</td>
<td></td>
</tr>
<tr>
<td>MATH 183</td>
<td>Introductory Statistics ¹</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 6

¹ Colonnade course.

Environment and Sustainability Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 210</td>
<td>Environment and Ecological Policy</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 280</td>
<td>Environmental Science and</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Sustainability</td>
<td></td>
</tr>
<tr>
<td>GEOG 380</td>
<td>Global Sustainability</td>
<td>3</td>
</tr>
</tbody>
</table>

Select elective courses from any GEOG, GISC, or METR at the 200 level or above, with advisor approval. Examples include the following. At least 26 hours in the program must be at the upper division level:

- METR 121 Meteorology ¹
- GEOG 226 Our Dangerous Planet ¹
- METR 322 Global Climate Systems ¹
- GEOG 328 Elements of Biogeography
- GEOG 344 Environmental Ethics
- GISC 414 Remote Sensing Fundamentals
- GEOG 459 Advanced Hydrology
- GEOG 471 Technological Applications in Natural Resource Management
- GEOG 474 Environmental Planning Applications
- GEOG 487 Environmental Management and Law

Total Hours 6

¹ Colonnade course.

Additional Requirements
Not included in the 52 program hours.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 115</td>
<td>Applied College Algebra ¹</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 116</td>
<td>College Algebra</td>
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</tr>
</tbody>
</table>
### Karst and Water Resources Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 280</td>
<td>Environmental Science and Sustainability ¹</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 310</td>
<td>Global Hydrology</td>
<td>3</td>
</tr>
<tr>
<td>or GEOL 310</td>
<td>Global Hydrology</td>
<td></td>
</tr>
<tr>
<td>GEOG 461</td>
<td>Karst Environments</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 475</td>
<td>Selected Topics in Geography</td>
<td>1-3</td>
</tr>
</tbody>
</table>

Select elective courses from any GEOG, GISC, GEOL, or METR at the 200 level or above, with advisor approval. Examples include the following. At least 26 hours in the program must be at the upper division level:

- GEOG 226    Our Dangerous Planet ¹
- METR 322    Global Climate Systems ¹
- GEOG 328    Elements of Biogeography
- GEOG 344    Environmental Ethics
- GISC 414    Remote Sensing Fundamentals
- GEOG 459    Advanced Hydrology
- GEOG 471    Technological Applications in Natural Resource Management
- GEOG 474    Environmental Planning Applications
- GEOG 487    Environmental Management and Law

Total Hours: 11-13

¹ Colonnade course.

### Additional Requirements

Not included in the 52 program hours.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 115</td>
<td>Applied College Algebra ¹</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 116</td>
<td>College Algebra</td>
<td></td>
</tr>
<tr>
<td>MATH 183</td>
<td>Introductory Statistics ¹</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 6

¹ Colonnade course.

### Finish in Four Plans

**Geography:** [http://wku.edu/degreepaths/19-20/documents/osce/geography_environmental_studies_cultural_geo_675.pdf](http://wku.edu/degreepaths/19-20/documents/osce/geography_environmental_studies_cultural_geo_675.pdf)

**Tourism and Development:** [http://wku.edu/degreepaths/19-20/documents/osce/geography_environmental_studies_tourism_development_675.pdf](http://wku.edu/degreepaths/19-20/documents/osce/geography_environmental_studies_tourism_development_675.pdf)

**Climate Systems:** [http://wku.edu/degreepaths/19-20/documents/osce/geography_environmental_studies_climate_systems_675.pdf](http://wku.edu/degreepaths/19-20/documents/osce/geography_environmental_studies_climate_systems_675.pdf)


**Environment and Sustainability:** [http://wku.edu/degreepaths/19-20/documents/osce/geography_environmental_studies_environment_climate_675.pdf](http://wku.edu/degreepaths/19-20/documents/osce/geography_environmental_studies_environment_climate_675.pdf)

### Geology, Bachelor of Science (577)

**Program Coordinator**

MD R. Gani, royhan.gani@wku.edu, (270) 745-5977

Geology is ground zero for tackling global challenges like climate change and sustainable energy. Geology is full of engagement and opportunities. GEOLOGY can take you anywhere!
A major in Geology can offer you:

- Multi-discipline department allowing for holistic and multi-faceted research.
- Job and internship opportunities with both local and international companies.
- State-of-the-art analytical and computational labs.
- Abundant field work.
- Study abroad opportunities around the world.
- Student-centered advanced research opportunities.
- Academic partnerships with professional labs and universities.

**Program Requirements (52 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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/colonnade/colonnaderequirements.php.

The professional major in geology is for students seeking careers as a professional geologist and requires a minimum of 52 semester hours and leads to a Bachelor of Science degree. This major provides students with a solid background in all traditional areas of geology for entry-level employment or graduate school.Incoming freshmen are encouraged to take GEOG 175 (University Experience) as preparation for the major.

**Professional Extended Major (reference number 577)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL/GEOG 103</td>
<td>Our Dynamic Planet</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 112</td>
<td>Earth History</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 113</td>
<td>The Earth Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>GEOL 114</td>
<td>Earth History Lab</td>
<td>1</td>
</tr>
<tr>
<td>GEOL 270</td>
<td>Analytical Techniques in Geology</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 408</td>
<td>Structural Geology</td>
<td>4</td>
</tr>
<tr>
<td>GISC 316</td>
<td>Fundamentals of GIS</td>
<td>4</td>
</tr>
<tr>
<td>GISC 317</td>
<td>Geographic Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 330</td>
<td>Mineralogy</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 350</td>
<td>Petrology</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 360</td>
<td>Sedimentology and Stratigraphy</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 499</td>
<td>Professional Preparation in Geology</td>
<td>2</td>
</tr>
<tr>
<td>Select one of the following: &amp; GEOL 452</td>
<td>Introductory Field Techniques and Applied Geoscience Field Experiences</td>
<td>6</td>
</tr>
<tr>
<td>GISC 417 &amp; GISC 419</td>
<td>GIS Analysis &amp; Modeling and GIS Programming</td>
<td>6</td>
</tr>
</tbody>
</table>

**Program Electives**

Select 8-9 hours from any GEOL 200-level course or above, including the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 270</td>
<td>Analytical Techniques in Geology</td>
</tr>
<tr>
<td>GEOL 310</td>
<td>Global Hydrology</td>
</tr>
<tr>
<td>GEOL 311</td>
<td>General Oceanography</td>
</tr>
<tr>
<td>GEOL 315</td>
<td>Energy, Climate and Carbon</td>
</tr>
<tr>
<td>GEOL 325</td>
<td>Introduction to Minerals and Crystalline Rocks</td>
</tr>
<tr>
<td>GEOL 330</td>
<td>Mineralogy</td>
</tr>
<tr>
<td>GEOL 350</td>
<td>Petrology</td>
</tr>
<tr>
<td>GEOL 399</td>
<td>Research Problems in Geology</td>
</tr>
<tr>
<td>GEOL 405</td>
<td>Paleontology</td>
</tr>
<tr>
<td>GEOL 415</td>
<td>Environmental Geology</td>
</tr>
<tr>
<td>GEOL 420</td>
<td>Geomontology</td>
</tr>
<tr>
<td>GEOL 430</td>
<td>Optical Mineralogy</td>
</tr>
<tr>
<td>GEOL 432</td>
<td>Diffraction and Spectroscopy</td>
</tr>
<tr>
<td>GEOL 440</td>
<td>Hydrogeology</td>
</tr>
<tr>
<td>GEOL 465</td>
<td>Geophysics</td>
</tr>
<tr>
<td>GEOL 470</td>
<td>Tectonics</td>
</tr>
<tr>
<td>GEOL 475</td>
<td>Special Topics in Geology</td>
</tr>
<tr>
<td>GEOG 310</td>
<td>Global Hydrology</td>
</tr>
<tr>
<td>GEOG 391</td>
<td>Spatial Data Analysis and Interpretation</td>
</tr>
<tr>
<td>GISC 417</td>
<td>GIS Analysis &amp; Modeling</td>
</tr>
<tr>
<td>GISC 419</td>
<td>GIS Programming</td>
</tr>
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</table>

**Total Hours** 51-52

**Additional Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 136</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 120 &amp; CHEM 121</td>
<td>College Chemistry I and College Chemistry I Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 180 &amp; PHYS 181</td>
<td>Introductory Modern Physics and Introductory Modern Physics Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>or PHYS 201</td>
<td>College Physics I</td>
<td></td>
</tr>
<tr>
<td>GEOG 300</td>
<td>Writing in the Geosciences</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total Hours** 16

1 Satisfies Colonnade Foundations Writing in the Disciplines requirement effective Fall 2014.

To graduate with Geology Honors, students should take an additional 12 hours of GEOL courses beyond the minimum required for the major and maintain a GPA of 3.25 or higher.

**Finish in Four Plan**

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.

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.

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 48 semester hours of meteorology, geography, 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>METR 121</td>
<td>Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>METR 122</td>
<td>Aviation Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>CS 170</td>
<td>Problem Solving and Programming</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 300</td>
<td>Writing in the Geosciences</td>
<td>3</td>
</tr>
<tr>
<td>GISC 316</td>
<td>Fundamentals of GIS</td>
<td>4</td>
</tr>
<tr>
<td>METR 324</td>
<td>Weather Analysis and Forecasting</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 391</td>
<td>Spatial Data Analysis and Interpretation</td>
<td>4</td>
</tr>
<tr>
<td>METR 431</td>
<td>Dynamic Meteorology I</td>
<td>3</td>
</tr>
<tr>
<td>METR 432</td>
<td>Synoptic Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>METR 433</td>
<td>Dynamic Meteorology II</td>
<td>3</td>
</tr>
<tr>
<td>METR 437</td>
<td>Mesoscale Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 499</td>
<td>Professional Preparation</td>
<td>1</td>
</tr>
</tbody>
</table>

Select 12 hours from any 200-level or above METR course 12

Total Hours 48

Additional Courses Required Outside of the Major

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 255</td>
<td>University Physics I</td>
<td>5</td>
</tr>
<tr>
<td>&amp; PHYS 256</td>
<td>and University Physics I Lab</td>
<td></td>
</tr>
<tr>
<td>PHYS 265</td>
<td>University Physics II</td>
<td>5</td>
</tr>
<tr>
<td>&amp; PHYS 266</td>
<td>and University Physics II Laboratory</td>
<td></td>
</tr>
<tr>
<td>MATH 136</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 137</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 237</td>
<td>Multivariable Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MATH 331</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 25

Finish in Four Plan


Department of Mathematics

Dr. Bruce Kessler, Head

Professor David Neal, Lead Advisor

College High Hall, Office 4124
Phone: 270-745-3651; Fax: 270-745-3699
Email: math@wku.edu
Website: 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 head.

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)

**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**

• Mathematics, Bachelor of Arts (528P, 528) (p. 237)
  
• Mathematics, Bachelor of Arts (728P, 728) (p. 239)
  
• Middle Grades Mathematics, Bachelor of Science (730P, 730) (p. 240)
  
• Mathematical Economics, Bachelor of Science (731P, 731) (p. 157)

**Minors**

• Applied Statistics, Minor (313) (p. 236)
  
• Mathematics, Minor (Minor for Employment in Industry and/or Graduate Studies in Mathematics) (417) (p. 240)

**Faculty**

**Professor**

Ferhan Atici PhD (Mathematics and Statistics), University of Nebraska-Lincoln, 1995

Claus D. Ernst PhD (Mathematics), Florida State University, 1988

Walter B. Kessler PhD (Mathematics), Vanderbilt University, 1997

Dominic A. Lanphier PhD (Mathematics), University of Minnesota-Twin Cities, 2000

Thanh L. Nguyen PhD (Mathematics), Ohio University Main Campus, 2002

Thomas A. Richardson PhD (Mathematics), Washington State University, 1986

Mark P. Robinson PhD (Mathematics), University of Kentucky, 1991

John S. Spraker PhD (Mathematics), Indiana University-Bloomington, 1987

**Associate Professor**

Melanie A. Autin PhD (Statistics), University of South Carolina - Columbia, 2007

Tilak Bhattacharya PhD (Mathematics), Purdue University Main Campus, 1988

Janice D. Brockman MS (Mathematics), Western Kentucky University, 2003

Kaunita 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

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

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

Mikhail Khenner PhD (Physico-Mathematical Sciences), Perm State University-Russian, 1999

Hope L. Marchionda PhD (Curriculum and Instruction), Clemson University, 2006

Samangi Munasinghe PhD (Mathematics), Texas A & M University, 2006

Ngoc B. Nguyen PhD (Mathematics), Bowling Green State University, 2010

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, North Carolina State University, 2018

Katasha Gerstenschlager PhD (Mathematics & Science Educ), Middle Tennessee State University, 2015

Ahmet O. Ozer PhD (Applied Mathematics), Iowa State University, 2011

Lukun Zheng PhD, University North Carolina Charlotte, 2015

**Instructor I**

Lindsey N. Brown MA (Mathematics), Western Kentucky University, 2017

Miriam M. El-Farah MS (Mathematics), Western Kentucky University, 2015

Tonja S. Miick MS (Mathematics), Western Kentucky University, 2013

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)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 136</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>or MATH 142</td>
<td>Calculus with Applications for Life Sciences</td>
<td></td>
</tr>
<tr>
<td>STAT 301</td>
<td>Introductory Probability and Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>STAT 330</td>
<td>Introduction to Statistical Software</td>
<td>3</td>
</tr>
<tr>
<td>STAT 401</td>
<td>Regression Analysis</td>
<td>3</td>
</tr>
<tr>
<td>STAT 402</td>
<td>Experimental Design</td>
<td>3</td>
</tr>
<tr>
<td>Select at least three credit hours of relevant elective coursework from the following: Any 300-level or 400-level STAT course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 482</td>
<td>Probability and Statistics II</td>
<td></td>
</tr>
<tr>
<td>At most 3 credit hours of 300-400 level statistical coursework relevant to the student's area of study</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 19
Mathematics, Bachelor of Arts (528P, 528)

Program Coordinator
Molly Dunkum, molly.dunkum@wku.edu, (270) 745-6235

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.

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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: 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 221, 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 136</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 137</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 237</td>
<td>Multivariable Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MATH 307</td>
<td>Introduction to Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 310</td>
<td>Introduction to Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 317</td>
<td>Introduction to Algebraic Systems</td>
<td>3</td>
</tr>
<tr>
<td>MATH 337</td>
<td>Elements of Real Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MATH 431</td>
<td>Intermediate Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 498</td>
<td>Senior Seminar</td>
<td>1-3</td>
</tr>
</tbody>
</table>

Total Hours: 28-30

Select one of the following concentrations:

#### B1: Fundamentals of Analysis and Discrete Mathematics

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 417</td>
<td>Algebraic Systems</td>
<td>3</td>
</tr>
<tr>
<td>MATH 439</td>
<td>Topology I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 450</td>
<td>Complex Variables</td>
<td>3</td>
</tr>
</tbody>
</table>

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 |
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MATH 470</td>
<td>Introduction to Operations Research</td>
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</tr>
<tr>
<td>MATH 473</td>
<td>Introduction to Graph Theory</td>
<td></td>
</tr>
<tr>
<td>MATH 475</td>
<td>Selected Topics in Mathematics (up to 6 hours)</td>
<td></td>
</tr>
<tr>
<td>MATH 482</td>
<td>Probability and Statistics II</td>
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</table>

Total Hours: 21

**B2: Fundamentals of Applied Mathematics**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 331</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 370</td>
<td>Applied Techniques in Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 382</td>
<td>Probability and Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 405</td>
<td>Numerical Analysis I</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two of the following: 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 305</td>
<td>Introduction to Mathematical Modeling</td>
<td></td>
</tr>
<tr>
<td>MATH 406</td>
<td>Numerical Analysis II</td>
<td></td>
</tr>
<tr>
<td>MATH 435</td>
<td>Partial Differential Equations</td>
<td></td>
</tr>
<tr>
<td>MATH 470</td>
<td>Introduction to Operations Research</td>
<td></td>
</tr>
<tr>
<td>MATH 482</td>
<td>Probability and Statistics II</td>
<td></td>
</tr>
</tbody>
</table>

Select three credit hours of the following: 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MATH 275</td>
<td>Introductory Topics in Mathematics</td>
<td></td>
</tr>
<tr>
<td>STAT 301</td>
<td>Introductory Probability and Applied Statistics</td>
<td></td>
</tr>
<tr>
<td>MATH 305</td>
<td>Introduction to Mathematical Modeling</td>
<td></td>
</tr>
<tr>
<td>MATH 315</td>
<td>Theory of Numbers</td>
<td></td>
</tr>
<tr>
<td>MATH 323</td>
<td>Geometry I</td>
<td></td>
</tr>
<tr>
<td>MATH 331</td>
<td>Differential Equations</td>
<td></td>
</tr>
<tr>
<td>MATH 370</td>
<td>Applied Techniques in Mathematics</td>
<td></td>
</tr>
<tr>
<td>MATH 377</td>
<td>Advanced Computational Problem Solving (provided MATH 371 was not used to satisfy the computational requirement)</td>
<td></td>
</tr>
<tr>
<td>MATH 382</td>
<td>Probability and Statistics I</td>
<td></td>
</tr>
<tr>
<td>MATH 398</td>
<td>Seminar</td>
<td></td>
</tr>
<tr>
<td>MATH 405</td>
<td>Numerical Analysis I</td>
<td></td>
</tr>
<tr>
<td>MATH 406</td>
<td>Numerical Analysis II</td>
<td></td>
</tr>
<tr>
<td>MATH 409</td>
<td>History of Mathematics</td>
<td></td>
</tr>
<tr>
<td>MATH 415</td>
<td>Algebra and Number Theory</td>
<td></td>
</tr>
<tr>
<td>MATH 417</td>
<td>Algebraic Systems</td>
<td></td>
</tr>
<tr>
<td>MATH 423</td>
<td>Geometry II</td>
<td></td>
</tr>
<tr>
<td>MATH 435</td>
<td>Partial Differential Equations</td>
<td></td>
</tr>
<tr>
<td>MATH 470</td>
<td>Introduction to Operations Research</td>
<td></td>
</tr>
<tr>
<td>MATH 473</td>
<td>Introduction to Graph Theory</td>
<td></td>
</tr>
<tr>
<td>MATH 475</td>
<td>Selected Topics in Mathematics (up to 6 hours)</td>
<td></td>
</tr>
<tr>
<td>MATH 482</td>
<td>Probability and Statistics II</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours: 21

**B3: Fundamentals of Mathematical Studies**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 450</td>
<td>Complex Variables</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two of the following: 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 405</td>
<td>Numerical Analysis I</td>
<td></td>
</tr>
<tr>
<td>MATH 406</td>
<td>Numerical Analysis II</td>
<td></td>
</tr>
<tr>
<td>MATH 409</td>
<td>History of Mathematics</td>
<td></td>
</tr>
<tr>
<td>MATH 415</td>
<td>Algebra and Number Theory</td>
<td></td>
</tr>
<tr>
<td>MATH 417</td>
<td>Algebraic Systems</td>
<td></td>
</tr>
<tr>
<td>MATH 423</td>
<td>Geometry II</td>
<td></td>
</tr>
<tr>
<td>MATH 435</td>
<td>Partial Differential Equations</td>
<td></td>
</tr>
<tr>
<td>MATH 439</td>
<td>Topology I</td>
<td></td>
</tr>
<tr>
<td>MATH 450</td>
<td>Complex Variables</td>
<td></td>
</tr>
<tr>
<td>MATH 470</td>
<td>Introduction to Operations Research</td>
<td></td>
</tr>
<tr>
<td>MATH 473</td>
<td>Introduction to Graph Theory</td>
<td></td>
</tr>
<tr>
<td>MATH 475</td>
<td>Selected Topics in Mathematics (up to 6 hours)</td>
<td></td>
</tr>
<tr>
<td>MATH 482</td>
<td>Probability and Statistics II</td>
<td></td>
</tr>
</tbody>
</table>

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 head. No minor or second major for the extended major is required.

**Finish in Four Plan**


Mathematics, Bachelor of Arts (728, 728)

Program Coordinator
Molly Dunkum, molly.dunkum@wku.edu, (270) 745-6235

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).

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.

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

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 136</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 137</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 237</td>
<td>Multivariable Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MATH 307</td>
<td>Introduction to Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 310</td>
<td>Introduction to Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 317</td>
<td>Introduction to Algebraic Systems</td>
<td>3</td>
</tr>
<tr>
<td>MATH 337</td>
<td>Elements of Real Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MATH 498</td>
<td>Senior Seminar</td>
<td>1-3</td>
</tr>
</tbody>
</table>

Select two courses from the following: 1 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 405</td>
<td>Numerical Analysis I</td>
<td></td>
</tr>
<tr>
<td>MATH 406</td>
<td>Numerical Analysis II</td>
<td></td>
</tr>
<tr>
<td>MATH 415</td>
<td>Algebra and Number Theory</td>
<td></td>
</tr>
<tr>
<td>MATH 417</td>
<td>Algebraic Systems</td>
<td></td>
</tr>
<tr>
<td>MATH 423</td>
<td>Geometry II</td>
<td></td>
</tr>
<tr>
<td>MATH 431</td>
<td>Intermediate Analysis I</td>
<td></td>
</tr>
<tr>
<td>MATH 435</td>
<td>Partial Differential Equations</td>
<td></td>
</tr>
<tr>
<td>MATH 439</td>
<td>Topology I</td>
<td></td>
</tr>
<tr>
<td>MATH 450</td>
<td>Complex Variables</td>
<td></td>
</tr>
<tr>
<td>MATH 470</td>
<td>Introduction to Operations Research</td>
<td></td>
</tr>
<tr>
<td>MATH 473</td>
<td>Introduction to Graph Theory</td>
<td></td>
</tr>
<tr>
<td>MATH 482</td>
<td>Probability and Statistics II</td>
<td></td>
</tr>
</tbody>
</table>

Select six hours from the following: 1 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 305</td>
<td>Introduction to Mathematical Modeling</td>
<td></td>
</tr>
<tr>
<td>MATH 315</td>
<td>Theory of Numbers</td>
<td></td>
</tr>
<tr>
<td>MATH 323</td>
<td>Geometry I</td>
<td></td>
</tr>
<tr>
<td>MATH 331</td>
<td>Differential Equations</td>
<td></td>
</tr>
<tr>
<td>MATH 370</td>
<td>Applied Techniques in Mathematics</td>
<td></td>
</tr>
<tr>
<td>MATH 371</td>
<td>Advanced Computational Problem Solving</td>
<td></td>
</tr>
<tr>
<td>MATH 382</td>
<td>Probability and Statistics I</td>
<td></td>
</tr>
<tr>
<td>MATH 398</td>
<td>Seminar ((up to 3 hours))</td>
<td></td>
</tr>
<tr>
<td>MATH 405</td>
<td>Numerical Analysis I</td>
<td></td>
</tr>
<tr>
<td>MATH 406</td>
<td>Numerical Analysis II</td>
<td></td>
</tr>
<tr>
<td>MATH 415</td>
<td>Algebra and Number Theory</td>
<td></td>
</tr>
<tr>
<td>MATH 417</td>
<td>Algebraic Systems</td>
<td></td>
</tr>
<tr>
<td>MATH 423</td>
<td>Geometry II</td>
<td></td>
</tr>
<tr>
<td>MATH 435</td>
<td>Partial Differential Equations</td>
<td></td>
</tr>
<tr>
<td>MATH 439</td>
<td>Topology I</td>
<td></td>
</tr>
<tr>
<td>MATH 450</td>
<td>Complex Variables</td>
<td></td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 136</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 137</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 237</td>
<td>Multivariable Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MATH 304</td>
<td>Functions, Applications and Explorations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 307</td>
<td>Introduction to Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 310</td>
<td>Introduction to Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 317</td>
<td>Introduction to Algebraic Systems</td>
<td>3</td>
</tr>
<tr>
<td>MATH 323</td>
<td>Geometry I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 498</td>
<td>Senior Seminar</td>
<td>1-3</td>
</tr>
<tr>
<td>STAT 301</td>
<td>Introductory Probability and Applied Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Select a 400-level mathematics course from the following: 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 405</td>
<td>Numerical Analysis I</td>
<td></td>
</tr>
<tr>
<td>MATH 406</td>
<td>Numerical Analysis II</td>
<td></td>
</tr>
<tr>
<td>MATH 409</td>
<td>History of Mathematics</td>
<td></td>
</tr>
<tr>
<td>MATH 415</td>
<td>Algebra and Number Theory</td>
<td></td>
</tr>
<tr>
<td>MATH 417</td>
<td>Algebraic Systems</td>
<td></td>
</tr>
<tr>
<td>MATH 421</td>
<td>Problem Solving for Secondary Teachers</td>
<td></td>
</tr>
<tr>
<td>MATH 423</td>
<td>Geometry II</td>
<td></td>
</tr>
<tr>
<td>MATH 431</td>
<td>Intermediate Analysis I</td>
<td></td>
</tr>
<tr>
<td>MATH 435</td>
<td>Partial Differential Equations</td>
<td></td>
</tr>
<tr>
<td>MATH 439</td>
<td>Topology I</td>
<td></td>
</tr>
<tr>
<td>MATH 450</td>
<td>Complex Variables</td>
<td></td>
</tr>
<tr>
<td>MATH 470</td>
<td>Introduction to Operations Research</td>
<td></td>
</tr>
<tr>
<td>MATH 482</td>
<td>Probability and Statistics II</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 34-36

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 310) 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.

Mathematics, Minor (Minor for Employment in Industry and/or Graduate Studies in Mathematics) (417)

Program Requirements (24 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 136</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 137</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 237</td>
<td>Multivariable Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MATH 307</td>
<td>Introduction to Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 310</td>
<td>Introduction to Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 317</td>
<td>Introduction to Algebraic Systems</td>
<td>3</td>
</tr>
<tr>
<td>MATH 323</td>
<td>Geometry I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 498</td>
<td>Senior Seminar</td>
<td>1-3</td>
</tr>
<tr>
<td>STAT 301</td>
<td>Introductory Probability and Applied Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Select at least nine hours from the following: 9

300-level MATH courses 1

400-level MATH courses 1

Total Hours 24

1 Students may not count MATH 398 and STAT 301 in the minor.

Middle Grades Mathematics, Bachelor of Science (730P, 730)

Program Coordinator
Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, (270) 745-7048

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.

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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 136</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 183</td>
<td>Introductory Statistics</td>
<td>3</td>
</tr>
<tr>
<td>or STAT 301</td>
<td>Introductory Probability and Applied Statistics</td>
<td></td>
</tr>
<tr>
<td>MATH 205</td>
<td>Number Systems and Number Theory for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>MATH 206</td>
<td>Fundamentals of Geometry for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>MATH 302</td>
<td>Introduction to Advanced Mathematics for Middle Grades Teachers</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 310</td>
<td>Introduction to Discrete Mathematics</td>
<td></td>
</tr>
<tr>
<td>MATH 304</td>
<td>Functions, Applications and Explorations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 308</td>
<td>Rational Numbers and Data Analysis for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>MATH 403</td>
<td>Geometry for Elementary and Middle School Teachers</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 323</td>
<td>Geometry I</td>
<td></td>
</tr>
<tr>
<td>MATH 411</td>
<td>Problem Solving for Elementary and Middle School Teachers</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 421</td>
<td>Problem Solving for Secondary Teachers</td>
<td></td>
</tr>
<tr>
<td>MATH 413</td>
<td>Algebra and Technology for Middle Grades Teachers</td>
<td>3</td>
</tr>
<tr>
<td>MATH 490</td>
<td>Seminar in Middle Grades Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 498</td>
<td>Senior Seminar</td>
<td></td>
</tr>
</tbody>
</table>

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

http://math.middle_grades_teacher_cert_730.pdf

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

The Department of Physics and Astronomy offers a Bachelor’s of Science in Physics, with degree pathways tailored 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 Tucson, 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 a 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 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. 243)

Minors
- Astronomy, Minor (318) (p. 242)
- Biophysics, Minor (329) (p. 243)

Faculty
Professor
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
Richard F. Gelderman PhD (Astronomy), University of Virginia, 1994
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-Champa,
1997
Ali Er PhD (Physics), Old Dominion University, 2011
Steven J. Gibson PhD (Astronomy, Physics), University of Wisconsin-
Madison, 1997
Sanju Gupta PhD (Physics – Chemistry), University of Puerto Rico Rio
Piedras, 2003
Ivan S. Novikov PhD (Mathematics, Physics), St. Petersburg State U-
Russia, 2000

Professional-In-Residence
Catherine G. Potee MAE (Secondary Education, Physics), Western
Kentucky University, 2002

Instructor I
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 (20 hours)
The minor in astronomy is designed to provide a background in
astronomy, astrophysics, and planetary science for students from a
wide range of backgrounds. Students who intend to undertake graduate
work in astronomy should complete a major in physics with a minor in
mathematics.

A minor in astronomy consists of at least 16 credit hours of required core
courses and at least 4 credit hours from the list of restricted electives.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTR 214</td>
<td>General Astronomy</td>
<td>4</td>
</tr>
<tr>
<td>ASTR 314</td>
<td>Observational Astronomy</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one of the following sequences: ¹

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 255 &amp; PHYS 256</td>
<td>University Physics I and University Physics I Lab</td>
<td>8-10</td>
</tr>
<tr>
<td>&amp; PHYS 265 &amp; PHYS 266</td>
<td>University Physics II and University Physics II Laboratory</td>
<td></td>
</tr>
<tr>
<td>PHYS 201 &amp; PHYS 202</td>
<td>College Physics I and College Physics II</td>
<td></td>
</tr>
<tr>
<td>PHYS 231 &amp; PHYS 232 &amp; PHYS 332 &amp; PHYS 233</td>
<td>Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics II and Introduction to Physics and Biophysics II and Laboratory for Physics and Biophysics II</td>
<td></td>
</tr>
</tbody>
</table>

Select at least four hours of restricted electives of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTR 305</td>
<td>Introduction to Astrobiology</td>
<td></td>
</tr>
<tr>
<td>ASTR 414</td>
<td>Astrophysics</td>
<td></td>
</tr>
<tr>
<td>PHYS 316</td>
<td>Computational Physics</td>
<td></td>
</tr>
<tr>
<td>PHYS 441</td>
<td>Optics</td>
<td></td>
</tr>
<tr>
<td>&amp; PHYS 404</td>
<td>and Optics Laboratory</td>
<td></td>
</tr>
<tr>
<td>PHYS 445</td>
<td>Electromagnetism II</td>
<td></td>
</tr>
<tr>
<td>PHYS 450</td>
<td>Classical Mechanics II</td>
<td></td>
</tr>
<tr>
<td>PHYS 465</td>
<td>Geophysics</td>
<td></td>
</tr>
<tr>
<td>GEO 325</td>
<td>Introduction to Minerals and Crystalline Rocks</td>
<td></td>
</tr>
<tr>
<td>GEO 330</td>
<td>Mineralogy</td>
<td></td>
</tr>
<tr>
<td>GEO 350</td>
<td>Petrology</td>
<td></td>
</tr>
<tr>
<td>GEO 420</td>
<td>Geomorphology</td>
<td></td>
</tr>
<tr>
<td>GEO 465</td>
<td>Geophysics</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours: 20-22

¹ Physics majors must substitute GEOL 111/GEOL 113 for PHYS 255/PHYS 256.

The actual number of elective credit hours required for an astronomy
minor is dependent upon satisfaction of the university requirement that
at least one-half of the credits required for each major or minor be earned
in courses numbered 300 and 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.)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 231 &amp; PHYS 232</td>
<td>Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 332 &amp; PHYS 233</td>
<td>Introduction to Physics and Biophysics II and Laboratory for Physics and Biophysics II</td>
<td>4</td>
</tr>
</tbody>
</table>

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 for graduate work in physics, astronomy, biophysics, environmental science, or professional schools such as medicine or law. The student may also choose to work in industry, public service, or teaching.

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.

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 180 &amp; PHYS 181</td>
<td>Introductory Modern Physics and Introductory Modern Physics Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 255 &amp; PHYS 256</td>
<td>University Physics I and University Physics I Lab</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 265 &amp; PHYS 266</td>
<td>University Physics II and University Physics II Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 301</td>
<td>Electrical Measurements Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 302</td>
<td>Atomic Physics Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 316</td>
<td>Computational Physics</td>
<td>3</td>
</tr>
<tr>
<td>or PHYS 318</td>
<td>Data Acquisition Using Labview</td>
<td></td>
</tr>
<tr>
<td>PHYS 321</td>
<td>Introductory Modern Physics II</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 350</td>
<td>Classical Mechanics I</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 398</td>
<td>Junior Seminar</td>
<td>0.5</td>
</tr>
<tr>
<td>PHYS 440</td>
<td>Electricity and Magnetism I</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 498</td>
<td>Senior Seminar</td>
<td>0.5</td>
</tr>
</tbody>
</table>

Select a minimum of 6 semester hours of upper division departmental courses 6

Total Hours 35

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 136</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 137</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 237</td>
<td>Multivariable Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MATH 307</td>
<td>Introduction to Linear Algebra (or MATH 370 for applied physics track)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 331</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 120 &amp; CHEM 121</td>
<td>College Chemistry I and College Chemistry I Laboratory</td>
<td>5</td>
</tr>
</tbody>
</table>

(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.

Sample Degree Plan for Concentration:

Physics Education: https://www.wku.edu/dedepaths/19-20/documents/cobs/education_physics_754_374.pdf

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
Facebook: 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. 245)

Minors
- Neuroscience, Minor (434) (p. 244)
- Psychological Science, Minor (440) (p. 249)

Faculty
Professor
Reagan D. Brown PhD (Psychology), Virginia Tech, 1997
Elizabeth A. Lemerise PhD (Psychology), New School for Social Research, 1988
Kelly L. Madole PhD (Psychology), University of Texas at Austin, 1992
Sharon A. Mutter PhD (Psychology), George Washington University, 1984
James F. Norman PhD (Psychology), Vanderbilt University, 1990

Associate Professor
Leslie L. Baylis PhD (Experimental Psychology), University of Oxford, 1990
Amy M. Brausch PhD (Psychology), Northern Illinois University, 2008
Diane M. Lickenbrock PhD (Psychology), University of Notre Dame, 2010
Andrew S. Mienaltowski PhD (Psychology), Georgia Institute of Tech, 2008
Matthew C. Shake PhD (Educational Psychology), University of Illinois at Urbana-Champaign, 2009
Aaron L. Wichman PhD (Psychology), The Ohio State University Main Campus, 2005

Assistant Professor
Katrina A. Burch PhD, University of Connecticut, 2018
Jenni B. Teeters PhD, University of Memphis, 2017

Visiting Assistant Professor
Matthew J. Woodward PhD, University of Memphis, 2017

Instructor I
Melanie W. Asriel MA (Psychology, Applied Experimental), Western Kentucky University, 2011
Catherine M. Luna MS, Western Kentucky University, 2018
Kelli R. Truelove MED, Lindsey Wilson College, 2011

Instructor II
Hideko Norman DMSC, University of Medical Science-Japan, 1995

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYS 360</td>
<td>Behavioral Neuroscience</td>
<td>3</td>
</tr>
<tr>
<td>or PSYS 362</td>
<td>Behavioral Neuroscience with Lab</td>
<td></td>
</tr>
<tr>
<td>BIOL 335</td>
<td>Neurobiology</td>
<td>3</td>
</tr>
<tr>
<td>Select 15 credit hours in electives from the following courses:</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>PSYS 331</td>
<td>Principles of Human and Animal Learning</td>
<td></td>
</tr>
</tbody>
</table>
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.

### 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 9 hours from one or two of the six thematic concentrations or they may design a general Concentration. Students choosing the extended option will complete 21-24 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYS 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or PSYS 160</td>
<td>Introduction to Biopsychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 220</td>
<td>Introduction to Lifespan Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or PSYS 321</td>
<td>Child Developmental Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 333</td>
<td>Cognitive Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYS 350</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYS 380</td>
<td>Psychology and Science Fiction</td>
<td>3</td>
</tr>
<tr>
<td>PSYS 481</td>
<td>History of Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 490</td>
<td>Independent Study in Psychological Sciences</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYS 360</td>
<td>Behavioral Neuroscience</td>
<td></td>
</tr>
<tr>
<td>PSYS 362</td>
<td>Behavioral Neuroscience with Lab</td>
<td></td>
</tr>
<tr>
<td>PSYS 363</td>
<td>Sensory and Perceptual Systems</td>
<td></td>
</tr>
<tr>
<td>PSYS 210</td>
<td>Research Methods in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYS 211</td>
<td>Research Methods in Psychology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PSYS 313</td>
<td>Statistics in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYS 380</td>
<td>Psychology and Science Fiction</td>
<td></td>
</tr>
<tr>
<td>PSYS 481</td>
<td>History of Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 490</td>
<td>Independent Study in Psychological Sciences</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYS 360</td>
<td>Behavioral Neuroscience</td>
<td></td>
</tr>
<tr>
<td>or PSYS 362</td>
<td>Behavioral Neuroscience with Lab</td>
<td></td>
</tr>
<tr>
<td>or PSYS 363</td>
<td>Sensory and Perceptual Systems</td>
<td></td>
</tr>
</tbody>
</table>

### Concentration Courses

**Required Course:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYS 413</td>
<td>Psychological Measurement</td>
<td></td>
</tr>
</tbody>
</table>

**Select 9 hours from the following:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYS 353</td>
<td>Psychology of Prejudice and Stereotyping</td>
<td>9</td>
</tr>
<tr>
<td>PSYS 360</td>
<td>Behavioral Neuroscience</td>
<td></td>
</tr>
<tr>
<td>or PSYS 362</td>
<td>Behavioral Neuroscience with Lab</td>
<td></td>
</tr>
<tr>
<td>or PSYS 363</td>
<td>Sensory and Perceptual Systems</td>
<td></td>
</tr>
</tbody>
</table>
### Psychological Science, Bachelor of Science (747)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYS 370</td>
<td>Industrial / Organizational Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 433</td>
<td>Judgment and Decision Making</td>
<td></td>
</tr>
<tr>
<td>PSYS 473</td>
<td>Training in Business and Industry</td>
<td></td>
</tr>
<tr>
<td>PSYS 481</td>
<td>History of Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 490</td>
<td>Independent Study in Psychological Sciences</td>
<td></td>
</tr>
<tr>
<td>PSYS 499</td>
<td>Senior Seminar in Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 340</td>
<td>Sport Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 355</td>
<td>Issues in Cross-Cultural Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 412</td>
<td>Psychology of Motivation and Emotion</td>
<td></td>
</tr>
<tr>
<td>PSY 470</td>
<td>Psychology and Law</td>
<td></td>
</tr>
<tr>
<td>PSYS 413</td>
<td>Psychological Measurement</td>
<td>3</td>
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</tbody>
</table>

**Laboratory Experience**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYS 322</td>
<td>Laboratory in Developmental Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 334</td>
<td>Laboratory in Cognition</td>
<td></td>
</tr>
<tr>
<td>PSYS 362</td>
<td>Behavioral Neuroscience with Lab</td>
<td></td>
</tr>
<tr>
<td>PSYS 413</td>
<td>Psychological Measurement</td>
<td></td>
</tr>
</tbody>
</table>

**Total Hours** 37

### Biobehavioral Psychology Concentration

This concentration provides knowledge of the biological bases of behavior and thought.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>PSYS 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or PSYS 160</td>
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<td></td>
</tr>
<tr>
<td>PSYS 220</td>
<td>Introduction to Lifespan Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or PSYS 321</td>
<td>Child Developmental Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 331</td>
<td>Principles of Human and Animal Learning</td>
<td>3</td>
</tr>
<tr>
<td>PSYS 350</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or PSYS 440</td>
<td>Abnormal Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 360</td>
<td>Behavioral Neuroscience</td>
<td>3</td>
</tr>
<tr>
<td>or PSYS 362</td>
<td>Behavioral Neuroscience with Lab</td>
<td></td>
</tr>
<tr>
<td>PSYS 210</td>
<td>Research Methods in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYS 211</td>
<td>Research Methods in Psychology Laboratory</td>
<td></td>
</tr>
<tr>
<td>PSYS 313</td>
<td>Statistics in Psychology</td>
<td>3</td>
</tr>
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</table>

Select one of the following: 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>PSYS 380</td>
<td>Psychology and Science Fiction</td>
<td></td>
</tr>
<tr>
<td>PSYS 481</td>
<td>History of Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 490</td>
<td>Independent Study in Psychological Sciences</td>
<td></td>
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</tbody>
</table>

**Concentration Courses**

Select 9 hours from the following: 9

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PSYS 333</td>
<td>Cognitive Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 431</td>
<td>Psychology of Language</td>
<td></td>
</tr>
<tr>
<td>PSYS 462</td>
<td>Neuroscience of Learning and Memory</td>
<td></td>
</tr>
<tr>
<td>PSYS 463</td>
<td>Evolutionary Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 465</td>
<td>Psychopharmacology</td>
<td></td>
</tr>
<tr>
<td>PSYS 482</td>
<td>Psychology of Sexuality</td>
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</table>

**Laboratory Experience**

Select one course from the following: 1-4

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>PSYS 322</td>
<td>Laboratory in Developmental Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 334</td>
<td>Laboratory in Cognition</td>
<td></td>
</tr>
<tr>
<td>PSYS 362</td>
<td>Behavioral Neuroscience with Lab</td>
<td></td>
</tr>
<tr>
<td>PSYS 413</td>
<td>Psychological Measurement</td>
<td></td>
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</tbody>
</table>

**Total Hours** 38-41

### Clinical Psychological Science Concentration

This concentration focuses on mechanisms and etiologies of psychological health and dysfunction.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYS 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or PSYS 160</td>
<td>Introduction to Biopsychology</td>
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<tr>
<td>PSYS 220</td>
<td>Introduction to Lifespan Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or PSYS 321</td>
<td>Child Developmental Psychology</td>
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<tr>
<td>PSYS 331</td>
<td>Principles of Human and Animal Learning</td>
<td>3</td>
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<tr>
<td>or PSYS 333</td>
<td>Cognitive Psychology</td>
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<tr>
<td>PSYS 440</td>
<td>Abnormal Psychology</td>
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<tr>
<td>PSYS 313</td>
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Select one of the following: 3

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<tr>
<td>PSYS 362</td>
<td>Behavioral Neuroscience with Lab</td>
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</tr>
<tr>
<td>PSYS 363</td>
<td>Sensory and Perceptual Systems</td>
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Select one of the following: 3

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<tr>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PSYS 380</td>
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<td></td>
</tr>
<tr>
<td>PSYS 481</td>
<td>History of Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 490</td>
<td>Independent Study in Psychological Sciences</td>
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**Concentration Courses**

Select 12 hours from the following: 12

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<td>PSYS 353</td>
<td>Psychology of Prejudice and Stereotyping</td>
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<td>PSYS 360</td>
<td>Behavioral Neuroscience</td>
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<tr>
<td>or PSYS 362</td>
<td>Behavioral Neuroscience with Lab</td>
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<tr>
<td>PSYS 413</td>
<td>Psychological Measurement</td>
<td></td>
</tr>
<tr>
<td>PSYS 423</td>
<td>Psychology of Adult Life and Aging</td>
<td></td>
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<tr>
<td>PSYS 450</td>
<td>Psychology of Personality</td>
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<tr>
<td>PSYS 451</td>
<td>Psychology of Religion</td>
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<tr>
<td>PSYS 453</td>
<td>Psychology of Women</td>
<td></td>
</tr>
<tr>
<td>PSYS 462</td>
<td>Neuroscience of Learning and Memory</td>
<td></td>
</tr>
</tbody>
</table>
### Cognitive Psychology Concentration

This concentration emphasizes the scientific study of mental processes such as attention, perception, memory, problem-solving, thinking, and language use.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
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<tr>
<td>or PSYS 160</td>
<td>Introduction to Biopsychology</td>
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</tr>
<tr>
<td>PSYS 220</td>
<td>Introduction to Lifespan Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or PSYS 321</td>
<td>Child Developmental Psychology</td>
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<tr>
<td>PSYS 333</td>
<td>Cognitive Psychology</td>
<td>3</td>
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<td>PSYS 350</td>
<td>Social Psychology</td>
<td>3</td>
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<tr>
<td>or PSYS 440</td>
<td>Abnormal Psychology</td>
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<td>PSYS 362</td>
<td>Behavioral Neuroscience with Lab</td>
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<tr>
<td>PSYS 363</td>
<td>Sensory and Perceptual Systems</td>
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<td>PSYS 210</td>
<td>Research Methods in Psychology</td>
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<td>PSYS 211</td>
<td>Research Methods in Psychology Laboratory</td>
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<td>PSYS 313</td>
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<td>Select one of the following:</td>
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<td>PSYS 380</td>
<td>Psychology and Science Fiction</td>
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</tr>
<tr>
<td>PSYS 481</td>
<td>History of Psychology</td>
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</tr>
<tr>
<td>PSYS 490</td>
<td>Independent Study in Psychological Sciences</td>
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<tr>
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<td>Select 12 hours from the following:</td>
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<td>PSYS 331</td>
<td>Principles of Human and Animal Learning</td>
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<tr>
<td>PSYS 363</td>
<td>Sensory and Perceptual Systems</td>
<td></td>
</tr>
<tr>
<td>PSYS 423</td>
<td>Psychology of Adult Life and Aging</td>
<td></td>
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<tr>
<td>PSYS 431</td>
<td>Psychology of Language</td>
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<td>PSYS 433</td>
<td>Judgment and Decision Making</td>
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### Laboratory Experience

Select one of the following courses: 1-4

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<tr>
<th>Code</th>
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<tbody>
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<td>PSYS 322</td>
<td>Laboratory in Developmental Psychology</td>
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<tr>
<td>PSYS 334</td>
<td>Laboratory in Cognition</td>
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<td>PSYS 362</td>
<td>Behavioral Neuroscience with Lab</td>
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</tr>
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<td>PSYS 413</td>
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</tr>
<tr>
<td>Total Hours</td>
<td>38-41</td>
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</tbody>
</table>

### Developmental Science Concentration

This addresses the physical, emotional, intellectual, social, perceptual, and personality growth of humans throughout the lifespan.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Core Courses</td>
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<tr>
<td>PSYS 100</td>
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<td>3</td>
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<tr>
<td>or PSYS 160</td>
<td>Introduction to Biopsychology</td>
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</tr>
<tr>
<td>PSYS 220</td>
<td>Introduction to Lifespan Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or PSYS 321</td>
<td>Child Developmental Psychology</td>
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</tr>
<tr>
<td>PSYS 331</td>
<td>Principles of Human and Animal Learning</td>
<td>3</td>
</tr>
<tr>
<td>or PSYS 333</td>
<td>Cognitive Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 350</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or PSYS 440</td>
<td>Abnormal Psychology</td>
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<td>Select one of the following:</td>
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<tr>
<td>PSYS 360</td>
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<tr>
<td>PSYS 362</td>
<td>Behavioral Neuroscience with Lab</td>
<td></td>
</tr>
<tr>
<td>PSYS 363</td>
<td>Sensory and Perceptual Systems</td>
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</tr>
<tr>
<td>PSYS 210</td>
<td>Research Methods in Psychology</td>
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</tr>
<tr>
<td>PSYS 211</td>
<td>Research Methods in Psychology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PSYS 313</td>
<td>Statistics in Psychology</td>
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<tr>
<td>Select one of the following:</td>
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</tr>
<tr>
<td>PSYS 380</td>
<td>Psychology and Science Fiction</td>
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</tr>
<tr>
<td>PSYS 481</td>
<td>History of Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 490</td>
<td>Independent Study in Psychological Sciences</td>
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<tr>
<td>PSYS 220</td>
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<tr>
<td>PSYS 321</td>
<td>Child Developmental Psychology</td>
<td></td>
</tr>
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<td>PSYS 423</td>
<td>Psychology of Adult Life and Aging</td>
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<tr>
<td>PSYS 424</td>
<td>Topics in Developmental Psychology</td>
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<td>Psychology of Language</td>
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<tr>
<td>PSYS 463</td>
<td>Evolutionary Psychology</td>
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</table>
Social Psychology Concentration
This concentration emphasizes the study of how social situations affect behavior.

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PSYS 100</td>
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<td>3</td>
</tr>
<tr>
<td>or PSYS 160</td>
<td>Introduction to Biopsychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 220</td>
<td>Introduction to Lifespan Developmental Psychology</td>
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</tr>
<tr>
<td>or PSYS 321</td>
<td>Child Developmental Psychology</td>
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</tr>
<tr>
<td>PSYS 331</td>
<td>Principles of Human and Animal Learning</td>
<td>3</td>
</tr>
<tr>
<td>or PSYS 333</td>
<td>Cognitive Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 350</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

- PSYS 360 | Behavioral Neuroscience |
- PSYS 362 | Behavioral Neuroscience with Lab |
- PSYS 363 | Sensory and Perceptual Systems |
- PSYS 210 | Research Methods in Psychology |
- PSYS 211 | Research Methods in Psychology Laboratory |
- PSYS 313 | Statistics in Psychology |

Select one of the following:

- 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:

- 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 462 | Psychology of Sexuality |

General Concentration
This concentration allows students, with help from their advisor, to design an individualized theme.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PSYS 100</td>
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<tr>
<td>or PSYS 160</td>
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<td>or PSYS 333</td>
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</tr>
<tr>
<td>PSYS 350</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or PSYS 440</td>
<td>Abnormal Psychology</td>
<td></td>
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</table>

Select one of the following:

- PSYS 360 | Behavioral Neuroscience |
- PSYS 362 | Behavioral Neuroscience with Lab |
- PSYS 363 | Sensory and Perceptual Systems |
- PSYS 210 | Research Methods in Psychology |
- PSYS 211 | Research Methods in Psychology Laboratory |
- PSYS 313 | Statistics in Psychology |

Select one of the following:

- 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 |

Laboratory Experience
Select one of the following courses:

- PSYS 322 | Laboratory in Developmental Psychology |
- PSYS 334 | Laboratory in Cognition |
- PSYS 362 | Behavioral Neuroscience with Lab |
- PSYS 413 | Psychological Measurement |

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.

<table>
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<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
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<td>Introduction to Psychology</td>
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<td>or PSYS 160</td>
<td>Introduction to Biopsychology</td>
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<td>or PSYS 440</td>
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<td>Select one of the following:</td>
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<td>Select one of the following:</td>
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<tr>
<td>PSYS 380</td>
<td>Psychology and Science Fiction</td>
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<tr>
<td>PSYS 490</td>
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**Concentration Courses**

Select one of the following: 3-4

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<td>CS 170</td>
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<td>CS 180</td>
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<td>STAT 301</td>
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<td>STAT 330</td>
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<td>STAT 401</td>
<td>Regression Analysis</td>
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<tr>
<td>or STAT 402</td>
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<tr>
<td>Select 9 PSYS upper-level elective hours selected in consultation with an advisor</td>
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**Laboratory Experience**

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<tbody>
<tr>
<td>PSYS 413</td>
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</table>

**Total Hours** 49-50

**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.).

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<td>PSYS 210</td>
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<td>&amp; PSYS 211</td>
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<tr>
<td>PSYS 350</td>
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<td>Select one of the following:</td>
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<td>PSYS 331</td>
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<td>PSYS 333</td>
<td>Cognitive Psychology</td>
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<td>PSYS 360</td>
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</tr>
<tr>
<td>PSYS 362</td>
<td>Behavioral Neuroscience with Lab</td>
<td></td>
</tr>
<tr>
<td>PSYS 363</td>
<td>Sensory and Perceptual Systems</td>
<td></td>
</tr>
</tbody>
</table>

**Individual Differences and Social Processes (Category A)**

Select one of the following: 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYS 331</td>
<td>Principles of Human and Animal Learning</td>
<td></td>
</tr>
<tr>
<td>PSYS 333</td>
<td>Cognitive Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 360</td>
<td>Behavioral Neuroscience</td>
<td></td>
</tr>
<tr>
<td>PSYS 362</td>
<td>Behavioral Neuroscience with Lab</td>
<td></td>
</tr>
<tr>
<td>PSYS 363</td>
<td>Sensory and Perceptual Systems</td>
<td></td>
</tr>
</tbody>
</table>

**Learning, Cognition, and Biopsychology (Category B)**

Select one of the following: 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYS 331</td>
<td>Principles of Human and Animal Learning</td>
<td></td>
</tr>
<tr>
<td>PSYS 333</td>
<td>Cognitive Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 360</td>
<td>Behavioral Neuroscience</td>
<td></td>
</tr>
<tr>
<td>PSYS 362</td>
<td>Behavioral Neuroscience with Lab</td>
<td></td>
</tr>
<tr>
<td>PSYS 363</td>
<td>Sensory and Perceptual Systems</td>
<td></td>
</tr>
</tbody>
</table>

**Developmental Processes (Category C)**

Select one of the following: 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYS 331</td>
<td>Principles of Human and Animal Learning</td>
<td></td>
</tr>
<tr>
<td>PSYS 333</td>
<td>Cognitive Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYS 360</td>
<td>Behavioral Neuroscience</td>
<td></td>
</tr>
<tr>
<td>PSYS 362</td>
<td>Behavioral Neuroscience with Lab</td>
<td></td>
</tr>
<tr>
<td>PSYS 363</td>
<td>Sensory and Perceptual Systems</td>
<td></td>
</tr>
</tbody>
</table>

**Clinical Psychological Science**: [https://wku.edu/degreepaths/19-20/ocse/psychological_sciences_clinical_747.pdf](https://wku.edu/degreepaths/19-20/ocse/psychological_sciences_clinical_747.pdf)


PSYS 220  Introduction to Lifespan Developmental Psychology
PSYS 321  Child Developmental Psychology
PSYS 423  Psychology of Adult Life and Aging

**Additional Upper-level Courses**
Select six additional upper-level credit hours of PSYS courses 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.

---

**Interdisciplinary Programs**

**Certificate**
- Brewing and Distilling Arts & Sciences, Certificate (1733) (p. 139)
- Emergency Management Disaster Science, Certificate (1748) (p. 250)

**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)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMDS 400</td>
<td>Emergency Management Policy and Practices</td>
<td>3</td>
</tr>
<tr>
<td>EMDS 401</td>
<td>Natural and Technological Disaster Risks</td>
<td>3</td>
</tr>
<tr>
<td>EMDS 402</td>
<td>Resiliency in Response to Terrorism and Violence</td>
<td>3</td>
</tr>
<tr>
<td>EMDS 403</td>
<td>Advanced Disaster Planning, Management, and Preparedness</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following choices:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMDS 404</td>
<td>Trends in Disaster Preparedness and Management</td>
<td>3</td>
</tr>
</tbody>
</table>

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, etc., 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://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, 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)
- Manufacturing Engineering Technology (reference number 5006)
- Mechanical Engineering (reference number 543)
- Technology Management (reference number 575)

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. 251)
- Civil Engineering, Bachelor of Science (534P, 534) (p. 252)
- Computer Information Technology, Bachelor of Science (555P, 555) (p. 254)
- Computer Science, Bachelor of Science (629P, 629) (p. 255)
• Construction Management, Bachelor of Science (533) (p. 257)
• Electrical Engineering, Bachelor of Science (537P, 537) (p. 258)
• Engineering Technology Management, Bachelor of Science (5007) (p. 259)
• Manufacturing Engineering Technology, Bachelor of Science (5006) (p. 261)
• Mechanical Engineering, Bachelor of Science (543P, 543) (p. 262)

Minors
• Computer Science, Minor (341) (p. 257)
• Floodplain Management, Minor (361) (p. 260)
• Systems Engineering, Minor (476) (p. 264)

Certificates
• Land Surveying, Certificate (1700) (p. 261)

Faculty

Professor
Gregory K. Arbuckle PhD (Technology Management (Quality Systems)), Indiana State University, 2004
Kenneth B. Askins EdD (Vocational Education), University of Kentucky, 1992
Mustafa Atici PhD (Computer Science), University of Nebraska, 1996
Christopher E. Byrne PhD (Material Sciences and Engineering), Johns Hopkins University, 1996
Mark E. Cambron PhD (Electrical Engineering), Vanderbilt University, 2001
Warren Campbell PhD (Civil Engineering), Colorado State University, 1984
Robert E. Choate MME (Mechanical Engineering), North Carolina State University, 1991
Anthony M. Doggett PhD (Education and Human Resource Studies), Colorado State University, 2003
Julie Ellis PhD (Electrical Engineering), Duke University, 1993
Henry J. Lenoir MS (Mechanical Engineering), University of Tennessee, Knoxville, 1988
Qi Li PhD (Computer Science), University of Delaware, 2006
Kevin S. Schmalzt 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
Uta Ziegler PhD (Computer Science), Florida State University, 1991

Associate Professor
Shahnaz Aly MARCH (Architecture), Texas A & M University, 1999
Farhad Ashrafzadeh PhD (Electrical and Computer Engineering), The University of Calgary, 1997
Walter L. Collett PhD (Engineering, Electrical Engineering), Tennessee Technological University, 1999
James E. Gary PhD (Computer Science), University of Kentucky, 1995
Hanna A. Khouryieh PhD (Food Science), Kansas State University, 2006
Morteza Nurcheshmeh PhD (Mechanical Engineering), University of Windsor, 2011
Shane M. Palmquist PhD (Civil and Environmental Engineering), Tufts University, 2003
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
Taha H. Alyousef PhD (Civil Engineering), University of Akron, Main Campus, 2017
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 Mesih 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
Fatemeh Orouji PhD (Engineering Science, Construction Management), Louisiana State University & A&M College, 2015
Asghar Rezasoltani PhD (Mechanical Engineering), Louisiana State University & A&M College, 2016

Instructor I
Ismail Abumuhfouz MBA (Business Administration), Sullivan University, 2009
Manohar Chidurala PhD (Engineer & Applied Science), University of New Orleans, 2015
Brian M. Janes MS (Management of Technology), Murray State University, 2003
Edmund R. Martelli MS (Technology Management), Western Kentucky University, 2010
Jason C. Wilson MS (Engineering), University of Wisconsin-Platteville, 2016

Instructor II
Gordon P. Smith PhD (Physics), University of Mississippi, 2000

Architectural Science, Bachelor of Science (518)

Program Coordinator
Shahnaz Aly, shahnaz.aly@wku.edu, (270) 745-5849

Program Description
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.

Certificate
Architectural Science, Bachelor of Science (518)

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 (87 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.

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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMS 140</td>
<td>Introduction to Occupational Safety</td>
<td>1</td>
</tr>
<tr>
<td>AMS 151</td>
<td>Architectural Graphics</td>
<td>3</td>
</tr>
<tr>
<td>AMS 163</td>
<td>Architectural Drafting</td>
<td>3</td>
</tr>
<tr>
<td>AMS 251</td>
<td>3D Modeling and Imaging</td>
<td>3</td>
</tr>
<tr>
<td>AMS 261</td>
<td>Construction Methods and Materials</td>
<td>3</td>
</tr>
<tr>
<td>AMS 262</td>
<td>Construction Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>AMS 263</td>
<td>Architecture Documentation I</td>
<td>3</td>
</tr>
<tr>
<td>AMS 273</td>
<td>Architectural Detailing</td>
<td>3</td>
</tr>
<tr>
<td>AMS 282</td>
<td>Building Structures</td>
<td>3</td>
</tr>
<tr>
<td>AMS 305</td>
<td>Building Codes</td>
<td>3</td>
</tr>
<tr>
<td>AMS 325</td>
<td>Survey of Building Systems</td>
<td>3</td>
</tr>
<tr>
<td>AMS 351</td>
<td>Building Information Modeling</td>
<td>3</td>
</tr>
<tr>
<td>AMS 363</td>
<td>Architecture Documentation II</td>
<td>3</td>
</tr>
<tr>
<td>AMS 369</td>
<td>Architectural Design Studio I</td>
<td>4</td>
</tr>
<tr>
<td>AMS 371</td>
<td>Quality Assurance</td>
<td>3</td>
</tr>
<tr>
<td>AMS 390</td>
<td>Project Management</td>
<td>3</td>
</tr>
<tr>
<td>AMS 398</td>
<td>Internship I</td>
<td>1</td>
</tr>
<tr>
<td>AMS 430</td>
<td>Technology Management / Supervision / Team Building</td>
<td>3</td>
</tr>
<tr>
<td>AMS 469</td>
<td>Architectural Design Studio II</td>
<td>4</td>
</tr>
<tr>
<td>AMS 488</td>
<td>Comprehensive Design</td>
<td>3</td>
</tr>
<tr>
<td>AMS 490A</td>
<td>Senior Research for Architectural Sciences</td>
<td>3</td>
</tr>
<tr>
<td>CE 303</td>
<td>Construction Management</td>
<td>3</td>
</tr>
<tr>
<td>CE 304</td>
<td>Construction Management Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENG 306</td>
<td>Business Writing</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 307</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 9 hours of advisor-approved architectural science electives
Select 3 hours of advisor-approved management electives

Additional Requirements:

AMS 180 Introduction to Architecture 3
MATH 117 Trigonometry 3
Select one of the following Economics courses: 3
ECON 150/ECO 150C Introduction to Economics
ECON 202/ECO 202C Principles of Economics (Micro)
ECON 203/ECO 203C Principles of Economics (Macro)
ECON 375 Moral Issues of Capitalism
ECON 390 Economics, Law, and Public Choice

Total Hours 87

A minor or second major is not required.

Finish in Four Plan

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; storm water 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 68 technical specialty hours, completion of pre-major courses, additional 10-11 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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 100</td>
<td>Introduction to College Writing</td>
<td>3</td>
</tr>
<tr>
<td>COMM 145</td>
<td>Fundamentals of Public Speaking and Communication</td>
<td>3</td>
</tr>
<tr>
<td>MATH 136</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>&amp; MATH 137</td>
<td>and Calculus II</td>
<td></td>
</tr>
<tr>
<td>PHYS 255</td>
<td>University Physics I</td>
<td>5</td>
</tr>
<tr>
<td>&amp; PHYS 256</td>
<td>and University Physics I Lab</td>
<td></td>
</tr>
<tr>
<td>EM 222</td>
<td>WKU Statics</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 111</td>
<td>The Earth</td>
<td>3</td>
</tr>
</tbody>
</table>

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 (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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/colonnade/colonnaderequirements.php.

**Students must take the following 68 technical specialty credit hours required for the major:**

Select one of the following: 1

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 176</td>
<td>Civil Engineering Freshman Design</td>
<td>1</td>
</tr>
</tbody>
</table>
CE 482 WKU-Elementary Structural Design
CE 486 Steel & Concrete Construction
CE 490 UK-CE Selected Topics (Fall)
CE 491 UK-CE Selected Topics (Spring)
EE 350 Fundamentals of Electrical Engineering
EM 313 Dynamics
CM 363 Construction Estimating and Bidding
CM 400 Construction Administration
CM 426 Construction Law
AMS 305 Building Codes
AMS 325 Survey of Building Systems
ENGR 400 Principles of Systems Engineering
GEOL 408 Structural Geology
GEOL 310 Global Hydrology
GEOL 415 Environmental Geology
GISC 316 Fundamentals of GIS
GISC 317 Geographic Information Systems
MATH 350 Advanced Engineering Mathematics
ME 220 Engineering Thermodynamics I

Total Hours 68

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 237</td>
<td>Multivariable Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MATH 331</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 113</td>
<td>The Earth Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 120</td>
<td>College Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 121</td>
<td>and College Chemistry I Laboratory</td>
<td></td>
</tr>
</tbody>
</table>

Select a science or math elective from the following list of courses:

| PHYS 265   | University Physics II                |       |
| & PHYS 266 | and University Physics II Laboratory|       |
| MATH 307   | Introduction to Linear Algebra       |       |
| MATH 370   | Applied Techniques in Mathematics    |       |
| STAT 301   | Introductory Probability and Applied Statistics | |
| CHEM 222   | College Chemistry II                 |       |
| & CHEM 223 | and College Chemistry II Laboratory |       |
| GEOG 280   | Environmental Science and Sustainability |     |
| GEOL 311   | General Oceanography                 |       |
| GEOL 420   | Geomorphology                        |       |

GEOL 445 Aqueous Geochemistry
GEOL 465 Geophysics

Finish in Four Plan
http://wku.edu/degreepaths/19-20/documents/ocse/civil_eng_534.pdf

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.

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:

Western Kentucky University – 2019-20 Undergraduate Catalog
### Computer Science, Bachelor of Science (629P, 629)

**Program Coordinator**  
Huanjing Wang, huanjing.wang@wku.edu, (270) 745-2672

**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/](https://www.wku.edu/seas/).

**Admission Requirements**  
The major in computer science requires a minimum of 44 semester hours. To be admitted to the computer science major, students must complete CS 180, CS 221, and CS 339 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 (44-50 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](http://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**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 180</td>
<td>Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>CS 221</td>
<td>Computer Science II</td>
<td>4</td>
</tr>
<tr>
<td>CS 325</td>
<td>Computer Organization and Architecture</td>
<td>3</td>
</tr>
</tbody>
</table>

**Foundation Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIT 300</td>
<td>Computer Information Technology Foundations</td>
<td>3</td>
</tr>
<tr>
<td>CIT 302</td>
<td>Web Development</td>
<td>3</td>
</tr>
<tr>
<td>CIT 310</td>
<td>Systems Architecture I</td>
<td>3</td>
</tr>
<tr>
<td>CIT 312</td>
<td>Systems Architecture II</td>
<td>3</td>
</tr>
<tr>
<td>CIT 330</td>
<td>Systems Development I</td>
<td>3</td>
</tr>
<tr>
<td>CIT 332</td>
<td>Systems Development II</td>
<td>3</td>
</tr>
<tr>
<td>CIT 350</td>
<td>Database Administration I</td>
<td>3</td>
</tr>
<tr>
<td>CIT 352</td>
<td>Database Administration II</td>
<td>3</td>
</tr>
<tr>
<td>CIT 370</td>
<td>Telecommunications I</td>
<td>3</td>
</tr>
<tr>
<td>CIT 372</td>
<td>Telecommunications II</td>
<td>3</td>
</tr>
</tbody>
</table>

Select nine courses from 400-level CIT courses and/or from the following:

- AMS 342 Manufacturing Operations
- AMS 367 Supervised Work Experience in Industry
- AMS 390 Project Management
- AMS 394 Lean Systems
- AMS 396 Introduction to Supply Chain Management
- AMS 430 Technology Management / Supervision / Team Building
- AMS 475 Selected Topics in Industry

**Total Hours**  
36

**For non-transfer students**, 60 hours of CIT coursework is required. These include:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIT 300</td>
<td>Computer Information Technology Foundations</td>
<td>3</td>
</tr>
<tr>
<td>CIT 302</td>
<td>Web Development</td>
<td>3</td>
</tr>
<tr>
<td>CIT 352</td>
<td>Database Administration II</td>
<td>3</td>
</tr>
<tr>
<td>CIT 372</td>
<td>Telecommunications II</td>
<td>3</td>
</tr>
</tbody>
</table>

Select seven courses from 400-level CIT courses and/or from the following:

- AMS 342 Manufacturing Operations
- AMS 367 Supervised Work Experience in Industry
- AMS 390 Project Management
- AMS 394 Lean Systems
- AMS 396 Introduction to Supply Chain Management
- AMS 430 Technology Management / Supervision / Team Building
- AMS 475 Selected Topics in Industry

**Capstone Course:**

AMS 490 Senior Research (to be taken in last semester)  
3

**Total Hours**  
60

**Finish in Four Plan**

http://wku.edu/degreepaths/19-20/documents/ocse/computer_information_tech_555.pdf

**Systems/Scientific Applications Concentration**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 180</td>
<td>Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>CS 221</td>
<td>Computer Science II</td>
<td>4</td>
</tr>
<tr>
<td>CS 325</td>
<td>Computer Organization and Architecture</td>
<td>3</td>
</tr>
</tbody>
</table>
**Computer Science, Bachelor of Science (629P, 629)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 339</td>
<td>Computer Science III</td>
<td>3</td>
</tr>
<tr>
<td>CS 351</td>
<td>Database Management Systems I</td>
<td>3</td>
</tr>
<tr>
<td>CS 360</td>
<td>Software Engineering I</td>
<td>3</td>
</tr>
<tr>
<td>CS 382</td>
<td>Programming Languages</td>
<td>3</td>
</tr>
<tr>
<td>CS 396</td>
<td>Intermediate Software Project</td>
<td>3</td>
</tr>
<tr>
<td>CS 421</td>
<td>Data Structures and Algorithm Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CS 425</td>
<td>Operating Systems I</td>
<td>3</td>
</tr>
<tr>
<td>CS 496</td>
<td>CS Senior Project and Professional Practice</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives**

Select 12 hours from the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 372</td>
<td>Mobile App Development</td>
<td></td>
</tr>
<tr>
<td>CS 381</td>
<td>Introduction to Computer Networks</td>
<td></td>
</tr>
<tr>
<td>CS 443</td>
<td>Database Management Systems II</td>
<td></td>
</tr>
<tr>
<td>CS 445</td>
<td>Operating Systems II</td>
<td></td>
</tr>
<tr>
<td>CS 446</td>
<td>Interactive Computer Graphics</td>
<td></td>
</tr>
<tr>
<td>CS 450</td>
<td>Computer Networks</td>
<td></td>
</tr>
<tr>
<td>CS 456</td>
<td>Artificial Intelligence</td>
<td></td>
</tr>
</tbody>
</table>

**Total Hours**

47

**Additional Requirements for the Systems/Scientific Applications Concentration**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 307</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>MATH 136</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>STAT 301</td>
<td>Introductory Probability and Applied Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Math Electives**

6-7

Choose two for the following list:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 137</td>
<td>Calculus II</td>
<td></td>
</tr>
<tr>
<td>MATH 305</td>
<td>Introduction to Mathematical Modeling</td>
<td></td>
</tr>
<tr>
<td>MATH 307</td>
<td>Introduction to Linear Algebra</td>
<td></td>
</tr>
<tr>
<td>MATH 331</td>
<td>Differential Equations</td>
<td></td>
</tr>
<tr>
<td>MATH 405</td>
<td>Numerical Analysis I</td>
<td></td>
</tr>
<tr>
<td>MATH 406</td>
<td>Numerical Analysis II</td>
<td></td>
</tr>
<tr>
<td>MATH 470</td>
<td>Introduction to Operations Research</td>
<td></td>
</tr>
<tr>
<td>MATH 473</td>
<td>Introduction to Graph Theory</td>
<td></td>
</tr>
</tbody>
</table>

Completion of one year of a laboratory science (a two semester sequence of the same science) and one additional science course (all must be designed for Science/Engineering majors).

One additional course from the above list of MATH courses (this course may not be used to satisfy any other CS major degree requirement) or one additional science course designed for Science/Engineering majors.

9-12

**Any Minor Option**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 180</td>
<td>Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>CS 221</td>
<td>Computer Science II</td>
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</tr>
</tbody>
</table>

**Specialty Concentration**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 180</td>
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</tr>
<tr>
<td>CS 443</td>
<td>Database Management Systems II</td>
<td>3</td>
</tr>
<tr>
<td>CS 446</td>
<td>CS Senior Project and Professional Practice</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives**

Select 9 hours of CS electives 3 hours at the 200-level or above (excluding CS 257) including 3 hours at the 400-level and another 3 hours at the 300-level or higher.

**Total Hours**

44

**Additional Requirements for the Any Minor Option:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 136</td>
<td>Calculus I</td>
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</tr>
<tr>
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<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>STAT 301</td>
<td>Introductory Probability and Applied Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Completion of any additional major/minor.

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.

**Specialty Concentration**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
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<td>Computer Science III</td>
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<td>CS Senior Project and Professional Practice</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives**

Select 9 hours of CS electives 3 hours at the 200-level or above (excluding CS 257) including 3 hours at the 400-level and another 3 hours at the 300-level or higher.

**Total Hours**

50

Western Kentucky University – 2019-20 Undergraduate Catalog
Additional Requirements for the Specialty Concentration:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 136</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>ENG 307</td>
<td>Technical Writing</td>
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</tr>
<tr>
<td>STAT 301</td>
<td>Introductory Probability and Applied Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

An additional 18 hours of specialty courses, selected in consultation with a CS advisor, not to used to satisfy specific other graduation requirements for the CS major or for the Colonnade Program, including 9 hours of which are at the 300 level or above.

Total Hours 28

1 At most 1.5 hours of credit for CS 239 may count toward 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 toward the major.

Finish in Four Plan


Computer Science, Minor (341)

Program Requirements (20 hours)

The following 20 credit-hour program leads to a minor in computer science.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Courses for the Minor: 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS 180</td>
<td>Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>CS 221</td>
<td>Computer Science II</td>
<td>4</td>
</tr>
<tr>
<td>CS 339</td>
<td>Computer Science III</td>
<td>3</td>
</tr>
<tr>
<td>or CS 351</td>
<td>Database Management Systems I</td>
<td>3</td>
</tr>
<tr>
<td>Select 9 additional hours of CS courses at the 300-level or higher</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>
| Total Hours 20

1 All CS courses counting toward the CS program minor must be completed with a grade of “C” or better.

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 (69-70 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](http://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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMS 163</td>
<td>Architectural Drafting</td>
<td>3</td>
</tr>
<tr>
<td>AMS 217</td>
<td>Industrial Materials</td>
<td>3</td>
</tr>
<tr>
<td>AMS 261</td>
<td>Construction Methods and Materials</td>
<td>3</td>
</tr>
<tr>
<td>AMS 262</td>
<td>Construction Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>AMS 271</td>
<td>Industrial Statistics</td>
<td>3</td>
</tr>
<tr>
<td>AMS 282</td>
<td>Building Structures</td>
<td>3</td>
</tr>
<tr>
<td>AMS 305</td>
<td>Building Codes</td>
<td>3</td>
</tr>
<tr>
<td>AMS 310</td>
<td>Ergonomics and Safety</td>
<td>3</td>
</tr>
<tr>
<td>AMS 325</td>
<td>Survey of Building Systems</td>
<td>3</td>
</tr>
<tr>
<td>AMS 371</td>
<td>Quality Assurance</td>
<td>3</td>
</tr>
<tr>
<td>AMS 390</td>
<td>Project Management</td>
<td>3</td>
</tr>
<tr>
<td>AMS 394</td>
<td>Lean Systems</td>
<td>3</td>
</tr>
<tr>
<td>AMS 398</td>
<td>Internship I</td>
<td>1</td>
</tr>
<tr>
<td>or UC 400</td>
<td>Faculty-Mentored Undergraduate Student Research Experience</td>
<td>1</td>
</tr>
<tr>
<td>AMS 430</td>
<td>Technology Management / Supervision / Team Building</td>
<td>3</td>
</tr>
<tr>
<td>AMS 490B</td>
<td>Senior Research for Construction Management</td>
<td>3</td>
</tr>
<tr>
<td>CM 250</td>
<td>Contract Documents</td>
<td>3</td>
</tr>
<tr>
<td>CM 363</td>
<td>Construction Estimating and Bidding</td>
<td>3</td>
</tr>
<tr>
<td>CM 462</td>
<td>Construction Scheduling</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following: 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CE 160 &amp; CE 161</td>
<td>Principles of Surveying and Principles of Surveying Lab</td>
<td>4</td>
</tr>
</tbody>
</table>
AGMC 170 & AGMC 171 Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory

CE 303 Construction Management 3
CE 304 Construction Management Lab 1
CE 316 Equipment & Methods 3

Select one of the following introductory accounting-financial courses:
ACCT 200 Introductory Accounting—Financial
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:
MGT 301 Business Law
MGT 333 Management of Nonprofit Organizations

Select one of the following Intro to Economics/Principals of Economics:
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 70

Additional Course
Code Title Hours
MATH 117 Trigonometry 3

Total Hours 3

Finish in Four Plan

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.


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, profession, and communities.

For detailed information on the electrical engineering program, please see 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 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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/colonnade/colonnaderequirements.php.

Courses Required for Major

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE 101</td>
<td>Electrical Engineering Design I</td>
<td>1</td>
</tr>
<tr>
<td>EE 180</td>
<td>Digital Circuits</td>
<td>3</td>
</tr>
<tr>
<td>EE 200</td>
<td>Electrical Engineering Design II</td>
<td>2</td>
</tr>
<tr>
<td>EE 210</td>
<td>Circuits &amp; Networks I</td>
<td>3.5</td>
</tr>
<tr>
<td>EE 211</td>
<td>Circuits &amp; Networks II</td>
<td>3.5</td>
</tr>
<tr>
<td>EE 300</td>
<td>Electrical Engineering Design III</td>
<td>1</td>
</tr>
<tr>
<td>EE 345</td>
<td>Electronics</td>
<td>4</td>
</tr>
<tr>
<td>EE 380</td>
<td>Microprocessors</td>
<td>4</td>
</tr>
<tr>
<td>EE 400</td>
<td>Design IV</td>
<td>2</td>
</tr>
<tr>
<td>or ENGR 490</td>
<td>Senior Seminar</td>
<td></td>
</tr>
<tr>
<td>EE 401</td>
<td>EE Design Project</td>
<td>3</td>
</tr>
<tr>
<td>or ENGR 491</td>
<td>Senior Project</td>
<td></td>
</tr>
<tr>
<td>EE 420</td>
<td>Signals and Linear Systems</td>
<td>3</td>
</tr>
<tr>
<td>EE 431</td>
<td>Introduction to Power Systems</td>
<td>3.5</td>
</tr>
<tr>
<td>EE 460</td>
<td>Continuous Control Systems</td>
<td>3.5</td>
</tr>
<tr>
<td>EE 473</td>
<td>Electromagnetics I</td>
<td>3</td>
</tr>
<tr>
<td>or PHYS 440</td>
<td>Electricity and Magnetism I</td>
<td></td>
</tr>
<tr>
<td>Select 12 hours of the following technical electives:</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>ENGR 360</td>
<td>System Dynamics and Modeling</td>
<td></td>
</tr>
<tr>
<td>EE 405</td>
<td>EE Senior Research Seminar</td>
<td></td>
</tr>
<tr>
<td>EE 410</td>
<td>Computer Design</td>
<td></td>
</tr>
<tr>
<td>&amp; EE 411</td>
<td>and Computer Design Lab</td>
<td></td>
</tr>
<tr>
<td>EE 432</td>
<td>Power Systems II</td>
<td></td>
</tr>
<tr>
<td>EE 436</td>
<td>Electric Machines and Drives</td>
<td></td>
</tr>
<tr>
<td>EE 443</td>
<td>Microfabrication and MEMS</td>
<td></td>
</tr>
<tr>
<td>EE 445</td>
<td>Advanced Electronics</td>
<td></td>
</tr>
<tr>
<td>EE 450</td>
<td>Digital Signal Processing</td>
<td></td>
</tr>
<tr>
<td>&amp; EE 451</td>
<td>and Digital Signal Processing Lab</td>
<td></td>
</tr>
<tr>
<td>EE 461</td>
<td>Discrete Control Systems</td>
<td></td>
</tr>
<tr>
<td>EE 462</td>
<td>Special Topics in Control Systems</td>
<td></td>
</tr>
<tr>
<td>EE 470</td>
<td>Communications and Modulation</td>
<td></td>
</tr>
<tr>
<td>&amp; EE 475</td>
<td>and Communication Systems Lab</td>
<td></td>
</tr>
<tr>
<td>EE 477</td>
<td>Numerical Techniques in Electromagnetics</td>
<td></td>
</tr>
<tr>
<td>EE 479</td>
<td>Optoelectronics</td>
<td></td>
</tr>
<tr>
<td>EE 480</td>
<td>Embedded Systems</td>
<td></td>
</tr>
<tr>
<td>EE 490</td>
<td>Introduction to Robotics</td>
<td></td>
</tr>
</tbody>
</table>

Select six hours of the following engineering/science electives: 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EM 222</td>
<td>WKU Statics</td>
<td></td>
</tr>
<tr>
<td>or PHYS 350</td>
<td>Classical Mechanics I</td>
<td></td>
</tr>
<tr>
<td>ME 220</td>
<td>Engineering Thermodynamics I</td>
<td></td>
</tr>
<tr>
<td>or PHYS 330</td>
<td>Thermodynamics</td>
<td></td>
</tr>
<tr>
<td>ME 240</td>
<td>Materials and Methods of Manufacturing</td>
<td></td>
</tr>
<tr>
<td>ME 330</td>
<td>Fluid Mechanics</td>
<td></td>
</tr>
<tr>
<td>or CE 342</td>
<td>Fluid Thermal Science</td>
<td></td>
</tr>
<tr>
<td>PHYS 450</td>
<td>Classical Mechanics II</td>
<td></td>
</tr>
<tr>
<td>PHYS 318</td>
<td>Data Acquisition Using Labview</td>
<td></td>
</tr>
<tr>
<td>ENGR 400</td>
<td>Principles of Systems Engineering</td>
<td></td>
</tr>
<tr>
<td>MATH 305</td>
<td>Introduction to Mathematical Modeling</td>
<td></td>
</tr>
<tr>
<td>PHYS 316</td>
<td>Computational Physics</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 58

Additional Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 237</td>
<td>Multivariable Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MATH 331</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>STAT 301</td>
<td>Introductory Probability and Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics (Micro)</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 203</td>
<td>Principles of Economics (Macro)</td>
<td></td>
</tr>
<tr>
<td>PHYS 256</td>
<td>University Physics I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CS 239</td>
<td>Problem Solving with Computational Techniques</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following 3-hour math electives: 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 307</td>
<td>Introduction to Linear Algebra</td>
<td></td>
</tr>
<tr>
<td>MATH 350</td>
<td>Advanced Engineering Mathematics</td>
<td></td>
</tr>
<tr>
<td>MATH 370</td>
<td>Applied Techniques in Mathematics</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following 3-hour science electives: 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 116</td>
<td>Introduction to College Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHEM 120</td>
<td>College Chemistry I</td>
<td></td>
</tr>
<tr>
<td>BIOL 120</td>
<td>Biological Concepts: Cells</td>
<td></td>
</tr>
<tr>
<td>&amp; METR 121</td>
<td>Metabolism and Genetics</td>
<td></td>
</tr>
<tr>
<td>BIOL 122</td>
<td>Biological Concepts: Evolution, Diversity, and Ecology</td>
<td></td>
</tr>
<tr>
<td>BIOL 131</td>
<td>Human Anatomy and Physiology</td>
<td></td>
</tr>
<tr>
<td>ENV 280</td>
<td>Introduction to Environmental Science</td>
<td></td>
</tr>
<tr>
<td>GEOL 111</td>
<td>The Earth</td>
<td></td>
</tr>
<tr>
<td>METR 121</td>
<td>Meteorology</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 23

Finish in Four Plan

http://wku.edu/degreepaths/19-20/documents/ocse/elec_eng_537.pdf

Engineering Technology Management, Bachelor of Science (5007)

Program Coordinator

Brian M. Janes, brian.janes@wku.edu, (270) 745-4514
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 or associates 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, manufacturer engineering, 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:

- 36 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 (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.

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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMS 271</td>
<td>Industrial Statistics</td>
<td>3</td>
</tr>
<tr>
<td>AMS 310</td>
<td>Ergonomics and Safety</td>
<td>3</td>
</tr>
<tr>
<td>AMS 342</td>
<td>Manufacturing Operations</td>
<td>3</td>
</tr>
<tr>
<td>AMS 356</td>
<td>Systems Design and Operation</td>
<td>3</td>
</tr>
<tr>
<td>AMS 371</td>
<td>Quality Assurance</td>
<td>3</td>
</tr>
<tr>
<td>AMS 390</td>
<td>Project Management</td>
<td>3</td>
</tr>
<tr>
<td>AMS 394</td>
<td>Lean Systems</td>
<td>3</td>
</tr>
<tr>
<td>AMS 430</td>
<td>Technology Management / Supervision / Team Building</td>
<td>3</td>
</tr>
</tbody>
</table>

AMS 490F Senior Research for Technology Management 3
Select 12 hours of advisor-approved technical upper-division electives 12
Additional Math requirement:
MATH 116 College Algebra 3
Total Hours 66

Students should consult with an advisor in planning their four-year degree program in Engineering Technology Management.

Sample Degree Path: http://wku.edu/degreepaths/19-20/documents/ocse/tech_mgmt_575.pdf

Floodplain Management, Minor (361)

Program Coordinator
Warren Campbell, warren.campbell@wku.edu, (270) 745-8988

This minor has been coordinated with the Geography and Geology Department and with the Kentucky Association of Mitigation Managers. The Floodplain Management minor requires completion of at least 21 semester hours including 13 core hours taken by all students and an additional 8 hours of electives. At least six hours of the minor must be taken from classes not counting toward completion of the major. The minor 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 minor 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.

Program Requirements (22 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 160</td>
<td>Principles of Surveying</td>
<td>4</td>
</tr>
<tr>
<td>&amp; CE 161</td>
<td>and Principles of Surveying Lab</td>
<td></td>
</tr>
<tr>
<td>CE 300</td>
<td>Floodplain Management</td>
<td>3</td>
</tr>
<tr>
<td>GISC 316</td>
<td>Fundamentals of GIS</td>
<td>4</td>
</tr>
<tr>
<td>CE 461</td>
<td>Hydrology</td>
<td>3</td>
</tr>
<tr>
<td>or GEOG/GEOL 310</td>
<td>Global Hydrology</td>
<td></td>
</tr>
<tr>
<td>METR 121</td>
<td>Meteorology</td>
<td></td>
</tr>
<tr>
<td>GEOL 111</td>
<td>The Earth</td>
<td></td>
</tr>
<tr>
<td>GEOL 113</td>
<td>The Earth Laboratory</td>
<td></td>
</tr>
<tr>
<td>GEOL/GEOL 420</td>
<td>Geomorphology</td>
<td></td>
</tr>
<tr>
<td>GEOG 391</td>
<td>Spatial Data Analysis and Interpretation</td>
<td></td>
</tr>
<tr>
<td>GEOG 427</td>
<td>Water Resource Management</td>
<td></td>
</tr>
<tr>
<td>GEOL 445</td>
<td>Aqueous Geochemistry</td>
<td></td>
</tr>
<tr>
<td>GEOG 455</td>
<td>Global Climate Change</td>
<td></td>
</tr>
<tr>
<td>GEOG 474</td>
<td>Environmental Planning Applications</td>
<td></td>
</tr>
</tbody>
</table>

Western Kentucky University – 2019-20 Undergraduate Catalog
For students majoring in civil engineering, a suggested sequence of courses for completion of this minor is:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 160</td>
<td>Principles of Surveying</td>
<td>4</td>
</tr>
<tr>
<td>&amp; CE 161</td>
<td>Principles of Surveying Lab</td>
<td></td>
</tr>
<tr>
<td>CE 380</td>
<td>Boundary Surveying</td>
<td>4</td>
</tr>
<tr>
<td>&amp; CE 381</td>
<td>Boundary Surveying Lab</td>
<td></td>
</tr>
<tr>
<td>METR 121</td>
<td>Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>CE 300</td>
<td>Floodplain Management</td>
<td>3</td>
</tr>
<tr>
<td>CE 461</td>
<td>Hydrology</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>17</td>
</tr>
</tbody>
</table>

For students majoring in geography or geology, a suggested sequence of courses for completion of this minor is:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>METR 121</td>
<td>Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>CE 160</td>
<td>Principles of Surveying</td>
<td>4</td>
</tr>
<tr>
<td>&amp; CE 161</td>
<td>Principles of Surveying Lab</td>
<td></td>
</tr>
<tr>
<td>CE 300</td>
<td>Floodplain Management</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 310</td>
<td>Global Hydrology</td>
<td>3</td>
</tr>
<tr>
<td>GISC 414</td>
<td>Remote Sensing Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>17</td>
</tr>
</tbody>
</table>

Manufacturing Engineering Technology, Bachelor of Science (5006)

Program Coordinator
Anthony M. Doggett, mark.doggett@wku.edu, (270) 745-6951

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.

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 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.
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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMS 120</td>
<td>Basic Electricity</td>
<td>3</td>
</tr>
<tr>
<td>AMS 205</td>
<td>CADD for Manufacturing</td>
<td>3</td>
</tr>
<tr>
<td>AMS EL-L</td>
<td>Lower Level Undergraduate Technical Elective</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>

**Program Requirements (64 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.

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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 200</td>
<td>Introductory Accounting—Financial</td>
<td>3</td>
</tr>
<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
<td>3</td>
</tr>
<tr>
<td>FIN 161</td>
<td>Personal Finance</td>
<td>3</td>
</tr>
<tr>
<td>AMS 120</td>
<td>Basic Electricity</td>
<td>3</td>
</tr>
<tr>
<td>AMS 205</td>
<td>CADD for Manufacturing</td>
<td>3</td>
</tr>
<tr>
<td>AMS 163</td>
<td>Architectural Drafting</td>
<td>3</td>
</tr>
<tr>
<td>AMS 271</td>
<td>Industrial Statistics</td>
<td>3</td>
</tr>
<tr>
<td>AMS 398</td>
<td>Internship I</td>
<td>3</td>
</tr>
<tr>
<td>UC 400</td>
<td>Faculty-Mentored Undergraduate Student</td>
<td>3</td>
</tr>
<tr>
<td>AMS 490E</td>
<td>Senior Research for Manufacturing Technology</td>
<td>3</td>
</tr>
<tr>
<td>AMS 328</td>
<td>Robotics and Machine Vision</td>
<td>3</td>
</tr>
<tr>
<td>AMS 310</td>
<td>Ergonomics and Safety</td>
<td>3</td>
</tr>
<tr>
<td>AMS 356</td>
<td>Systems Design and Operation</td>
<td>3</td>
</tr>
<tr>
<td>AMS 390</td>
<td>Project Management</td>
<td>3</td>
</tr>
<tr>
<td>AMS 430</td>
<td>Technology Management / Supervision / Team Building</td>
<td>3</td>
</tr>
<tr>
<td>BUS 214C</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>60</strong></td>
</tr>
</tbody>
</table>

**Finish in Four**


**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**

Christopher E. Byrne, chris.byrne@wku.edu, (270) 745-6286

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) 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.

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>College Composition (F-W1)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Human Communications (F-OC)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 136</td>
<td>Calculus I (or equivalent credit)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 137</td>
<td>Calculus II (or equivalent credit)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 255 &amp; PHYS 256</td>
<td>University Physics I and University Physics I Lab</td>
<td>5</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td>4-5</td>
<td></td>
</tr>
<tr>
<td>CHEM 116 &amp; CHEM 106</td>
<td>Introduction to College Chemistry and Fundamentals of General Chemistry Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHEM 120 &amp; CHEM 121</td>
<td>College Chemistry I and College Chemistry I Laboratory</td>
<td></td>
</tr>
<tr>
<td>EM 222</td>
<td>WKU Statics</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 26-27

These pre-major eligibility requirements MUST be completed before enrolling in ME 200: Sophomore Design. Check iCAP for progress towards meeting these requirements.

**Program Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 176</td>
<td>Mechanical Engineering Freshman Design ¹</td>
<td>1</td>
</tr>
<tr>
<td>ME 180</td>
<td>Freshman Design II ¹</td>
<td>3</td>
</tr>
<tr>
<td>ME 200</td>
<td>Sophomore Design ¹</td>
<td>3</td>
</tr>
<tr>
<td>ME 220</td>
<td>Engineering Thermodynamics ¹</td>
<td>3</td>
</tr>
<tr>
<td>ME 240</td>
<td>Materials and Methods of Manufacturing ¹</td>
<td>3</td>
</tr>
<tr>
<td>ME 241</td>
<td>Materials and Methods of Manufacturing Lab</td>
<td>1</td>
</tr>
<tr>
<td>ME 300</td>
<td>Junior Design</td>
<td>2</td>
</tr>
<tr>
<td>ME 310</td>
<td>Engineering Instrumentation and Experimentation</td>
<td>3</td>
</tr>
<tr>
<td>ME 325</td>
<td>Elements of Heat Transfer</td>
<td>3</td>
</tr>
<tr>
<td>ME 330</td>
<td>Fluid Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>ME 332</td>
<td>Fluid Mechanics Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>ME 333</td>
<td>Heat Transfer Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>ME 344</td>
<td>Mechanical Design</td>
<td>3</td>
</tr>
<tr>
<td>ME 347</td>
<td>Mechanical Systems Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>ME 400</td>
<td>Mechanical Engineering Design</td>
<td>2</td>
</tr>
<tr>
<td>or ENGR 490</td>
<td>Senior Seminar</td>
<td></td>
</tr>
<tr>
<td>ME 412</td>
<td>Mechanical Engineering Senior Project</td>
<td>3</td>
</tr>
<tr>
<td>or ENGR 491</td>
<td>Senior Project</td>
<td></td>
</tr>
<tr>
<td>EE 210</td>
<td>Circuits &amp; Networks I</td>
<td>3.5</td>
</tr>
<tr>
<td>EM 222</td>
<td>WKU Statics</td>
<td>3</td>
</tr>
</tbody>
</table>
Systems Engineering, Minor (476)

Program Coordinator
Robert E. Choate, robert.choate@wku.edu, (270) 745-8852

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 136</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 137</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 237</td>
<td>Multivariable Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MATH 331</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 255</td>
<td>University Physics I</td>
<td>5</td>
</tr>
<tr>
<td>&amp; PHYS 256</td>
<td>and University Physics I Lab</td>
<td></td>
</tr>
<tr>
<td>PHYS 265</td>
<td>University Physics II</td>
<td>5</td>
</tr>
<tr>
<td>&amp; PHYS 266</td>
<td>and University Physics II Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHEM 120</td>
<td>College Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHEM 121</td>
<td>and College Chemistry I Laboratory</td>
<td></td>
</tr>
<tr>
<td>or CHEM 116</td>
<td>or Introduction to College Chemistry</td>
<td></td>
</tr>
<tr>
<td>or CHEM 106</td>
<td>or Fundamentals of General Chemistry Laboratory</td>
<td></td>
</tr>
</tbody>
</table>

**Math and Science Elective**
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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTR 214</td>
<td>General Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 120 &amp; BIOL 121</td>
<td>Biological Concepts: Cells, Metabolism and Genetics</td>
<td></td>
</tr>
<tr>
<td>BIOL 122 &amp; BIOL 123</td>
<td>Biological Concepts: Evolution, Diversity, and Ecology</td>
<td></td>
</tr>
<tr>
<td>BIOL 207</td>
<td>General Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 222 &amp; CHEM 223</td>
<td>College Chemistry II and College Chemistry II Laboratory</td>
<td></td>
</tr>
<tr>
<td>PHYS 316</td>
<td>Computational Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 318</td>
<td>Data Acquisition Using Labview</td>
<td>3</td>
</tr>
<tr>
<td>MATH 305</td>
<td>Introduction to Mathematical Modeling</td>
<td>3</td>
</tr>
</tbody>
</table>

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**
**Western Kentucky University**

**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:** David Almand, David Bell, 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.

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**
---|---|---
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 436 | Design / Construction Integration | 3
CE 440 | Masonry Design and Construction | 3
CE 476 | Highway Construction | 3
CE 486 | Steel & Concrete 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
EE 443 | Microfabrication and MEMS | 3
ME 49x | courses taken in consultation with your advisor

**Select one of the following:**

- ASTR 104 or ASTR 106: Astronomy of the Solar System or Astronomy of Stellar Systems: 3
- GEOL 111 & GEOL 113: The Earth and The Earth Laboratory: 4
- GEOL 112 & GEOL 114: Earth History and Earth History Lab: 4
- PHYS 201: College Physics I: 4
- PHYS 231 & PHYS 232: Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I: 4

**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
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 325</td>
<td>Introduction to Minerals and Crystalline Rocks</td>
<td></td>
</tr>
<tr>
<td>GEOL 380</td>
<td>Introductory Field Techniques</td>
<td></td>
</tr>
<tr>
<td>GEOL 405</td>
<td>Paleontology</td>
<td></td>
</tr>
<tr>
<td>SMED 300</td>
<td>Middle Grades Science Skills and Methods</td>
<td></td>
</tr>
<tr>
<td>SMED 400</td>
<td>Applying Middle Grade Science Across Disciplines</td>
<td></td>
</tr>
</tbody>
</table>

**Total Hours** 30-31

**Support Courses**

Students must complete the following support courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 120</td>
<td>Biological Concepts: Cells</td>
<td>4</td>
</tr>
<tr>
<td>&amp; BIOL 121</td>
<td>Metabolism and Genetics and Biological Concepts: Cells,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Metabolism, and Genetics Lab</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following: 3-5

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 117</td>
<td>Trigonometry</td>
<td></td>
</tr>
<tr>
<td>MATH 136</td>
<td>Calculus I</td>
<td></td>
</tr>
<tr>
<td>MATH 142</td>
<td>Calculus with Applications for Life Sciences</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following: 4-5

| CHEM 105   | Fundamentals of General Chemistry                            |       |
| & CHEM 106 | and Fundamentals of General Chemistry Laboratory              |       |
| CHEM 120   | College Chemistry I                                          |       |
| & CHEM 121 | and College Chemistry I Laboratory                           |       |

**Total Hours** 11-14

**Sample Degree Path:** [https://www.wku.edu/degreepaths/19-20/documents/cebs/middle_grade_science_734_774.pdf](https://www.wku.edu/degreepaths/19-20/documents/cebs/middle_grade_science_734_774.pdf)
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

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 the college of choice that equips students, staff, and faculty to be innovative and transformative through exemplary programs and opportunities in health and human services.

Mission

To inspire the discovery and application of knowledge in health and human services.

Established by the Board of Regents in August 2002, the College of Health and Human Services (CHHS) brings together the health and human services programs under one administration unit. One of our strengths is the breadth and depth of the diverse disciplines within the College. The College 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. The College oversees the Institute for Rural Health, and the South Central Kentucky Area Health Education Center. The College 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. Two nationally recognized mobile health and wellness units provide opportunities for students to apply skills learned in the classroom in the provision of prevention services to residents in our region.

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.

The CHHS is dedicated to improving the quality of life in the community through education, service, collaboration, leadership, and scholarship. This is accomplished in the various centers and programs in the college that provide for a vibrant and relevant university experience. The following is a brief description of these organizational units.

South Central Kentucky Area Health Education Center (AHEC)

Connecting Students to Careers – Professionals to Communities – Communities to Better Health

Catherine Malin, Director
Email: C (Lucy.Juett@wku.edu)atherine.Malin@wku.edu
(Catherine.Malin@wku.edu)
Phone: (270) 745-3325
Website: 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. AHEC programs of particular interest to WKU students include the following:

- Opportunities to enhance cross-cultural communication skills with two unique populations - an Old Order Mennonite community and the ESL population in Bowling Green.
- Inter-professional Test Prep – is a 12-week preparation program for students planning to take the Medical College Admission Test.
CHHS Center for Environmental and Workplace Health (CEWH)

Dr. Ritchie Taylor, Director
Email: Ritchie.Taylor@wku.edu
Phone: 270-745-8975
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. This Center engages faculty, staff, and students through innovative research that enhances education, partnerships, and service offered by the College of Health and Human Services. The Center brings together disciplines throughout the College 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, Director
Email: Jason.Crandall@wku.edu
Phone: (270)-745-2077
Website: https://www.wku.edu/casha/

The 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, the Center 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.

WKU Center for Child Welfare Education and Research (CCWEAR)

Dr. Austin Griffiths, Director
Email: Austin.Griffiths@wku.edu
Phone: (270) 745-2676

The 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. CCWEAR 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

Angie Drexler, Coordinator
Email: Angie.Drexler@wku.edu
Phone: (270) 745-3762
Website: https://www.wku.edu/alliedhealth/cpr.php

The mission of the WKU CPR training center is dedicated to upholding the standard of the American Heart Association in accountability for instructors as well as excellent classroom training for the campus and the community. Classes are available to all faculty and staff, as well as anyone in the public. The types of classes available include Healthcare Provider, Heartsaver First Aid and CPR, Heartsaver Pediatric First Aid and CPR, and instructor courses for all disciplines.

- Department of Applied Human Sciences (p. 269)
  - Child Studies, Minor (336) (p. 270)
  - Early Childhood Education Director Certificate (1739) (p. 270)
• Family and Consumer Sciences, Bachelor of Science (563) (p. 270)
• Family Home Visiting, Certificate (1701) (p. 272)
• Family Studies, Minor (338) (p. 272)
• Hospitality Management and Dietetics, Bachelor of Science (707P, 707) (p. 272)
• Interior Design and Fashion Merchandising, Bachelor of Science (531) (p. 274)
• Meeting and Convention Planning, Minor (441) (p. 276)
• Department of Communication Sciences and Disorders (p. 276)
• American Sign Language Studies, Minor (307) (p. 277)
• Communication Disorders, Bachelor of Science (595P, 595) (p. 277)
• Deaf Studies, Certificate (1738) (p. 279)
• Department of Physical Therapy (p. 279)
• Department of Public Health (p. 279)
• Environmental and Occupational Health Science, Bachelor of Science (548P, 548) (p. 281)
• Environmental Health, Certificate (1743) (p. 282)
• Health Care Administration, Bachelor of Science (559P, 559) (p. 282)
• Health Care Administration, Minor (386) (p. 283)
• Health Education and Promotion, Certificate (1741) (p. 283)
• Health Education, Minor (389) (p. 283)
• Health Informatics, Certificate (1740) (p. 284)
• Health Information Management, Bachelor of Science (529P, 529) (p. 284)
• Health Sciences, Bachelor of Science (564) (p. 285)
• Long-Term Care Administration, Certificate (1717) (p. 288)
• Occupational Safety & Health, Certificate (1705) (p. 288)
• Public Health, Bachelor of Science (521P, 521) (p. 289)
• Public Health, Certificate (1742) (p. 290)
• Worksite Health Promotion, Certificate (1707) (p. 290)
• Department of Social Work (p. 291)
• Social Work, Bachelor of Social Work (594P, 594) (p. 291)
• Social Work, Minor (459) (p. 293)
• School of Kinesiology, Recreation and Sport (p. 293)
• Athletic Coaching, Minor (320) (p. 294)
• Exercise Science, Bachelor of Science (554P, 554) (p. 294)
• Facility and Event Management, Minor (367) (p. 295)
• Nonprofit Administration, Minor (422) (p. 295)
• Outdoor Experience Leadership, Minor (442) (p. 296)
• Physical Education, Bachelor of Science (587) (p. 297)
• Recreation Administration, Bachelor of Science (589) (p. 298)
• Sport Management, Bachelor of Science (572P, 572) (p. 300)
• Tourism, Minor (445) (p. 301)
• School of Nursing and Allied Health (p. 301)
• Dental Hygiene (Associate of Science) (226P, 226) (p. 303)
• Dental Hygiene, Bachelor of Science (524P, 524) (p. 304)
• Nursing, Associate of Science in Nursing (273P, 273) (p. 305)
• Nursing, Bachelor of Science in Nursing (586P, 586) (p. 306)

Suggested Degree Paths: http://www.wku.edu/degreepaths/19-20/chhs.php

Department of Applied Human Sciences

Mr. Travis Wilson, Head

Academic Complex, Cannon Wing, Office 303
Phone: (270) 745-4352
Email: lauri.warden@wku.edu
Website: 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 head 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.

Degrees

• Family and Consumer Sciences, Bachelor of Science (563) (p. 270)
• Hospitality Management and Dietetics, Bachelor of Science (707P, 707) (p. 272)
• Interior Design and Fashion Merchandising, Bachelor of Science (531) (p. 274)

Minors

• Child Studies, Minor (336) (p. 270)
• Family Studies, Minor (338) (p. 272)
• Meeting and Convention Planning, Minor (441) (p. 276)
Certificates

- Early Childhood Education Director Certificate (1739) (p. 270)
- Family Home Visiting, Certificate (1701) (p. 272)

Faculty

Professor
Danita M. Kelley PhD (Nutritional Science), University of Kentucky, 1994

Associate Professor
Dora Babb PhD (Human Environmental Sciences, Human Development and Family Science), Oklahoma State University Main Campus, 2010
Darbi J. Haynes-Lawrence PhD (Special Education), Indiana University-Bloomington, 1998
Karen G. Mason PhD (Nutritional Science), University of Kentucky, 2002
Heather M. Payne-Emerson PhD (Nutritional Science), University of Kentucky, 2010
Doris A. Sikora PhD (Human Ecology), University of Tennessee, Knoxville, 1997
Adam R. West PhD (Human Development and Family Science), University of Texas at Austin, 2013

Assistant Professor
Carolyn Cox PhD (Textile & Apparel Management), University of Missouri-Columbia, 1999
Ann E. Embry PhD (Hospitality Management), Iowa State University, 2017
Yuan Fang PhD (Design), North Carolina State University, 2017
Soyeon Kim PhD (Hospitality Management), The Ohio State University Main Campus, 2013
Qingfang Song PhD (Developmental Psychology), Cornell University, 2016

Visiting Assistant Professor
Fatemeh Soltani PhD (Health Leisure & Human Perf), Oklahoma State University Main Campus, 2015

Instructor I
Deborah C. Shivel MA (Textiles and Clothing), University of Kentucky, 1987
Jane H. Simmons MS, Western Kentucky University, 1977

Instructor II
Sheila S. Flener MA (Art (Creative)), University of Louisville, 2007
Julie K. Lee MBA, University of Cincinnati Main Campus, 2002

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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FACS 191</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>FACS 297</td>
<td>Family, Community and Early Childhood Program</td>
<td>3</td>
</tr>
<tr>
<td>FACS 395</td>
<td>Child and Family Stress</td>
<td>3</td>
</tr>
<tr>
<td>FACS 494</td>
<td>Parenting Strategies</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 9 hours of approved electives of the following courses in consultation with departmental advisor:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FACS 311</td>
<td>Family Relations</td>
<td></td>
</tr>
<tr>
<td>FACS 391</td>
<td>Risk and Resilience</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FACS 191</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>FACS 193</td>
<td>Curriculum Development for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>FACS 335</td>
<td>Infant/Toddler Development and Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>or FACS 336</td>
<td>Preschool and Kindergarten Children Development and Curriculum</td>
<td></td>
</tr>
<tr>
<td>FACS 299</td>
<td>Administration of Early Childhood Programs</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 12

Family and Consumer Sciences, Bachelor of Science (563)

Program Coordinator
Dora Babb, dlee.babb@wku.edu, (270) 745-6943

This program of study offers three concentrations which lead to a Bachelor of Science degree: (1) Child Studies, which provides a program of study for those who wish to work in a child-focused environment but do not want teacher certification; (2) Family and Consumer Sciences Education, which leads to teacher certification; and (3) Family Studies, which provides a program of study for those who wish to work in a family-focused environment.

Program Requirements (51-82 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.
Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/colonnade/colonnaderequirements.php.

This program offers three concentrations which lead to a Bachelor of Science degree:

1. Child Studies, which provides a program of study for those who wish to work in a child-focused environment but do not want teacher certification.
2. Family and Consumer Sciences Education, which leads to teacher certification.
3. Family Studies, which provides a program of study for those who wish to work in a family-focused environment.

**Child Studies Concentration**

The concentration in Child Studies requires a minimum of 51 hours in consumer and family sciences and related courses. A grade of "C" or above must be earned in the following courses required for this concentration:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMD 211</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>FACS 180</td>
<td>Foundations in Family and Consumer Sciences</td>
<td>3</td>
</tr>
<tr>
<td>FACS 191</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>FACS 193</td>
<td>Curriculum Development for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>FACS 292</td>
<td>Diversity in Early Childhood Programs</td>
<td>3</td>
</tr>
<tr>
<td>FACS 294</td>
<td>Assessment of Young Children</td>
<td>3</td>
</tr>
<tr>
<td>FACS 299</td>
<td>Administration of Early Childhood Programs</td>
<td>3</td>
</tr>
<tr>
<td>FACS 310</td>
<td>Management of Family Resources</td>
<td>3</td>
</tr>
<tr>
<td>FACS 311</td>
<td>Family Relations</td>
<td>3</td>
</tr>
<tr>
<td>FACS 312</td>
<td>Professional Ethics for Family Life</td>
<td>3</td>
</tr>
<tr>
<td>FACS 335</td>
<td>Infant/Toddler Development and Curriculum</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>or FACS 336</td>
<td></td>
</tr>
<tr>
<td>FACS 393</td>
<td>Role of Play in Child Development</td>
<td>3</td>
</tr>
<tr>
<td>FACS 399</td>
<td>Implications of Research in Family and Child Studies</td>
<td>3</td>
</tr>
<tr>
<td>FACS 493</td>
<td>Family Life Education</td>
<td>3</td>
</tr>
<tr>
<td>FACS 494</td>
<td>Parenting Strategies</td>
<td>3</td>
</tr>
<tr>
<td>FACS 496</td>
<td>Addressing Challenging Behavior in Young Children</td>
<td>3</td>
</tr>
<tr>
<td>FACS 499</td>
<td>Family Policy Analysis</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>51</td>
</tr>
</tbody>
</table>

**Family and Consumer Sciences Education Concentration**

The concentration in Family and Consumer Sciences Education requires a minimum of 57 hours in consumer and family sciences, and 25 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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMD 151</td>
<td>Food Science</td>
<td>3</td>
</tr>
<tr>
<td>HMD 211</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>FACS 191</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>FACS 281</td>
<td>Design Foundations for Family and Consumer Sciences Education</td>
<td>3</td>
</tr>
<tr>
<td>FACS 282</td>
<td>Introduction to Family and Consumer Sciences Education</td>
<td>3</td>
</tr>
<tr>
<td>FACS 310</td>
<td>Management of Family Resources</td>
<td>3</td>
</tr>
<tr>
<td>FACS 311</td>
<td>Family Relations</td>
<td>3</td>
</tr>
<tr>
<td>FACS 312</td>
<td>Professional Ethics for Family Life</td>
<td>3</td>
</tr>
<tr>
<td>FACS 381</td>
<td>Methods and Materials in Family and Consumer Sciences Education</td>
<td>3</td>
</tr>
<tr>
<td>FACS 422</td>
<td>Adolescent Psychology</td>
<td>3</td>
</tr>
<tr>
<td>FACS 481</td>
<td>Advanced Methods in Family and Consumer Sciences Education</td>
<td>3</td>
</tr>
<tr>
<td>FACS 493</td>
<td>Family Life Education</td>
<td>3</td>
</tr>
<tr>
<td>FACS 494</td>
<td>Parenting Strategies</td>
<td>3</td>
</tr>
<tr>
<td>AGED 300</td>
<td>Youth Development for Agricultural Educators</td>
<td>3</td>
</tr>
<tr>
<td>FACS 381</td>
<td>Methods and Materials in Family and Consumer Sciences Education</td>
<td>3</td>
</tr>
<tr>
<td>FACS 422</td>
<td>Adolescent Psychology</td>
<td>3</td>
</tr>
<tr>
<td>FACS 481</td>
<td>Advanced Methods in Family and Consumer Sciences Education</td>
<td>3</td>
</tr>
<tr>
<td>FACS 493</td>
<td>Family Life Education</td>
<td>3</td>
</tr>
<tr>
<td>FACS 494</td>
<td>Parenting Strategies</td>
<td>3</td>
</tr>
<tr>
<td>AGED 300</td>
<td>Youth Development for Agricultural Educators</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 100</td>
<td>Introduction to Housing and Interior Design</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 131</td>
<td>Basic Apparel Construction</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 223</td>
<td>Textiles</td>
<td>3</td>
</tr>
<tr>
<td>Select six hours of electives from the following:</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HMD 152 &amp; HMD 251</td>
<td>Food Service Sanitation and Commercial Food Preparation</td>
<td></td>
</tr>
<tr>
<td>HMD 171</td>
<td>Introduction to Management in the Hospitality Industry</td>
<td></td>
</tr>
<tr>
<td>FACS 300</td>
<td>Working with Young Children and Families</td>
<td></td>
</tr>
<tr>
<td>FACS 393</td>
<td>Role of Play in Child Development</td>
<td></td>
</tr>
<tr>
<td>FACS 495</td>
<td>Family and Relationship Violence</td>
<td></td>
</tr>
<tr>
<td>IDFM 132</td>
<td>Perspectives of Dress</td>
<td></td>
</tr>
<tr>
<td>IDFM 431</td>
<td>Clothing and Human Behavior</td>
<td></td>
</tr>
<tr>
<td>PH 365</td>
<td>Human Sexuality</td>
<td></td>
</tr>
<tr>
<td>Or, other elective courses approved by the major advisor.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>57</td>
</tr>
</tbody>
</table>

**Professional Education Courses for Family and Consumer Sciences Education**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 489</td>
<td>Student Teaching Seminar</td>
<td>3</td>
</tr>
<tr>
<td>SPED 330</td>
<td>Introduction to Exceptional Education: Diversity in Learning</td>
<td>3</td>
</tr>
<tr>
<td>SEC 490</td>
<td>Student Teaching</td>
<td>5</td>
</tr>
<tr>
<td>MGE 275</td>
<td>Foundations of Middle Grades Instruction</td>
<td>3</td>
</tr>
<tr>
<td>MGE 490</td>
<td>Student Teaching</td>
<td>5</td>
</tr>
<tr>
<td>LTCY 421</td>
<td>Content Area Reading in the Middle and Secondary Grades</td>
<td>3</td>
</tr>
</tbody>
</table>
No minor is required. Students majoring in FACS education 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/.

Family Studies Concentration

The concentration in Family Studies requires a minimum of 51 hours in consumer and family sciences and related courses. A grade of "C" or above must be earned in the following courses required for this major:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMD 211</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>FACS 180</td>
<td>Foundations in Family and Consumer Sciences</td>
<td>3</td>
</tr>
<tr>
<td>FACS 191</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>FACS 310</td>
<td>Management of Family Resources</td>
<td>3</td>
</tr>
<tr>
<td>FACS 311</td>
<td>Family Relations</td>
<td>3</td>
</tr>
<tr>
<td>FACS 312</td>
<td>Professional Ethics for Family Life</td>
<td>3</td>
</tr>
<tr>
<td>FACS 399</td>
<td>Implications of Research in Family and Child Studies</td>
<td>3</td>
</tr>
<tr>
<td>FACS 410</td>
<td>Internship</td>
<td>3</td>
</tr>
<tr>
<td>FACS 422</td>
<td>Adolescent Psychology</td>
<td>3</td>
</tr>
<tr>
<td>FACS 493</td>
<td>Family Life Education</td>
<td>3</td>
</tr>
<tr>
<td>FACS 494</td>
<td>Parenting Strategies</td>
<td>3</td>
</tr>
<tr>
<td>FACS 495</td>
<td>Family and Relationship Violence</td>
<td>3</td>
</tr>
<tr>
<td>FACS 497</td>
<td>Family Home Visiting</td>
<td>3</td>
</tr>
<tr>
<td>FACS 499</td>
<td>Family Policy Analysis</td>
<td>3</td>
</tr>
<tr>
<td>PSYS 423</td>
<td>Psychology of Adult Life and Aging</td>
<td>3</td>
</tr>
<tr>
<td>or SOCL 342</td>
<td>Aging in Society</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 359</td>
<td>Sexuality and Society</td>
<td>3</td>
</tr>
<tr>
<td>or PH 365</td>
<td>Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following upper-level electives:</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>FACS 395</td>
<td>Child and Family Stress</td>
<td></td>
</tr>
<tr>
<td>PH 444</td>
<td>Death, Dying and Bereavement</td>
<td></td>
</tr>
<tr>
<td>Elective approved by academic advisor</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Hours: 51

Finish in Four Plans:


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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FACS 395</td>
<td>Child and Family Stress</td>
<td>3</td>
</tr>
<tr>
<td>FACS 494</td>
<td>Parenting Strategies</td>
<td>3</td>
</tr>
<tr>
<td>FACS 497</td>
<td>Family Home Visiting</td>
<td>3</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FACS 191</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>FACS 310</td>
<td>Management of Family Resources</td>
<td>3</td>
</tr>
<tr>
<td>FACS 311</td>
<td>Family Relations</td>
<td>3</td>
</tr>
<tr>
<td>FACS 494</td>
<td>Parenting Strategies</td>
<td>3</td>
</tr>
<tr>
<td>FACS 495</td>
<td>Family and Relationship Violence</td>
<td>3</td>
</tr>
</tbody>
</table>

Restricted Electives: 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FACS 312</td>
<td>Professional Ethics for Family Life</td>
<td>3</td>
</tr>
<tr>
<td>FACS 391</td>
<td>Risk and Resilience</td>
<td>3</td>
</tr>
<tr>
<td>FACS 395</td>
<td>Child and Family Stress</td>
<td>3</td>
</tr>
<tr>
<td>FACS 422</td>
<td>Adolescent Psychology</td>
<td>3</td>
</tr>
<tr>
<td>FACS 497</td>
<td>Family Home Visiting</td>
<td>3</td>
</tr>
<tr>
<td>FACS 499</td>
<td>Family Policy Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 21

Students majoring in the family studies concentration may not minor in family studies.

Hospitality Management and Dietetics, Bachelor of Science (707P, 707)

Program Coordinator
Jane H. Simmons, jane.simmons@wku.edu, (270) 745-5224

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.

Program Requirements (59-68 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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMD 151</td>
<td>Food Science</td>
<td>3</td>
</tr>
<tr>
<td>HMD 152</td>
<td>Food Service Sanitation</td>
<td>1</td>
</tr>
<tr>
<td>HMD 211</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>HMD 251</td>
<td>Commercial Food Preparation</td>
<td>3</td>
</tr>
<tr>
<td>HMD 252</td>
<td>Hospitality Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>HMD 351</td>
<td>Human Resource Management in the Hospitality Industry</td>
<td>3</td>
</tr>
<tr>
<td>HMD 353</td>
<td>Menu Planning and Purchasing</td>
<td>3</td>
</tr>
<tr>
<td>HMD 354</td>
<td>Cost Control in the Hospitality Industry</td>
<td>3</td>
</tr>
<tr>
<td>HMD 452</td>
<td>Quality and Service Management in the Hospitality Industry</td>
<td>3</td>
</tr>
<tr>
<td>HMD 459</td>
<td>Senior Seminar in Hospitality Management and Dietetics</td>
<td>1</td>
</tr>
<tr>
<td>IDFM 321</td>
<td>Professional Ethics &amp; Issues Seminar</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Professional Ethics for Family Life</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMD 171</td>
<td>Introduction to Management in the Hospitality Industry</td>
<td>3</td>
</tr>
<tr>
<td>HMD 271</td>
<td>Tourism Planning and Development</td>
<td>3</td>
</tr>
<tr>
<td>HMD 275</td>
<td>Restaurant &amp; Retail Management</td>
<td>3</td>
</tr>
<tr>
<td>HMD 276</td>
<td>Lodging Operations</td>
<td>3</td>
</tr>
<tr>
<td>HMD 373</td>
<td>Hospitality and Tourism Marketing</td>
<td>3</td>
</tr>
<tr>
<td>HMD 378</td>
<td>Legal Environment of Hospitality and Tourism</td>
<td>3</td>
</tr>
<tr>
<td>HMD 410</td>
<td>Internship in Hospitality Management</td>
<td>3</td>
</tr>
<tr>
<td>HMD 470</td>
<td>Advanced Lodging Management</td>
<td>3</td>
</tr>
<tr>
<td>HMD 471</td>
<td>Food Service Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>HMD 472</td>
<td>Strategic Management in the Hospitality Industry</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 30

Nutrition and Dietetics Concentration

The Nutrition and Dietetics concentration requires 68 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). 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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMD 201</td>
<td>Introduction to Dietetics</td>
<td>1</td>
</tr>
<tr>
<td>HMD 340</td>
<td>Nutrition Assessment</td>
<td>3</td>
</tr>
<tr>
<td>HMD 360</td>
<td>Advanced Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>HMD 361</td>
<td>Life Stage Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>HMD 362</td>
<td>Medical Nutrition Therapy I</td>
<td>4</td>
</tr>
<tr>
<td>HMD 461</td>
<td>Application of Nutrition Theory and Research</td>
<td>3</td>
</tr>
<tr>
<td>HMD 462</td>
<td>Medical Nutrition Therapy II</td>
<td>4</td>
</tr>
<tr>
<td>HMD 464</td>
<td>Practicum in Dietetics</td>
<td>3</td>
</tr>
<tr>
<td>HMD 465</td>
<td>Community Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>AH 290</td>
<td>Medical Terminology</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 304</td>
<td>Biochemistry for the Health Sciences</td>
<td>4</td>
</tr>
<tr>
<td>ACCT 200</td>
<td>Introductory Accounting—Financial</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following electives:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 113</td>
<td>General Biology</td>
<td>3</td>
</tr>
</tbody>
</table>
## Specific courses required for the concentration may also count toward Colonnade Requirements and include the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 150</td>
<td>Introduction to Economics</td>
<td>3</td>
</tr>
<tr>
<td>PSY/PSYS 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>MATH 183</td>
<td>Introductory Statistics</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 105</td>
<td>Fundamentals of General Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 106</td>
<td>Fundamentals of General Chemistry Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 107</td>
<td>Fundamentals of Organic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 108</td>
<td>Fundamentals of Organic Chemistry Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 131</td>
<td>Human Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 207</td>
<td>General Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 208</td>
<td>General Microbiology Laboratory</td>
<td>1</td>
</tr>
</tbody>
</table>

### Total Hours

39

## 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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMD 360</td>
<td>Advanced Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>HMD 361</td>
<td>Life Stage Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>HMD 461</td>
<td>Application of Nutrition Theory and Research</td>
<td>3</td>
</tr>
<tr>
<td>HMD 465</td>
<td>Community Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 200</td>
<td>Introductory Accounting—Financial</td>
<td>3</td>
</tr>
<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
<td>3</td>
</tr>
<tr>
<td>PE 311</td>
<td>Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>PH 390</td>
<td>Wellness and Fitness Assessment</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two designated electives with an advisor from the following:

- 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Total Hours

30

Required Colonnade courses in support of this concentration include CHEM 109 and BIOL 131.

### Finish in Four Plans:

- **Nutrition and Dietetics**: [http://wku.edu/degreepaths/19-20/documents/chhs/nutrition_dietetics_707.pdf](http://wku.edu/degreepaths/19-20/documents/chhs/nutrition_dietetics_707.pdf)

### Interior Design and Fashion Merchandising, Bachelor of Science (531)
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.

**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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: 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 231, IDFM 421, IDFM 422, IDFM 427, FACS 311, and MKT 220. 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDFM 120</td>
<td>Visual Design I</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 131</td>
<td>Basic Apparel Construction</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 132</td>
<td>Perspectives of Dress</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 221</td>
<td>Visual Design II</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 222</td>
<td>CAD in Human Environment</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 223</td>
<td>Textiles</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 231</td>
<td>Textile and Apparel Quality Analysis</td>
<td>3</td>
</tr>
<tr>
<td>FACS 311</td>
<td>Family Relations</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 321</td>
<td>Professional Ethics &amp; Issues Seminar</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 322</td>
<td>Merchandising I for IDFM</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 332</td>
<td>History of 20th Century Fashion</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 333</td>
<td>Fashion Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 335</td>
<td>Apparel Design Production</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 410</td>
<td>IDFM Internship</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 421</td>
<td>Portfolio Design</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 422</td>
<td>Textile Design and Performance</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 427</td>
<td>Visual Design III</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 431</td>
<td>Clothing and Human Behavior</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 432</td>
<td>Visual Merchandising and Promotion</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 433</td>
<td>Fashion Synthesis</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 436</td>
<td>Global Apparel Merchandising</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 438</td>
<td>Merchandising II for IDFM</td>
<td>3</td>
</tr>
<tr>
<td>MGT 210</td>
<td>Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 441</td>
<td>Advanced Design for Interior Design</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 442</td>
<td>Textile Design and Performance</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 443</td>
<td>Visual Design III</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 444</td>
<td>Lighting and Environmental Controls</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 445</td>
<td>Professional Ethics &amp; Issues Seminar</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 446</td>
<td>Business Principles and Practices for Interior Design</td>
<td>2</td>
</tr>
<tr>
<td>IDFM 447</td>
<td>History of Art to 1300</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 448</td>
<td>History of Art Since 1300</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 449</td>
<td>History of Art to 1300</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 6 hours of electives selected with the advisor

**Total Hours** 78

### Interior Design Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDFM 101</td>
<td>Foundations of Interior Design</td>
<td>1</td>
</tr>
<tr>
<td>IDFM 120</td>
<td>Visual Design I</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 151</td>
<td>Survey of Architecture and Interiors I</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 152</td>
<td>Survey of Architecture and Interiors II</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 201</td>
<td>Interior Design Studio I</td>
<td>4</td>
</tr>
<tr>
<td>IDFM 221</td>
<td>Visual Design II</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 222</td>
<td>CAD in Human Environment</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 223</td>
<td>Textiles</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 243</td>
<td>Materials and Finishes for Interior Design</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 300</td>
<td>Interior Design Studio II</td>
<td>4</td>
</tr>
<tr>
<td>IDFM 301</td>
<td>Interior Design Studio III</td>
<td>4</td>
</tr>
<tr>
<td>IDFM 302</td>
<td>Interior Design Studio IV</td>
<td>4</td>
</tr>
<tr>
<td>IDFM 304</td>
<td>Lighting and Environmental Controls</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 321</td>
<td>Professional Ethics &amp; Issues Seminar</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 344</td>
<td>Digital Rendering for Interiors</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 401</td>
<td>Interior Design Studio V</td>
<td>4</td>
</tr>
<tr>
<td>IDFM 402</td>
<td>Senior Design Thesis</td>
<td>4</td>
</tr>
<tr>
<td>IDFM 403</td>
<td>Business Principles and Practices for Interior Design</td>
<td>2</td>
</tr>
<tr>
<td>IDFM 410</td>
<td>IDFM Internship</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 421</td>
<td>Portfolio Design</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 422</td>
<td>Textile Design and Performance</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 427</td>
<td>Visual Design III</td>
<td>3</td>
</tr>
<tr>
<td>FACS 311</td>
<td>Family Relations</td>
<td>3</td>
</tr>
<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
<td>3</td>
</tr>
<tr>
<td>ART 105</td>
<td>History of Art to 1300</td>
<td>3</td>
</tr>
<tr>
<td>or ART 106</td>
<td>History of Art Since 1300</td>
<td>3</td>
</tr>
</tbody>
</table>

Select a 3-hour elective selected with the advisor from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDFM 308</td>
<td>Design and the Human Lifecycle</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 313</td>
<td>Practicum in Interior Design</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 360</td>
<td>Kitchen &amp; Bath Design Studio</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 400</td>
<td>Special Problems in Interior Design</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 423</td>
<td>Human Environment Study Tour</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 424</td>
<td>Historic Textiles</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 444</td>
<td>Environmental Product Design and Development</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 446</td>
<td>Restoration of Historic Interiors</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 448</td>
<td>Interior Illustration</td>
<td>3</td>
</tr>
<tr>
<td>IDFM 449</td>
<td>Design Humanities</td>
<td>3</td>
</tr>
<tr>
<td>AMS 273</td>
<td>Architectural Detailing</td>
<td>3</td>
</tr>
<tr>
<td>AMS 351</td>
<td>Building Information Modeling</td>
<td>3</td>
</tr>
<tr>
<td>HORT 209</td>
<td>Floral Design</td>
<td>3</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMD 171</td>
<td>Introduction to Management in the Hospitality Industry</td>
<td>3</td>
</tr>
<tr>
<td>HMD 313</td>
<td>Practicum in Hospitality Management</td>
<td>3</td>
</tr>
<tr>
<td>HMD 375</td>
<td>Meeting and Convention Management</td>
<td>3</td>
</tr>
<tr>
<td>HMD 475</td>
<td>Advanced Hospitality Event Planning</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives
Select three of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMD 151</td>
<td>Food Science</td>
<td>3</td>
</tr>
<tr>
<td>HMD 276</td>
<td>Lodging Operations</td>
<td>3</td>
</tr>
<tr>
<td>HMD 351</td>
<td>Human Resource Management in the Hospitality Industry</td>
<td>3</td>
</tr>
<tr>
<td>HMD 373</td>
<td>Hospitality and Tourism Marketing</td>
<td>3</td>
</tr>
<tr>
<td>HMD 378</td>
<td>Legal Environment of Hospitality and Tourism</td>
<td>3</td>
</tr>
<tr>
<td>COMM 240</td>
<td>Effective Listening</td>
<td>3</td>
</tr>
<tr>
<td>COMM 345</td>
<td>Advanced Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>COMM 346</td>
<td>Persuasion</td>
<td>3</td>
</tr>
<tr>
<td>COMM 362</td>
<td>Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>ENT 312</td>
<td>Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>HORT 209</td>
<td>Floral Design</td>
<td>3</td>
</tr>
<tr>
<td>HORT 309</td>
<td>Advanced Floral Design</td>
<td>3</td>
</tr>
<tr>
<td>HORT 330</td>
<td>Wedding Floral Design</td>
<td>3</td>
</tr>
<tr>
<td>MGT 311</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 333</td>
<td>Management of Nonprofit Organizations</td>
<td>3</td>
</tr>
</tbody>
</table>

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. Richard Dressler, Head

Academic Complex, Room 104
Phone: 270-745-6280; Fax: 270-745-3441
Website: 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. 277)

**Minor**
- American Sign Language Studies, Minor (307) (p. 277)

**Certificate**
- Deaf Studies, Certificate (1738) (p. 279)

**Faculty**

**Professor**
Jean Neils-Strunjas PhD (Communication Sciences), Case Western Reserve University, 1984

**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
Richard A. Dressler PhD (Audiology & Speech Pathology), University of Memphis, 2001
Jo L. Shackelford EdD (Educational Leadership, Postsecondary Leadership), Western Kentucky University, 2012

**Assistant Professor**
Ashley C. Fox PhD (Educational Leadership and Organizational Development), University of Louisville, 2010
Kimberly J. Green EdD (Educational Leadership, Postsecondary Leadership), Western Kentucky University, 2015
Brian K. Weiler MS (Hearing and Speech Sciences), Vanderbilt University, 2007

**Clinical Assistant Professor**
Brittney R. Vickous MS, Western Kentucky University, 2011

**Clinical Associate Professor**
Jeffrey A. Barefoot AUD (Audiology), A T Still University of Health Scien, 2013
Courtney A. Hatcher PhD (Rehabilitation Sciences), University of Kentucky, 2017
Leisa S. Hutchison MSED (Special Education, Speech and Communication Disorders), University of Kentucky, 1986
Leigh A. Roden-Carrier 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASL 101</td>
<td>American Sign Language I</td>
<td>3</td>
</tr>
<tr>
<td>ASL 102</td>
<td>American Sign Language II</td>
<td>3</td>
</tr>
<tr>
<td>ASL 201</td>
<td>American Sign Language III</td>
<td>3</td>
</tr>
<tr>
<td>ASL 301</td>
<td>American Sign Language IV</td>
<td>3</td>
</tr>
<tr>
<td>ASL 401</td>
<td>Fingerspelling</td>
<td>3</td>
</tr>
<tr>
<td>ASL 403</td>
<td>Deaf Culture and History</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective
Select one of the following:

- ASL 303 International Deaf Studies
- 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**
Leisa S. Hutchison, leisa.hutchison@wkul.edu, (270) 745-2772

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.
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 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 3.5.
2. Documentation of highest ACT or SAT score; and
3. A completed application for official admission to the program (found on departmental website).
4. CD 280, CD 290, and CD 347 are prerequisite courses for admission to CD 595 major.

A GAP score will be computed by multiplying the most current GPA and the student's ACT/SAT score with the top GAP scores comprising the accepted cohort.

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD 280</td>
<td>Introduction to Communication Sciences and Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CD 290</td>
<td>Introduction to Clinical Experience</td>
<td>1</td>
</tr>
<tr>
<td>CD 347</td>
<td>Science of Speech and Hearing</td>
<td>3</td>
</tr>
<tr>
<td>CD 348</td>
<td>Introduction to Clinical Research and Writing in Communication Sciences and Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CD 405</td>
<td>Applied Phonetics</td>
<td>3</td>
</tr>
<tr>
<td>CD 478</td>
<td>Clinical Issues and Treatment in Speech Language Pathology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Additional Required Courses**

**Statistics**

Select one of the following:

- MATH 183 Introductory Statistics
- PH 383 Biostatistics in the Health Sciences
- SOCL 300 Using Statistics in Sociology
- Other advisor approved course

**Chemistry or Physics**

- PHYS 130 Acoustics of Music and Speech (or any CHEM course)

**Psychology or Psychological Science**

- PSY 100 Introduction to Psychology (or any PSYS course)

**Biology**

- BIOL 131 Human Anatomy and Physiology (or other advisor approved course)
- ENG 300 Writing in the Disciplines

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**

The suggested program of study shown below should be used in consultation with your advisor(s). Every student will finish with a unique
plan of his/her own depending on the electives selected. Prerequisites, Course Numbers, and Course Titles are subject to change.

First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 145 (F-OC)</td>
<td>3</td>
<td>MATH 183 (F-QR)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 101 or HIST 102 (E-SB)</td>
<td>3</td>
<td>ENG 100 (F-W1)</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100 or PSYS 100 (F-SB)</td>
<td>3</td>
<td>CD 280</td>
<td>3</td>
</tr>
<tr>
<td>Arts and Humanities (E-AH)</td>
<td>3</td>
<td>CD 290</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 131 (E-NS, SL)</td>
<td>1</td>
<td>CD 347</td>
<td>3</td>
</tr>
<tr>
<td>Minor/General Elective or World Language (if needed)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td><strong>16</strong></td>
<td><strong>16</strong></td>
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</tr>
</tbody>
</table>

Second Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 200 (F-AH)</td>
<td>3</td>
<td>ENG 300 (F-W2)</td>
<td>3</td>
</tr>
<tr>
<td>CHEM ### *(any Chemistry course) or PHYS 130</td>
<td>3</td>
<td>Connections: Social &amp; Cultural (K-SC)</td>
<td>3</td>
</tr>
<tr>
<td>Minor/General Elective</td>
<td>3</td>
<td>Connections: Local to Global (K-LG)</td>
<td>3</td>
</tr>
<tr>
<td>Minor/General Elective</td>
<td>3</td>
<td>Connections: Systems (K-GY)</td>
<td>3</td>
</tr>
<tr>
<td>Minor/General Elective</td>
<td>3</td>
<td>Minor/General Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td><strong>15</strong></td>
<td><strong>15</strong></td>
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</tr>
</tbody>
</table>

Third Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD 405</td>
<td>3</td>
<td>CD 483</td>
<td>3</td>
</tr>
<tr>
<td>CD 481</td>
<td>3</td>
<td>CD 485</td>
<td>3</td>
</tr>
<tr>
<td>CD 482</td>
<td>3</td>
<td>CD 486</td>
<td>3</td>
</tr>
<tr>
<td>CD 484</td>
<td>3</td>
<td>CD 487</td>
<td>3</td>
</tr>
<tr>
<td>CD 348</td>
<td>3</td>
<td>CD 478</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td><strong>15</strong></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

Fourth Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD 490</td>
<td>3</td>
<td>CD 488</td>
<td>3</td>
</tr>
<tr>
<td>CD 491</td>
<td>3</td>
<td>CD 489</td>
<td>3</td>
</tr>
<tr>
<td>CD 492</td>
<td>3</td>
<td>CD 495</td>
<td>3</td>
</tr>
<tr>
<td>CD 495</td>
<td>3</td>
<td>Minor/General Elective</td>
<td>3</td>
</tr>
<tr>
<td>Minor/General Elective</td>
<td>3</td>
<td>Minor/General Elective</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td><strong>15</strong></td>
<td><strong>13</strong></td>
<td></td>
</tr>
</tbody>
</table>

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:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASL 101</td>
<td>American Sign Language I</td>
<td>3</td>
</tr>
<tr>
<td>ASL 102</td>
<td>American Sign Language II</td>
<td>3</td>
</tr>
<tr>
<td>ASL 302</td>
<td>Deaf Culture in America</td>
<td>3</td>
</tr>
<tr>
<td>ASL 303</td>
<td>International Deaf Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Courses:**

Select one of the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASL 403</td>
<td>Deaf Culture and History</td>
<td>3</td>
</tr>
<tr>
<td>ASL 406</td>
<td>ASL Special Topics</td>
<td></td>
</tr>
</tbody>
</table>

**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

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, or the departmental website http://www.wku.edu/physicaltherapy.

### Faculty

**Associate Professor**

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, University of Kentucky, 2012
Karen E. Furgal DPT (Physical Therapy), SUNY at Stony Brook, 2008
Michael W. Kennedy DPT (Physical Therapy), University of Kentucky, 2012

### Department of Public Health

Dr. William Mkanta, Head

Academic Complex, Office 133
Phone: (270) 745-4797, Fax: (270) 745-4437
Email: public.health@wku.edu
Website: 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.

**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. 281)
- Health Care Administration, Bachelor of Science (559P, 559) (p. 282)
- Health Information Management, Bachelor of Science (529P, 529) (p. 284)
- Health Sciences, Bachelor of Science (564) (p. 285)
- Public Health, Bachelor of Science (521R, 521) (p. 289)

**Minor**

- Health Care Administration, Minor (386) (p. 283)

**Certificates**

- Environmental Health, Certificate (1743) (p. 282)
- Health Education and Promotion, Certificate (1741) (p. 283)
- Health Informatics, Certificate (1740) (p. 284)
- Long-Term Care Administration, Certificate (1717) (p. 288)
- Occupational Safety & Health, Certificate (1705) (p. 288)
- Public Health, Certificate (1742) (p. 290)
- Worksite Health Promotion, Certificate (1707) (p. 290)

**Faculty**

**Professor**

- Grace K. Larney 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
- Cecilia M. Watkins PhD (Human Ecology, Community Health), University of Tennessee, Knoxville, 2000

**Associate Professor**

- Gregory E. Ellis-Griffith PhD (Administration/Health Services), University of Alabama at Birmingham, 2010
- Gary M. English PhD (Health PE & Recreation), University of New Mexico Main Campus, 1988
- Marilyn M. Gardner PhD (Health Ed Promotion), The University of Alabama, 1999
- Janice R. Hunt-Shepherd MHA (Health Administration), Western Kentucky University, 2005
- Gretchen M. Macy EdD (Kinesiology and Health Promotion), University of Kentucky, 2012

**Assistant Professor**

- Abeer D. Alamri PhD (Healthcare Ethics), Duquesne University, 2016
- Xiuhua Ding PhD (Epidemiology and Biostatistics), University of Kentucky, 2016
- Colin Farrell PhD (Medical Sociology), University of Alabama at Birmingham, 2010
- Michelle C. Reece PhD (Public Health), East Tennessee State University, 2014
- Edrisa Sanyang PhD, University of Iowa, 2016

**Instructor**

- Susan S. Eagle PhD (Anthropology), Tulane 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 (Business Administration), Western Kentucky University, 2003
- Nadia F. Houchens BD, Foreign College/University, 2014
- Jae J. Kim MS (Health), Western Kentucky University, 1987
Environmental and Occupational Health Science, Bachelor of Science (548P, 548)

Program Coordinator
Ritchie D. Taylor, ritchie.taylor@wku.edu, (270) 745-8975

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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/colonnade/colonnaderequirements.php.

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
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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCA 120</td>
<td>Health Literacy for Consumers</td>
<td>3</td>
</tr>
<tr>
<td>or HCA 247</td>
<td>Contemporary Healthcare Issues</td>
<td>3</td>
</tr>
<tr>
<td>PH 447</td>
<td>Human Values and the Health Sciences</td>
<td></td>
</tr>
<tr>
<td>PHIL 322</td>
<td>Biomedical Ethics</td>
<td></td>
</tr>
<tr>
<td>PHIL 323</td>
<td>Social Ethics</td>
<td></td>
</tr>
<tr>
<td>MGT 305</td>
<td>Ethics and Critical Thinking</td>
<td></td>
</tr>
<tr>
<td>SWRK 433</td>
<td>Ethical Issues and Dilemmas in Social Work</td>
<td></td>
</tr>
<tr>
<td>HCA 340</td>
<td>Health Care Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>HCA 342</td>
<td>Human Resources Management for Healthcare Managers</td>
<td>3</td>
</tr>
<tr>
<td>HCA 343</td>
<td>Quality Management for Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>or HCA 353</td>
<td>Quality and Patient Safety in Long-Term Care</td>
<td>3</td>
</tr>
<tr>
<td>HCA 344</td>
<td>Health Systems Management</td>
<td>3</td>
</tr>
<tr>
<td>HCA 345</td>
<td>Long-Term Care Administration</td>
<td>3</td>
</tr>
<tr>
<td>HCA 346</td>
<td>Ambulatory Care Administration</td>
<td>3</td>
</tr>
<tr>
<td>or HCA 355</td>
<td>Nursing Facility Administration</td>
<td>3</td>
</tr>
<tr>
<td>HCA 347</td>
<td>International Comparisons of Health Care Systems</td>
<td>3</td>
</tr>
<tr>
<td>or PH 410</td>
<td>Global Perspectives on Population Health</td>
<td></td>
</tr>
<tr>
<td>ACCT 200</td>
<td>Introductory Accounting—Financial</td>
<td>3</td>
</tr>
<tr>
<td>or HIM 252</td>
<td>Healthcare Payment Systems</td>
<td></td>
</tr>
<tr>
<td>HCA 383</td>
<td>Management Applications in Healthcare</td>
<td>1</td>
</tr>
<tr>
<td>HCA 440</td>
<td>Health Economics (or any 300 level or higher economics course)</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HCA 441</td>
<td>Legal Aspects / Health Care</td>
<td></td>
</tr>
<tr>
<td>MGT 200</td>
<td>Legal Environment of Business</td>
<td></td>
</tr>
<tr>
<td>MGT 301</td>
<td>Business Law</td>
<td></td>
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<tr>
<td>HIM 225</td>
<td>Legal Issues in Health Information Management</td>
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</tr>
<tr>
<td>HCA 442</td>
<td>Principles and Methods of Health Planning</td>
<td>3</td>
</tr>
<tr>
<td>HCA 445</td>
<td>Health Care Finance</td>
<td>3</td>
</tr>
<tr>
<td>HCA 446</td>
<td>Health Care Informatics</td>
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</tr>
<tr>
<td>HCA 447</td>
<td>Information Systems Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>HCA 448</td>
<td>Health Care Analysis and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>HCA 449</td>
<td>Internship in Health Care Administration</td>
<td>3</td>
</tr>
<tr>
<td>FIN 330</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>or HCA 401</td>
<td>Fundamentals of Health Care Financial Management</td>
<td>3</td>
</tr>
</tbody>
</table>

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
Gregory E. Ellis-Griffith, gregory.ellis-griffith@wku.edu, (270) 745-3076

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 (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.

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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCA 441</td>
<td>Legal Aspects / Health Care</td>
<td></td>
</tr>
<tr>
<td>MGT 200</td>
<td>Legal Environment of Business</td>
<td></td>
</tr>
<tr>
<td>MGT 301</td>
<td>Business Law</td>
<td></td>
</tr>
<tr>
<td>HIM 225</td>
<td>Legal Issues in Health Information Management</td>
<td></td>
</tr>
<tr>
<td>HCA 442</td>
<td>Principles and Methods of Health Planning</td>
<td>3</td>
</tr>
<tr>
<td>HCA 445</td>
<td>Health Care Finance</td>
<td>3</td>
</tr>
<tr>
<td>HCA 446</td>
<td>Health Care Informatics</td>
<td>3</td>
</tr>
<tr>
<td>HCA 447</td>
<td>Information Systems Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>HCA 448</td>
<td>Health Care Analysis and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>HCA 449</td>
<td>Internship in Health Care Administration</td>
<td>3</td>
</tr>
<tr>
<td>FIN 330</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>or HCA 401</td>
<td>Fundamentals of Health Care Financial Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 383</td>
<td>Biostatistics in the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>MATH 183</td>
<td>Introductory Statistics</td>
<td></td>
</tr>
<tr>
<td>SOCL 300</td>
<td>Using Statistics in Sociology</td>
<td></td>
</tr>
<tr>
<td>AH/HIM 290</td>
<td>Medical Terminology</td>
<td>2</td>
</tr>
</tbody>
</table>
Select two 3-hour HCA electives with permission of advisor 6
Total Hours 64

Additional Courses
In addition to meeting the Colonnade requirements, students pursuing the health care administration curriculum must take the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 202</td>
<td>Principles of Economics (Micro)</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 203</td>
<td>Principles of Economics (Macro)</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3-6</td>
</tr>
<tr>
<td>BIOL 131</td>
<td>Human Anatomy and Physiology</td>
<td></td>
</tr>
<tr>
<td>PH 100 &amp; PH 381</td>
<td>Personal Health and Community Health</td>
<td></td>
</tr>
<tr>
<td>PH 384</td>
<td>Introduction to Epidemiology</td>
<td></td>
</tr>
</tbody>
</table>

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.

Finish in Four Plan

Health Care Administration, Minor (386)

Program Requirements (23 hours)
The minor in health care administration requires a minimum of 23 semester hours. This minor is compatible with various majors such as business, social and behavioral sciences, allied health, nursing, communication, journalism, public health, and etc.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCA 340</td>
<td>Health Care Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>HCA 344</td>
<td>Health Systems Management</td>
<td>3</td>
</tr>
<tr>
<td>HCA 440</td>
<td>Health Economics</td>
<td>3</td>
</tr>
<tr>
<td>HCA 441</td>
<td>Legal Aspects / Health Care</td>
<td>3</td>
</tr>
<tr>
<td>HCA 442</td>
<td>Principles and Methods of Health Planning</td>
<td>3</td>
</tr>
<tr>
<td>AH 290</td>
<td>Medical Terminology</td>
<td>2</td>
</tr>
<tr>
<td>HCA 345</td>
<td>Long-Term Care Administration</td>
<td>3</td>
</tr>
<tr>
<td>or HCA 346</td>
<td>Ambulatory Care Administration</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 23

In addition, students must complete MGT 210 and ECON 202, as prerequisites to the above required courses. All courses in the minor (including MGT 210 and ECON 202) must be completed with a minimum grade of "C." Students pursuing this minor must have approval from a health care administration advisor.

Health Education and Promotion, Certificate (1741)

Program Coordinator
Grace K. Larney, grace.larney@wku.edu, (270) 745-3941

This certificate program in Health Education and Promotion is designed to improve students’ skills in program design, implementation and evaluation in diverse settings. Graduates from the program may pursue employment opportunities such as community/public health educators, employee wellness managers, health coaches and community health workers.

Program Requirements (21 hours)
This 21 credit hour certificate program is designed to improve students’ skills in program design, implementation and evaluation in diverse settings.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 383</td>
<td>Biostatistics in the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>PH 384</td>
<td>Introduction to Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>PH 390</td>
<td>Wellness and Fitness Assessment</td>
<td>3</td>
</tr>
<tr>
<td>PH 402</td>
<td>Worksite Health Promotion</td>
<td>3</td>
</tr>
<tr>
<td>PH 483</td>
<td>Administration of Health Programs</td>
<td>3</td>
</tr>
<tr>
<td>PH 484</td>
<td>Community Organization for Health Education</td>
<td>3</td>
</tr>
<tr>
<td>PH 485</td>
<td>Methods in Community Health Education</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 21

Some required courses have prerequisites that help fulfill Colonnade requirements. These prerequisites include BIOL 131, HMD 211, MATH 109 or MATH 115 or higher and CPR certification.

Health Education, Minor (389)

Program Requirements (23 hours)
The minor in health education requires a minimum of 23 semester hours. This minor provides a basic foundation for students desiring preparation in health promotion and disease prevention. The minor in health education may be used in combination with many majors to enhance student’s career opportunities and as preparation for graduate study in a variety of health disciplines. Completion of the minor along with a teaching certifiable major leads to certification in health education.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 131</td>
<td>Human Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>SFTY 171</td>
<td>Safety and First Aid</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Hours 23
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 professional students with the introductory skills and knowledge needed for electronic health record 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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 261</td>
<td>Foundations of Health Education</td>
<td>3</td>
</tr>
<tr>
<td>PH 365</td>
<td>Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>PH 381</td>
<td>Community Health</td>
<td>3</td>
</tr>
<tr>
<td>PH 461</td>
<td>Comprehensive School Health Program</td>
<td>3</td>
</tr>
<tr>
<td>PH 467</td>
<td>Drug Abuse Education</td>
<td>3</td>
</tr>
<tr>
<td>PH 385</td>
<td>Environmental Health</td>
<td>3</td>
</tr>
<tr>
<td>PH 466</td>
<td>Independent Study in Health and Safety</td>
<td>3</td>
</tr>
<tr>
<td>PH 463</td>
<td>Consumer Health</td>
<td>3</td>
</tr>
<tr>
<td>PH 465</td>
<td>Health and Safety in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>HMD 211</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
</tbody>
</table>

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 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 of Science 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.

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.

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIM 100</td>
<td>Health Data Content and Structure</td>
<td>4</td>
</tr>
<tr>
<td>HIM 225</td>
<td>Legal Issues in Health Information Management</td>
<td>2</td>
</tr>
<tr>
<td>HIM 230</td>
<td>Computer Systems and Applications in Health Information Management</td>
<td>3</td>
</tr>
<tr>
<td>HIM 250</td>
<td>International Classification of Diseases (ICD) Coding</td>
<td>4</td>
</tr>
<tr>
<td>HIM 252</td>
<td>Healthcare Payment Systems</td>
<td>3</td>
</tr>
<tr>
<td>AH/HIM 290</td>
<td>Medical Terminology</td>
<td>2</td>
</tr>
<tr>
<td>HIM 291</td>
<td>Advanced Medical Terminology</td>
<td>2</td>
</tr>
<tr>
<td>HIM 292</td>
<td>Pharmacology and Laboratory Diagnostics</td>
<td>2</td>
</tr>
<tr>
<td>HIM 330</td>
<td>Electronic Health Record Systems</td>
<td>3</td>
</tr>
<tr>
<td>HIM 350</td>
<td>Health Informatics Research</td>
<td>3</td>
</tr>
<tr>
<td>HIM 351</td>
<td>International Classification of Diseases (ICD-10 Coding)</td>
<td>1</td>
</tr>
<tr>
<td>HIM 421</td>
<td>Health Information Leadership and Management</td>
<td>3</td>
</tr>
<tr>
<td>HIM 422</td>
<td>Clinical Evaluation and Outcomes</td>
<td>3</td>
</tr>
<tr>
<td>HIM 430</td>
<td>Health Data Management and Analytics</td>
<td>3</td>
</tr>
<tr>
<td>HIM 450</td>
<td>Application &amp; Analysis of Him Theory</td>
<td>3</td>
</tr>
<tr>
<td>HIM 495</td>
<td>Capstone Professional Practice Experience</td>
<td>3-6</td>
</tr>
<tr>
<td>HCA 340</td>
<td>Health Care Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>PH 383</td>
<td>Biostatistics in the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 145C or CIS 141</td>
<td>Introduction to Computing</td>
<td>3</td>
</tr>
<tr>
<td>CIS 243</td>
<td>Principles of MIS</td>
<td>3</td>
</tr>
<tr>
<td>or CS 157</td>
<td>Information Security I</td>
<td>3</td>
</tr>
<tr>
<td>CIT 350</td>
<td>Database Administration I</td>
<td>3</td>
</tr>
<tr>
<td>or BDAN 330</td>
<td>Structured Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 131</td>
<td>Human Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>Select 12 credit hours of the following:</td>
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</tbody>
</table>

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

**AHIMA 233 North Michigan Avenue, Suite 2150 Chicago, IL 60601-5800 (312) 233-1100 https://www.ahima.org

Finish in Four Plan


Health Sciences, Bachelor of Science (564)

Program Coordinator
Gary M. English, gary.english@wku.edu, (270) 745-2678

The major in Health Sciences, requires 59-66 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 associates degree who wish to continue their education.

Students pursuing the major are required to select one of the following concentrations: Preparatory Health Sciences, Health Services Leadership and Management, or an Associates Degree in a health field (approved by the health science advisor) for the Health Sciences Allied Health concentration. Students who transfer to WKU with an applied associate degree (e.g., Associate of Applied Science) from a health-related program receive a 12-hour waiver from the overall upper-level course requirement for the health science major. Students who transfer to
WKU with an applied associate degree from a health-related program will need 23 hours in the major upper-division hour requirement. WKU Associate Degreed students do not receive waivers in upper-division hour requirements for the major or degree.

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 (59-66 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.

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Health Sciences Core

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMD 211</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>PSY/PSYS 100 or PSY/PSYS 220</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 113</td>
<td>General Biology</td>
<td>3-4</td>
</tr>
<tr>
<td>BIOL 120 &amp; BIOL 121</td>
<td>Biological Concepts: Cells Metabolism and Genetics and Biological Concepts: Cells, Metabolism, and Genetics Lab</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 131</td>
<td>Human Anatomy and Physiology</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following:

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 105 &amp; CHEM 106</td>
<td>Fundamentals of General Chemistry and Fundamentals of General Chemistry Laboratory</td>
<td>3-4</td>
</tr>
<tr>
<td>CHEM 109</td>
<td>Chemistry for the Health Sciences</td>
<td></td>
</tr>
<tr>
<td>CHEM 116</td>
<td>Introduction to College Chemistry</td>
<td></td>
</tr>
<tr>
<td>PHYS course</td>
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<td></td>
</tr>
<tr>
<td>AH/HIM 290</td>
<td>Medical Terminology</td>
<td>2</td>
</tr>
</tbody>
</table>

Select one of the following:

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE 310</td>
<td>Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>PE 311</td>
<td>Exercise Physiology</td>
<td></td>
</tr>
<tr>
<td>PE 313</td>
<td>Motor Development</td>
<td></td>
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<tr>
<td>PH 390</td>
<td>Wellness and Fitness Assessment</td>
<td></td>
</tr>
<tr>
<td>PH 381</td>
<td>Community Health</td>
<td>3</td>
</tr>
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</table>

Select one of the following:

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<tr>
<td>PH 383</td>
<td>Biostatistics in the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 300</td>
<td>Using Statistics in Sociology</td>
<td></td>
</tr>
<tr>
<td>BIOL 382</td>
<td>Introductory Biostatistics</td>
<td></td>
</tr>
<tr>
<td>STAT 301</td>
<td>Introductory Probability and Applied Statistics</td>
<td></td>
</tr>
<tr>
<td>PSY/PSYS 313</td>
<td>Statistics in Psychology</td>
<td></td>
</tr>
<tr>
<td>MATH 183</td>
<td>Introductory Statistics</td>
<td></td>
</tr>
<tr>
<td>PH 384</td>
<td>Introduction to Epidemiology</td>
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Select one of the following:

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</thead>
<tbody>
<tr>
<td>PH 447</td>
<td>Human Values and the Health Sciences</td>
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</tr>
<tr>
<td>PHIL 322</td>
<td>Biomedical Ethics</td>
<td></td>
</tr>
<tr>
<td>PHIL 323</td>
<td>Social Ethics</td>
<td></td>
</tr>
<tr>
<td>MGT 305</td>
<td>Ethics and Critical Thinking</td>
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</tr>
<tr>
<td>SWRK 433</td>
<td>Ethical Issues and Dilemmas in Social Work</td>
<td></td>
</tr>
<tr>
<td>LEAD 330</td>
<td>Leadership Ethics and Decision-Making</td>
<td></td>
</tr>
<tr>
<td>HCA 340</td>
<td>Health Care Organization and Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCA 446 &amp; HCA 447</td>
<td>Health Care Informatics and Information Systems Laboratory</td>
<td>3-4</td>
</tr>
<tr>
<td>CIS 243</td>
<td>Principles of MIS</td>
<td></td>
</tr>
<tr>
<td>CIS 321</td>
<td>Emerging Information Technologies</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following:

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<tr>
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<td>Legal Issues in Health Information Management</td>
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<td>MGT 200</td>
<td>Legal Environment of Business</td>
<td></td>
</tr>
<tr>
<td>MGT 301</td>
<td>Business Law</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours: 37-41

One of the below-mentioned concentrations is required:

Preparatory Health Sciences Concentration

Select 24-27 hours of the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 120</td>
<td>Biological Concepts: Cells Metabolism and Genetics</td>
<td></td>
</tr>
<tr>
<td>BIOL 121</td>
<td>Biological Concepts: Cells, Metabolism, and Genetics Lab</td>
<td>1</td>
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<tr>
<td>BIOL 122 &amp; BIOL 123</td>
<td>Biological Concepts: Evolution, Diversity, and Ecology and Biological Concepts: Evolution, Diversity, and Ecology Lab</td>
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</tr>
<tr>
<td>BIOL 131</td>
<td>Human Anatomy and Physiology</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 207</td>
<td>General Microbiology</td>
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<tr>
<td>BIOL 208</td>
<td>General Microbiology Laboratory</td>
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<tr>
<td>BIOL 224</td>
<td>Animal Biology and Diversity</td>
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<tr>
<td>BIOL 225</td>
<td>Animal Biology and Diversity Lab</td>
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<tr>
<td>BIOL 231</td>
<td>Advanced Human Anatomy and Physiology</td>
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</tr>
<tr>
<td>BIOL 344</td>
<td>Biology of Aging</td>
<td></td>
</tr>
<tr>
<td>CHEM 107 &amp; CHEM 108</td>
<td>Fundamentals of Organic Chemistry Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHEM 116</td>
<td>Introduction to College Chemistry</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Title</td>
<td>Hours</td>
</tr>
<tr>
<td>------------</td>
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</tr>
<tr>
<td>CHEM 120</td>
<td>College Chemistry I and College Chemistry I Laboratory</td>
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<tr>
<td>&amp; CHEM 121</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 222</td>
<td>College Chemistry II and College Chemistry II Laboratory</td>
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</tr>
<tr>
<td>&amp; CHEM 223</td>
<td></td>
<td></td>
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<tr>
<td>CHEM 304</td>
<td>Biochemistry for the Health Sciences</td>
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<tr>
<td>CHEM 340</td>
<td>Organic Chemistry I and Organic Chemistry Laboratory I</td>
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<tr>
<td>&amp; CHEM 341</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 342</td>
<td>Organic Chemistry II and Organic Chemistry II Laboratory</td>
<td></td>
</tr>
<tr>
<td>&amp; CHEM 343</td>
<td></td>
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</tr>
<tr>
<td>Health Information Management:</td>
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<tr>
<td>HIM 291</td>
<td>Advanced Medical Terminology</td>
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<tr>
<td>HIM 292</td>
<td>Pharmacology and Laboratory Diagnostics</td>
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</tr>
<tr>
<td>Hospitality Management and Dietetics:</td>
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<tr>
<td>HMD 360</td>
<td>Advanced Nutrition</td>
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<tr>
<td>HMD 361</td>
<td>Life Stage Nutrition</td>
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<tr>
<td>Math:</td>
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<tr>
<td>MATH 117</td>
<td>Trigonometry</td>
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<tr>
<td>MATH 136</td>
<td>Calculus I</td>
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<tr>
<td>Psychological Sciences:</td>
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<tr>
<td>PSYS 160</td>
<td>Introduction to Biopsychology</td>
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<tr>
<td>Public Health:</td>
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<tr>
<td>PH 365</td>
<td>Human Sexuality</td>
<td></td>
</tr>
<tr>
<td>PH 464</td>
<td>Women's Health</td>
<td></td>
</tr>
<tr>
<td>PH 468</td>
<td>Sexuality Education</td>
<td></td>
</tr>
<tr>
<td>Physics:</td>
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<tr>
<td>PHYS 201</td>
<td>College Physics I ¹</td>
<td></td>
</tr>
<tr>
<td>PHYS 202</td>
<td>College Physics II ¹</td>
<td></td>
</tr>
<tr>
<td>PHYS 231</td>
<td>Introduction to Physics and Biophysics I and Laboratory for Physics and Biophysics I ¹</td>
<td></td>
</tr>
<tr>
<td>&amp; PHYS 232</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 233</td>
<td>Laboratory for Physics and Biophysics II and Introduction to Physics and Biophysics II ¹</td>
<td></td>
</tr>
<tr>
<td>&amp; PHYS 332</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 255</td>
<td>University Physics I and University Physics I Lab ¹</td>
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<tr>
<td>&amp; PHYS 256</td>
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<tr>
<td>Total Hours</td>
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<td>24-27</td>
</tr>
<tr>
<td>¹ Unduplicated.</td>
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</tbody>
</table>

### Health Services Leadership & Management Concentration

**Select 24-27 hours from the following:**

**Biology:**
- BIOL 344 Biology of Aging

**Counselor Education:**
- CNS 110 Human Relations
- CNS 432 Helping Skills

**Communication:**
- COMM 348 Interpersonal Communication
- COMM 440 Health 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 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 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

Sociology:
SOC 342  Aging in Society
SOC 440  Sociology of Health and Illness

Special Education:
SPED 200  The Culture of Disability

Social Work:
SWRK 101  Foundations of Human Services
SWRK 205  Introduction to Social Work
SWRK 330  Human Behavior in the Social Environment I
SWRK 326  Services for the Older American
SWRK 357  Case Management
SWRK 375  Social Work Practice I
SWRK 395  Social Welfare Policy and Issues
SWRK 437  Military Social Work

Other courses with advisor approval

Total Hours 24-27

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCA 345</td>
<td>Long-Term Care Administration</td>
<td>3</td>
</tr>
<tr>
<td>HCA 355</td>
<td>Nursing Facility Administration</td>
<td>3</td>
</tr>
<tr>
<td>HCA 353</td>
<td>Quality and Patient Safety in Long-Term Care</td>
<td>3</td>
</tr>
<tr>
<td>GER0 100</td>
<td>Introduction to the Aging Experience</td>
<td>3</td>
</tr>
<tr>
<td>PH 443</td>
<td>Health and Aging</td>
<td>3</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENV 120</td>
<td>Introduction to Occupational Safety and Health</td>
<td>3</td>
</tr>
<tr>
<td>ENV 221</td>
<td>Safety and Health Standards, Codes, and Regulations</td>
<td>3</td>
</tr>
<tr>
<td>ENV 321</td>
<td>Fundamentals of Industrial Hygiene</td>
<td>3</td>
</tr>
<tr>
<td>ENV 322</td>
<td>Physical Hazards Recognition and Control I</td>
<td>3</td>
</tr>
<tr>
<td>ENV 423</td>
<td>Safety Program Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Hours</td>
<td>15</td>
</tr>
</tbody>
</table>

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.

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 58 credit hours of coursework and 12 hours of electives for a total of 70 hours in the major.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 131</td>
<td>Human Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 207 &amp; BIOL 208</td>
<td>General Microbiology and General Microbiology Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 109</td>
<td>Chemistry for the Health Sciences</td>
<td>4</td>
</tr>
<tr>
<td>MATH 109</td>
<td>General Mathematics and Applied College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 115</td>
<td>Applied College Algebra</td>
<td></td>
</tr>
<tr>
<td>PH 100</td>
<td>Personal Health</td>
<td>3</td>
</tr>
<tr>
<td>SFTY 171</td>
<td>Safety and First Aid</td>
<td>1</td>
</tr>
<tr>
<td>PH 261</td>
<td>Foundations of Health Education</td>
<td>3</td>
</tr>
<tr>
<td>PH 381</td>
<td>Community Health</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

Select 12 hours of the following courses: 1

- BIOL 315 Ecology
- CHEM 314 Introductory Organic Chemistry
- CHEM 330 Quantitative Analysis
- ENV 280 Introduction to Environmental Health
- ENV 321 Fundamentals of Industrial Hygiene Laboratory
- ENV 323 Fundamentals of Industrial Hygiene
- ENV 360 Air Pollution Control
- ENV 411 Water Treatment Processes Laboratory
- ENV 430 Radiological Health
- 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
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
SOCL 260  Race and Ethnic Relations
STAT 330  Introduction to Statistical Software
SWRK 101  Foundations of Human Services

Total Hours 70

1  Six of these hours have to be upper division.

Requirements for Seeking Admission (reference number 521P)
24 hours including the following courses with an overall GPA of 2.0 or better:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 145</td>
<td>Fundamentals of Public Speaking and Communication</td>
<td>3</td>
</tr>
<tr>
<td>PH 100</td>
<td>Personal Health</td>
<td>3</td>
</tr>
<tr>
<td>PSY/PSYS 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY/PSYS 220</td>
<td>Introduction to Lifespan Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 100</td>
<td>Introductory Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 15 hours additional courses

Total Hours 24

Requirements for Admission (reference number 521)
30 hours including the above courses plus BIOL 131 and CHEM 109 with an overall GPA of 2.3 or better

Public Health, Certificate (1742)
Program Coordinator
Grace K. Lartey, grace.lartey@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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 100</td>
<td>Personal Health</td>
<td>3</td>
</tr>
<tr>
<td>PH 381</td>
<td>Community Health</td>
<td>3</td>
</tr>
<tr>
<td>PH 383</td>
<td>Biostatistics in the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>PH 384</td>
<td>Introduction to Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>PH 385</td>
<td>Environmental Health</td>
<td>3</td>
</tr>
<tr>
<td>PH 483</td>
<td>Administration of Health Programs</td>
<td>3</td>
</tr>
</tbody>
</table>

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
Cecilia M. Watkins, cecilia.watkins@wku.edu, (270) 745-4796

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>PE 100</td>
<td>Fundamentals of Physical Activity</td>
<td>3</td>
</tr>
<tr>
<td>ENV 120</td>
<td>Introduction to Occupational Safety and Health</td>
<td>3</td>
</tr>
<tr>
<td>HMD 211</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>PH 100</td>
<td>Personal Health</td>
<td>3</td>
</tr>
<tr>
<td>PH 261</td>
<td>Foundations of Health Education</td>
<td>3</td>
</tr>
<tr>
<td>PH 402</td>
<td>Worksite Health Promotion</td>
<td>3</td>
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</tr>
</tbody>
</table>

**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

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.

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. 291)

**Minor**
- Social Work, Minor (459) (p. 293)

**Faculty**

**Professor**

Amy C. Cappiccie PhD (Social Work), University of Louisville, 2006  
Wesley J. Gabbard PhD (Social Work), The University of Alabama, 2004  
James D. May EdD (Personnel Services, Higher Education), University of Memphis, 1990  
Saundra H. Starks EdD (Counseling & Personnel Services, Counseling Psychology), University of Louisville, 1999  
Dana J. Sullivan PhD (Social Work), University of Louisville, 2003

**Associate Professor**

Patricia L. Desrosiers PhD (Social Work), University of Louisville, 2009  
Simon P. Funge PhD (Social Welfare), University of California-Los Angeles, 2013  
Gayle M. Mallinger PhD (Social Work), University of Pitts Pittsburgh  
Camp, 2010  
Larry W. Owens EdD (Leadership Education), Spalding University, 2007

**Assistant Professor**

Austin G. Griffiths PhD, University of Kentucky, 2017  
Whitney R. Harper PhD (Human Devl and Family Studies), Michigan State University, 2015  
April L. Murphy PhD (Social Work), University of Louisville, 2012

**Lecturer**

Daniel A. Boamah MS (Social Work), University of Louisville, 2009

**Instructor I**

Allison Gibson MSSW (Social Work), University of Louisville, 2005  
Kelley M. McIntyre MSW (Social Work), Western Kentucky University, 2003  
Erin T. Warfel MSW (Social Work), Bryn Mawr College, 2001

**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. The following 24 hours are required for admission:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWRK 101</td>
<td>Foundations of Human Services</td>
<td>3</td>
</tr>
<tr>
<td>ENG 100</td>
<td>Introduction to College Writing</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following courses:</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 183</td>
<td>Introductory Statistics</td>
<td></td>
</tr>
<tr>
<td>SWRK 344</td>
<td>Social Work Statistics and Data Analysis</td>
<td></td>
</tr>
<tr>
<td>SOCL 300</td>
<td>Using Statistics in Sociology</td>
<td></td>
</tr>
<tr>
<td>PSY/PSYS 313</td>
<td>Statistics in Psychology</td>
<td></td>
</tr>
<tr>
<td>PH 383</td>
<td>Biostatistics in the Health Sciences</td>
<td></td>
</tr>
<tr>
<td>PS 110</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>ECON 150</td>
<td>Introduction to Economics</td>
<td></td>
</tr>
<tr>
<td>or ECON 202</td>
<td>Principles of Economics (Micro)</td>
<td></td>
</tr>
<tr>
<td>or ECON 203</td>
<td>Principles of Economics (Macro)</td>
<td></td>
</tr>
<tr>
<td>PSY/PSYS 100</td>
<td>Introduction to Psychology</td>
<td></td>
</tr>
<tr>
<td>or PSY/PSYS 220</td>
<td>Introduction to Lifespan Developmental Psychology</td>
<td></td>
</tr>
<tr>
<td>SOCL 100</td>
<td>Introductory Sociology</td>
<td>3</td>
</tr>
<tr>
<td>or AGRI 108</td>
<td>Rural Sociology</td>
<td></td>
</tr>
<tr>
<td>BIOL 113</td>
<td>General Biology</td>
<td>3</td>
</tr>
<tr>
<td>or BIOL 120</td>
<td>Biological Concepts: Cells Metabolism and Genetics</td>
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</tr>
<tr>
<td>or BIOL 131</td>
<td>Human Anatomy and Physiology</td>
<td></td>
</tr>
</tbody>
</table>

| 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.

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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWRK 101</td>
<td>Foundations of Human Services</td>
<td>3</td>
</tr>
<tr>
<td>SWRK 301</td>
<td>Social Work Practice for Diversity, Equity, and Inclusion</td>
<td>3</td>
</tr>
<tr>
<td>SWRK 330</td>
<td>Human Behavior in the Social Environment I</td>
<td>3</td>
</tr>
<tr>
<td>SWRK 345</td>
<td>Social Work Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>SWRK 357</td>
<td>Case Management</td>
<td>3</td>
</tr>
<tr>
<td>SWRK 375</td>
<td>Social Work Practice I</td>
<td>3</td>
</tr>
<tr>
<td>SWRK 378</td>
<td>Social Work Practice II</td>
<td>3</td>
</tr>
<tr>
<td>SWRK 379</td>
<td>Introduction to Social Work Communication Skills</td>
<td>3</td>
</tr>
<tr>
<td>SWRK 381</td>
<td>Social Work Practice III</td>
<td>3</td>
</tr>
<tr>
<td>SWRK 395</td>
<td>Social Welfare Policy and Issues</td>
<td>3</td>
</tr>
<tr>
<td>SWRK 480</td>
<td>Social Work Field Practicum I</td>
<td>3</td>
</tr>
<tr>
<td>SWRK 481</td>
<td>Social Work Field Seminar I</td>
<td>3</td>
</tr>
<tr>
<td>SWRK 482</td>
<td>Social Work Field Practicum II</td>
<td>3</td>
</tr>
<tr>
<td>SWRK 483</td>
<td>Social Work Field Seminar II</td>
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</table>

**Electives**

Select two of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWRK 270</td>
<td>Mental Health and Social Policy</td>
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</tr>
<tr>
<td>SWRK 300</td>
<td>Diversity and Social Welfare</td>
<td></td>
</tr>
<tr>
<td>SWRK 325</td>
<td>Social Work &amp; Women in Society</td>
<td></td>
</tr>
<tr>
<td>SWRK 326</td>
<td>Services for the Older American</td>
<td></td>
</tr>
<tr>
<td>SWRK 356</td>
<td>Services for Juvenile Offenders and Their Families</td>
<td></td>
</tr>
<tr>
<td>SWRK 433</td>
<td>Ethical Issues and Dilemmas in Social Work</td>
<td></td>
</tr>
<tr>
<td>SWRK 436</td>
<td>Services to Children</td>
<td></td>
</tr>
<tr>
<td>SWRK 437</td>
<td>Military Social Work</td>
<td></td>
</tr>
<tr>
<td>SWRK 450</td>
<td>Child Maltreatment</td>
<td></td>
</tr>
<tr>
<td>SWRK 451</td>
<td>Child Maltreatment Interventions</td>
<td></td>
</tr>
<tr>
<td>SWRK 490</td>
<td>Selected Topics in Social Work</td>
<td></td>
</tr>
<tr>
<td>SWRK 495</td>
<td>Directed Study</td>
<td></td>
</tr>
<tr>
<td>SWRK 496</td>
<td>Directed Study</td>
<td></td>
</tr>
</tbody>
</table>

Select six hours in consultation with advisor

Total Hours | 54

1 Approved by the advisor. Six hours of the electives must be in social work.

Finish in Four Plan
http://wku.edu/dreepaths/19-20/documents/chhs/social_work_594.pdf

Social Work, Minor (459)

Program Requirements (21 hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWRK 101</td>
<td>Foundations of Human Services</td>
<td>3</td>
</tr>
<tr>
<td>SWRK 300</td>
<td>Diversity and Social Welfare</td>
<td>3</td>
</tr>
<tr>
<td>SWRK 301</td>
<td>Social Work Practice for Diversity, Equity, and Inclusion</td>
<td>3</td>
</tr>
<tr>
<td>SWRK 330</td>
<td>Human Behavior in the Social Environment I</td>
<td>3</td>
</tr>
<tr>
<td>SWRK 357</td>
<td>Case Management</td>
<td>3</td>
</tr>
<tr>
<td>Select two social work electives in consultation with social work advisor</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>SWRK 270</td>
<td>Mental Health and Social Policy</td>
<td></td>
</tr>
<tr>
<td>SWRK 325</td>
<td>Social Work &amp; Women in Society</td>
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</tr>
<tr>
<td>SWRK 326</td>
<td>Services for the Older American</td>
<td></td>
</tr>
<tr>
<td>SWRK 356</td>
<td>Services for Juvenile Offenders and Their Families</td>
<td></td>
</tr>
<tr>
<td>SWRK 433</td>
<td>Ethical Issues and Dilemmas in Social Work</td>
<td></td>
</tr>
<tr>
<td>SWRK 436</td>
<td>Services to Children</td>
<td></td>
</tr>
<tr>
<td>SWRK 437</td>
<td>Military Social Work</td>
<td></td>
</tr>
<tr>
<td>SWRK 450</td>
<td>Child Maltreatment</td>
<td></td>
</tr>
<tr>
<td>SWRK 490</td>
<td>Selected Topics in Social Work</td>
<td></td>
</tr>
<tr>
<td>SWRK 495</td>
<td>Directed Study</td>
<td></td>
</tr>
<tr>
<td>SWRK 496</td>
<td>Directed Study</td>
<td></td>
</tr>
</tbody>
</table>

May choose one of these:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWRK 344</td>
<td>Social Work Statistics and Data Analysis</td>
</tr>
<tr>
<td>MATH 183</td>
<td>Introductory Statistics</td>
</tr>
<tr>
<td>SOCL 300</td>
<td>Using Statistics in Sociology</td>
</tr>
<tr>
<td>PSY/PSYS 313</td>
<td>Statistics in Psychology</td>
</tr>
<tr>
<td>PH 383</td>
<td>Biostatistics in the Health Sciences</td>
</tr>
</tbody>
</table>

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. Ron Ramsing, Director
Houchens Industries L.T. Smith Stadium East
Phone: (270) 745-3349; Fax: (270) 745-6043
Website: 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 director 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 department or visit the departmental webpage.

Degrees

- Exercise Science, Bachelor of Science (554P, 554) (p. 294)
- Physical Education, Bachelor of Science (587) (p. 297)
- Recreation Administration, Bachelor of Science (589) (p. 298)
- Sport Management, Bachelor of Science (572P, 572) (p. 300)

Minors

- Athletic Coaching, Minor (320) (p. 294)
- Facility and Event Management, Minor (367) (p. 295)
- Nonprofit Administration, Minor (422) (p. 295)
- Outdoor Experience Leadership, Minor (442) (p. 296)
- Tourism, Minor (445) (p. 301)

Faculty

Professor
Fred W. Gibson PhD (Educational Leadership & Organizational Development), University of Louisville, 2004
Thomas S. Lyons PhD (Human Performance), The University of Alabama, 2003
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
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 Physiol Clin Res Trac), University of Pitts Pittsburgh Camp, 2007
Tammie L. Stenger-Ramsey EdD (Applied Educational Studies), Oklahoma State University Main Campus, 2001
Paula A. Upright PhD (Educational Leadership & Organizational Development), University of Louisville, 2009

**Assistant Professor**
Kayla M. Baker PhD (Education), University of Central Florida, 2019
Francis T. Esslinger PhD (Kinesiology), University of Arkansas Main Campus, 2011
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
Thomas B. Stinnett PhD (Educational Leadership and Organizational Development), University of Louisville, 2013
Whitley J. Stone PhD (Health Sciences), Middle Tennessee State University, 2017
Rachel A. Tinius PhD (Movement Science), Washington University, 2015
Danilo V. Tolusso PhD (Human Performance), The University of Alabama, 2019

**Pedagogical Assistant Professor**
Sarah L. Herrick PhD (Physical Education), Springfield College, 2016

**Instructor I**
Tracy Lane MED (General Education), Auburn University at Montgomery, 1994
Terry L. Obee MS (Recreation and Sport Administration, Athletic Administration & Coaching), Western Kentucky University, 2012

**Athletic Coaching, Minor (320)**

**Program Requirements (24-27 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 24-27 semester hours. Students must maintain a “C” or better in each course in the minor.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE 211</td>
<td>Net / Wall and Target Sports</td>
<td>3</td>
</tr>
<tr>
<td>PE 212</td>
<td>Striking / Fielding and Invasion Sports</td>
<td>3</td>
</tr>
<tr>
<td>PE 310</td>
<td>Kinesiology</td>
<td>3</td>
</tr>
</tbody>
</table>

**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, and 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 120/121, MATH 116, PSY 100/101, or PSY 220/221 or PSY 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE 311</td>
<td>Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>PE 312</td>
<td>Basic Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>PE 390</td>
<td>Fitness / Wellness Applications</td>
<td>3</td>
</tr>
<tr>
<td>PE 497</td>
<td>Principles of Coaching</td>
<td>3</td>
</tr>
<tr>
<td>SPM 200</td>
<td>Introduction to Sport Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Students may select 3 optional elective hours from the following coaching courses:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE 340</td>
<td>Football Coaching</td>
<td>3</td>
</tr>
<tr>
<td>PE 341</td>
<td>Basketball Coaching</td>
<td>3</td>
</tr>
<tr>
<td>PE 342</td>
<td>Track and Field Coaching</td>
<td>3</td>
</tr>
<tr>
<td>PE 343</td>
<td>Baseball Coaching</td>
<td>3</td>
</tr>
</tbody>
</table>
average of 2.0 or better must be attained upon 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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/colonnade/colonnaderequirements.php.

Students must complete the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXS 122</td>
<td>Foundations of Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>EXS 223</td>
<td>Introduction to Exercise Science</td>
<td>3</td>
</tr>
<tr>
<td>EXS 296</td>
<td>Practicum in Exercise</td>
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</tr>
<tr>
<td>EXS 310</td>
<td>Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>EXS 311</td>
<td>Physiology of Exercise</td>
<td>3</td>
</tr>
<tr>
<td>EXS 312</td>
<td>Basic Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>EXS 313</td>
<td>Motor Learning and Control</td>
<td>3</td>
</tr>
<tr>
<td>EXS 324</td>
<td>Measurement and Evaluation in Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>EXS 325</td>
<td>Applied Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>EXS 412</td>
<td>Exercise Testing &amp; Prescription</td>
<td>4</td>
</tr>
<tr>
<td>EXS 420</td>
<td>Clinical Exercise Physiology</td>
<td>4</td>
</tr>
<tr>
<td>EXS 436</td>
<td>Principles of Strength and Conditioning</td>
<td>3</td>
</tr>
<tr>
<td>EXS 446</td>
<td>Biomechanics</td>
<td>4</td>
</tr>
<tr>
<td>EXS 455</td>
<td>Exercise and Aging</td>
<td>3</td>
</tr>
<tr>
<td>EXS 496</td>
<td>Internship in Exercise Science</td>
<td>6</td>
</tr>
<tr>
<td>or EXS 498</td>
<td>Capstone Research Experience in Exercise Science</td>
<td>6</td>
</tr>
<tr>
<td>HMD 211</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>SFTY 171</td>
<td>Safety and First Aid</td>
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<tr>
<td>Total Hours</td>
<td></td>
<td>55</td>
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</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 220</td>
<td>Understanding the Nonprofit Sector</td>
<td>3</td>
</tr>
<tr>
<td>MGT 333</td>
<td>Management of Nonprofit Organizations</td>
<td>3</td>
</tr>
<tr>
<td>or PS 340</td>
<td>Principals of Public Administration</td>
<td></td>
</tr>
<tr>
<td>ACCT 200</td>
<td>Introductory Accounting—Financial</td>
<td>3</td>
</tr>
<tr>
<td>REC 402</td>
<td>Fiscal Practices in Recreation</td>
<td>3</td>
</tr>
<tr>
<td>SPM 402</td>
<td>Fiscal Practices in Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>REC 404</td>
<td>Recreation Facility Management</td>
<td>3</td>
</tr>
<tr>
<td>REC 426</td>
<td>Facility Planning and Design</td>
<td>3</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 220</td>
<td>Understanding the Nonprofit Sector</td>
<td>3</td>
</tr>
<tr>
<td>MGT 333</td>
<td>Management of Nonprofit Organizations</td>
<td>3</td>
</tr>
<tr>
<td>or PS 340</td>
<td>Principals of Public Administration</td>
<td></td>
</tr>
<tr>
<td>ACCT 200</td>
<td>Introductory Accounting—Financial</td>
<td>3</td>
</tr>
<tr>
<td>REC 402</td>
<td>Fiscal Practices in Recreation</td>
<td>3</td>
</tr>
<tr>
<td>SPM 402</td>
<td>Fiscal Practices in Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>REC 404</td>
<td>Recreation Facility Management</td>
<td>3</td>
</tr>
<tr>
<td>REC 426</td>
<td>Facility Planning and Design</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 21
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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 300</td>
<td>Foundations of Outdoor Recreation</td>
<td>3</td>
</tr>
<tr>
<td>REC 332</td>
<td>Outdoor Education</td>
<td>3</td>
</tr>
</tbody>
</table>

Students must also complete 18 hours as follows:
6 hours from the following skill-development courses:
- REC 335 | Outdoor Skills-Land
- REC 337 | Outdoor Skills-Water
- REC 424 | Camp and Retreat Center Administration
- REC 434 | Resource Interpretation
- REC 439 | Challenge Course Facilitation

3 hours from the following planning courses:
- 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 I
- 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 for more information.
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.

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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/colonnade/colonnaderequirements.php.

### Physical Education Teacher Education Concentration (PETE)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 131</td>
<td>Human Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>or BIOL 113 &amp; BIOL 114</td>
<td>General Biology and General Biology Laboratory</td>
<td></td>
</tr>
<tr>
<td>LTCY 421</td>
<td>Content Area Reading in the Middle and Secondary Grades</td>
<td>3</td>
</tr>
<tr>
<td>SEC 478</td>
<td>Teaching Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>PETE 415</td>
<td>Field Experience in Physical Education II</td>
<td>2</td>
</tr>
<tr>
<td>EDU 250</td>
<td>Discover Teaching: Introduction to Teacher Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU 260</td>
<td>Classroom Assessment</td>
<td>3</td>
</tr>
<tr>
<td>EDU 350</td>
<td>Student Diversity and Differentiation</td>
<td>3</td>
</tr>
<tr>
<td>EDU 360</td>
<td>Behavior and Classroom Management in Education</td>
<td>3</td>
</tr>
<tr>
<td>PSY 310</td>
<td>Educational Psychology: Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>EDU 489</td>
<td>Student Teaching Seminar</td>
<td>3</td>
</tr>
<tr>
<td>ELED 490</td>
<td>Student Teaching</td>
<td>5</td>
</tr>
<tr>
<td>MGE 490</td>
<td>Student Teaching</td>
<td>5</td>
</tr>
<tr>
<td>or SEC 490</td>
<td>Student Teaching</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 40

### Physical Education Teacher Education with Health Education Teacher Education Concentration (PEHE)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMD 211</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>LTCY 421</td>
<td>Content Area Reading in the Middle and Secondary Grades</td>
<td>3</td>
</tr>
<tr>
<td>SEC 483</td>
<td>Teaching Health</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 78-97


Recreation Administration, Bachelor of Science (589)

Program Coordinator
Raymond A. Poff, raymond.poff@wku.edu, (270) 745-2498

The major in Recreation Administration prepares students for exciting recreation and experience industry 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 Recreation and Sport Services, Nonprofit Administration, Outdoor Recreation, Facility and Event Management, or Recreation and Tourism.

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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/colonnade/colonnaderequirements.php.

The major requires a minimum of 48 semester hours (36 core + 12 concentration) and leads to a Bachelor of Science degree.

Core Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 200</td>
<td>Recreation in Society</td>
<td>3</td>
</tr>
<tr>
<td>REC 302</td>
<td>Recreation Leadership</td>
<td>3</td>
</tr>
<tr>
<td>REC 306</td>
<td>Experience Planning and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>REC 320</td>
<td>Professional Development to Recreation</td>
<td>3</td>
</tr>
<tr>
<td>REC 328</td>
<td>Inclusive Recreation</td>
<td>3</td>
</tr>
<tr>
<td>REC 338</td>
<td>Parks, Recreation, and Quality of Life</td>
<td>3</td>
</tr>
<tr>
<td>REC 402</td>
<td>Fiscal Practices in Recreation</td>
<td>3</td>
</tr>
<tr>
<td>REC 406</td>
<td>Recreation Administration</td>
<td>3</td>
</tr>
<tr>
<td>REC 490</td>
<td>Internship in Recreation</td>
<td>12</td>
</tr>
</tbody>
</table>

Total Hours 36

Recreation and Sport Services Concentration

Select 12 hours of electives of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 220</td>
<td>Understanding the Nonprofit Sector</td>
<td></td>
</tr>
<tr>
<td>REC 222</td>
<td>Recreation Activity Facilitation</td>
<td></td>
</tr>
<tr>
<td>REC 235</td>
<td>Outdoor Recreation Activities</td>
<td></td>
</tr>
<tr>
<td>REC 330</td>
<td>Foundations of Outdoor Recreation</td>
<td></td>
</tr>
<tr>
<td>REC 332</td>
<td>Outdoor Education</td>
<td></td>
</tr>
<tr>
<td>REC 335</td>
<td>Outdoor Skills-Land</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 12
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 337</td>
<td>Outdoor Skills-Water</td>
<td></td>
</tr>
<tr>
<td>REC 404</td>
<td>Recreation Facility Management</td>
<td></td>
</tr>
<tr>
<td>REC 420</td>
<td>Recreation and Tourism</td>
<td></td>
</tr>
<tr>
<td>REC 422</td>
<td>Campus Recreation</td>
<td></td>
</tr>
<tr>
<td>REC 424</td>
<td>Camp and Retreat Center Administration</td>
<td></td>
</tr>
<tr>
<td>REC 426</td>
<td>Facility Planning and Design</td>
<td></td>
</tr>
<tr>
<td>REC 430</td>
<td>Recreation Resource Management</td>
<td></td>
</tr>
<tr>
<td>REC 434</td>
<td>Resource Interpretation</td>
<td></td>
</tr>
<tr>
<td>REC 435</td>
<td>Outdoor Experience Planning</td>
<td></td>
</tr>
<tr>
<td>REC 437</td>
<td>Outdoor Leadership Expedition</td>
<td></td>
</tr>
<tr>
<td>REC 439</td>
<td>Challenge Course Facilitation</td>
<td></td>
</tr>
<tr>
<td>REC 460</td>
<td>Grant Writing for Nonprofit Organizations</td>
<td></td>
</tr>
<tr>
<td>REC 480</td>
<td>Travel-Based Learning in Recreation and Tourism</td>
<td></td>
</tr>
<tr>
<td>REC 482</td>
<td>Recreation Workshop</td>
<td></td>
</tr>
<tr>
<td>REC 484</td>
<td>Advanced Studies in Recreation</td>
<td></td>
</tr>
<tr>
<td>REC 493</td>
<td>Recreation Practicum</td>
<td></td>
</tr>
<tr>
<td>SPM 200</td>
<td>Introduction to Sport Management</td>
<td></td>
</tr>
<tr>
<td>SPM 300</td>
<td>Public Policy in Sport</td>
<td></td>
</tr>
<tr>
<td>SPM 305</td>
<td>Sport Event Management</td>
<td></td>
</tr>
<tr>
<td>SPM 310</td>
<td>Sport Ethics and Moral Issues</td>
<td></td>
</tr>
<tr>
<td>SPM 315</td>
<td>Sport Communication</td>
<td></td>
</tr>
<tr>
<td>PE 122</td>
<td>Foundations of Kinesiology</td>
<td></td>
</tr>
<tr>
<td>PE 211</td>
<td>Net / Wall and Target Sports</td>
<td></td>
</tr>
<tr>
<td>PE 212</td>
<td>Striking / Fielding and Invasion Sports</td>
<td></td>
</tr>
<tr>
<td>PE 222</td>
<td>Fitness / Wellness Applications</td>
<td></td>
</tr>
<tr>
<td>PE 300</td>
<td>Outdoor Educational Activities</td>
<td></td>
</tr>
<tr>
<td>PE 319</td>
<td>Adapted Physical Education</td>
<td></td>
</tr>
<tr>
<td>PE 340</td>
<td>Football Coaching</td>
<td></td>
</tr>
<tr>
<td>PE 341</td>
<td>Basketball Coaching</td>
<td></td>
</tr>
<tr>
<td>PE 342</td>
<td>Track and Field Coaching</td>
<td></td>
</tr>
<tr>
<td>PE 343</td>
<td>Baseball Coaching</td>
<td></td>
</tr>
<tr>
<td>EXS 122</td>
<td>Foundations of Kinesiology</td>
<td></td>
</tr>
<tr>
<td>EXS 223</td>
<td>Introduction to Exercise Science</td>
<td></td>
</tr>
<tr>
<td>EXS 296</td>
<td>Practicum in Exercise</td>
<td></td>
</tr>
<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
<td></td>
</tr>
<tr>
<td>MGT 210</td>
<td>Organization and Management</td>
<td></td>
</tr>
<tr>
<td>ACCT 200</td>
<td>Introductory Accounting—Financial</td>
<td></td>
</tr>
</tbody>
</table>

Or, other courses approved by their Recreation Administration Advisor. At least 6 hours need to be selected from 400-level courses.

**Total Hours** 12

### Nonprofit Administration Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 220</td>
<td>Understanding the Nonprofit Sector</td>
<td>3</td>
</tr>
<tr>
<td>REC 460</td>
<td>Grant Writing for Nonprofit Organizations</td>
<td>3</td>
</tr>
<tr>
<td>MGT 333</td>
<td>Management of Nonprofit Organizations</td>
<td>3</td>
</tr>
<tr>
<td>or PS 340</td>
<td>Principals of Public Administration</td>
<td></td>
</tr>
</tbody>
</table>

Or, other courses approved by their Recreation Administration Advisor.

**Total Hours** 12

### Facility and Event Management Concentration

Select 3 hours from the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 404</td>
<td>Recreation Facility Management</td>
<td>3</td>
</tr>
<tr>
<td>REC 426</td>
<td>Facility Planning and Design</td>
<td></td>
</tr>
<tr>
<td>SPM 404</td>
<td>Sport Facility Management</td>
<td></td>
</tr>
</tbody>
</table>

Select 3 hours from the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMD 375</td>
<td>Meeting and Convention Management</td>
<td>3</td>
</tr>
<tr>
<td>SPM 305</td>
<td>Sport Event Management</td>
<td></td>
</tr>
</tbody>
</table>

Select 3 hours from the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
<td>3</td>
</tr>
<tr>
<td>MKT 331</td>
<td>Social Media Marketing</td>
<td></td>
</tr>
<tr>
<td>SPM 315</td>
<td>Sport Communication</td>
<td></td>
</tr>
<tr>
<td>SPM 450</td>
<td>Sport Law</td>
<td></td>
</tr>
</tbody>
</table>
Sport Management, Bachelor of Science (572P, 572)

Program Coordinator
Paula A. Upright, paula.upright@wku.edu, (270) 745-3004

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 (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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/colonnade/colonnaderequirements.php.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPM 200</td>
<td>Introduction to Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>SPM 290</td>
<td>Sport Management Seminar</td>
<td>3</td>
</tr>
<tr>
<td>SPM 310</td>
<td>Sport Ethics and Moral Issues</td>
<td>3</td>
</tr>
<tr>
<td>SPM 404</td>
<td>Sport Facility Management</td>
<td>3</td>
</tr>
<tr>
<td>SPM 402</td>
<td>Fiscal Practices in Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>SPM 450</td>
<td>Sport Law</td>
<td>3</td>
</tr>
<tr>
<td>SPM 452</td>
<td>Sport Leadership and Management</td>
<td>3</td>
</tr>
<tr>
<td>SPM 454</td>
<td>Sport Governance</td>
<td>3</td>
</tr>
<tr>
<td>SPM 490</td>
<td>Internship in Sport</td>
<td>12</td>
</tr>
<tr>
<td>COMM 145</td>
<td>Fundamentals of Public Speaking and Communication</td>
<td>3</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics (Micro)</td>
<td>3</td>
</tr>
<tr>
<td>MKT 220</td>
<td>Basic Marketing Concepts</td>
<td>3</td>
</tr>
<tr>
<td>MGT 210</td>
<td>Organization and Management</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electives</th>
<th>Select 15 hours of the following:</th>
<th>15</th>
</tr>
</thead>
<tbody>
<tr>
<td>PR 255</td>
<td>Fundamentals of Public Relations</td>
<td></td>
</tr>
<tr>
<td>REC 220</td>
<td>Understanding the Nonprofit Sector</td>
<td></td>
</tr>
<tr>
<td>REC 420</td>
<td>Recreation and Tourism</td>
<td></td>
</tr>
<tr>
<td>REC 422</td>
<td>Campus Recreation</td>
<td></td>
</tr>
<tr>
<td>REC 480</td>
<td>Travel-Based Learning in Recreation and Tourism</td>
<td></td>
</tr>
</tbody>
</table>
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**


### Tourism, Minor (445)

**Program Requirements (21 hours)**

The minor in tourism is an interdisciplinary program between Hospitality Management & Dietetics (HMD) and Recreation Administration (REC). The minor in tourism requires a minimum of 21 hours.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMD 271</td>
<td>Tourism Planning and Development</td>
<td>3</td>
</tr>
<tr>
<td>HMD 373</td>
<td>Hospitality and Tourism Marketing</td>
<td>3</td>
</tr>
<tr>
<td>REC 420</td>
<td>Recreation and Tourism</td>
<td>3</td>
</tr>
<tr>
<td>REC 480</td>
<td>Travel-Based Learning in Recreation and Tourism</td>
<td>3</td>
</tr>
<tr>
<td>or REC 493</td>
<td>Recreation Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 3 hours of the following: 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMD 151</td>
<td>Food Science</td>
<td></td>
</tr>
<tr>
<td>HMD 171</td>
<td>Introduction to Management in the Hospitality Industry</td>
<td></td>
</tr>
<tr>
<td>HMD 276</td>
<td>Lodging Operations</td>
<td></td>
</tr>
<tr>
<td>HMD 313</td>
<td>Practicum in Hospitality Management</td>
<td></td>
</tr>
<tr>
<td>HMD 375</td>
<td>Meeting and Convention Management</td>
<td></td>
</tr>
</tbody>
</table>

Select 3 hours of the following: 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 302</td>
<td>Recreation Leadership</td>
<td></td>
</tr>
<tr>
<td>REC 306</td>
<td>Experience Planning and Evaluation</td>
<td></td>
</tr>
<tr>
<td>REC 404</td>
<td>Recreation Facility Management</td>
<td></td>
</tr>
<tr>
<td>REC 426</td>
<td>Facility Planning and Design</td>
<td></td>
</tr>
</tbody>
</table>

### School of Nursing and Allied Health

**Director:** Dr. Mary Bennett

Health Sciences Complex, Office 2200

Phone: (270) 745-3391; Fax: (270)745-3392

Website: 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 or contact the program.
Program Accreditation
The Associate of Science in Nursing program is accredited by:
Accreditation Commission for Education in Nursing (ACEN)
3343 Peachtree Road NE, Suite 850
Atlanta, GA 30326
404.975.5000
http://www.acenursing.org

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.ccaccreditation.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 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.

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 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 for more information.

Degrees
- Dental Hygiene (Associate of Science) (226P, 226) (p. 303)
- Dental Hygiene, Bachelor of Science (524P, 524) (p. 304)
- Nursing, Associate of Science in Nursing (273P, 273) (p. 305)
- Nursing, Bachelor of Science in Nursing (586P, 586) (p. 306)

Faculty
Professor
Cathy H. Abell PhD (Educational Leadership & Organizational Development), University of Louisville, 2009
Mary P. Bennett DNS (Doctoral Nursing, Medical Nursing), Rush University, 1997
Crisa L. Briggs EdD (Instructional Technology/Education Studies, Instructional Technology), University of Tennessee, Knoxville, 2004
Maria E. Main DNP (Nursing Practice), University of Kentucky, 2010
Lizbeth P. Sturgeon PhD (Nursing), University of Kentucky, 2012
Dawn G. Wright PhD (Nursing Science), Vanderbilt University, 2008

Associate Professor
Lori J. Alexander DNP (Nursing Practice), Western Kentucky University, 2016
Tonya M. Bragg-Underwood DNP (Nursing Practice, MSN to DNP), Western Kentucky University, 2014
Mary L. Branstetter DNP (Nursing Practice, Post Master Science in Nursing), University of Kentucky, 2011
Barbara C. Bush MSED (Clinical and College Teaching), University of Kentucky, 1986
Terry R. Dean DMD (Dentistry), University of Louisville, 1990
Carol W. Evans MSN, University of Southern Indiana, 2009
Joseph W. Evans DDS (Dentistry), Meharry Medical College, 2003
Mary K. Green MSN, Vanderbilt University, 2000
Kimberly W. Harris MSN (Nursing), Bellarmine University, 1994
Sonya L. House EdD (Education Leadership), Western Kentucky University, 2013
Sherry M. Lovan PhD (Educational Leadership and Organizational Development), University of Louisville, 2009
Lora W. Moore DNP (Nursing Practice), Western Kentucky University, 2015

**Assistant Professor**

Maire M. Blankenship DNP, Western Kentucky University, 2014
Elizabeth A. Groves DNP (Nursing Practice), Western Kentucky University, 2019
Kara S. Haughtigan DNP (Nursing Practice), Western Kentucky University, 2016
Kimberly A. Link DNP, Western Kentucky University, 2016
Marian R. Smith DNP (Advanced Practice), University of Southern Indiana, 2012
Melissa K. Travelsted DNP (Nursing Practice), Western Kentucky University, 2014
Kim Y. Vickous EdD (Educational Leadership, Organizational Leadership), Western Kentucky University, 2015

**Clinical Assistant Professor**

Mark W. Flener MSN (Nursing, Nursing Educator), Gonzaga University, 2016

**Clinical Associate Professor**

Audrey S. Cornell PhD (Educational Leadership and Organizational Development), University of Louisville, 2010
Lori K. Fox MSN (Nursing), Western Kentucky University, 2001
Neena W. Jones MSN (Nursing, Education), Walden University, 2008

**Instructor I**

Kimberly M. Bourne MSN (Nursing (RN to BSN)), Western Kentucky University, 2012
William S. Cole MSN (Nursing, Nursing Educator), Western Kentucky University, 2010
Synthia L. Frank MSN (Nursing), Western Kentucky University, 2018
Tracy L. Jenkins MSNED (Nursing), Aquinas College, 2014
Leanna Miller DNP (Nursing Practice), Western Kentucky University, 2016
Miranda D. Peterson DNP (Nursing Practice), Northern Kentucky University, 2016
Rhonda B. Quenzer MSN (Nursing, Nursing Educator), Western Kentucky University, 2014
Dianna L. Ransdell MAE (Adult Education), Western Kentucky University, 2014
Talitha W. Richards MSN (Nursing, Nurse Educator), Western Kentucky University, 2015
Heather J. Scarborough MS (Nursing), Western Kentucky University, 2013
Kelly A. Watson MSN (Nursing), Western Kentucky University, 2016
Lindsay S. Wheat MSN (Nursing, Nursing Educator), Western Kentucky University, 2014
Diana Wooden DNP, Western Kentucky University, 2018

**Instructor II**

Christy DeHay MSN, University of Missouri - Kansas City, 2013
Chandra C. Ellis-Griffith MSN (Nursing), University of Alabama at Birmingham, 2011
Deanna L. Hanson MSN (Nursing), Western Kentucky University, 2005
Wendi J. Hulse MDH (Dental Hygiene), University of Tennessee, Memphis, 2010

Vickie L. Shoumake MSN (Nursing, Nurse Educator), Western Kentucky University, 2011

**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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 131</td>
<td>Human Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 207</td>
<td>General Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 208</td>
<td>General Microbiology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>ENG 100</td>
<td>Introduction to College Writing</td>
<td>3</td>
</tr>
<tr>
<td>PSY/PSYS 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td>14</td>
</tr>
</tbody>
</table>
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.

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.

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DH 201</td>
<td>Dental Radiology I</td>
<td>2</td>
</tr>
<tr>
<td>DH 204</td>
<td>Periodontics</td>
<td>3</td>
</tr>
<tr>
<td>DH 206</td>
<td>Dental Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>DH 210</td>
<td>Dental Materials and Expanded Functions in Restorative Dentistry I</td>
<td>2</td>
</tr>
<tr>
<td>DH 212</td>
<td>Oral Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>DH 222</td>
<td>Preventive Dental Hygiene Care</td>
<td>2</td>
</tr>
<tr>
<td>DH 226</td>
<td>Dental Materials and Expanded Functions in Restorative Dentistry II</td>
<td>2</td>
</tr>
<tr>
<td>DH 230</td>
<td>Oral Histology and Embryology</td>
<td>3</td>
</tr>
<tr>
<td>DH 270</td>
<td>Pre-Clinical Dental Hygiene</td>
<td>3</td>
</tr>
<tr>
<td>DH 271</td>
<td>Clinical Dental Hygiene I</td>
<td>4</td>
</tr>
<tr>
<td>DH 302</td>
<td>Dental Radiology II</td>
<td>2</td>
</tr>
<tr>
<td>DH 303</td>
<td>Community Dental Health</td>
<td>4</td>
</tr>
<tr>
<td>DH 304</td>
<td>Advanced Periodontology</td>
<td>4</td>
</tr>
<tr>
<td>DH 307</td>
<td>General and Oral Pathology</td>
<td>3</td>
</tr>
<tr>
<td>DH 309</td>
<td>Pain Control in Dentistry</td>
<td>4</td>
</tr>
<tr>
<td>DH 323</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>DH 324</td>
<td>Practice Management and Ethics</td>
<td>3</td>
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<tr>
<td>DH 370</td>
<td>Clinical Dental Hygiene II</td>
<td>5</td>
</tr>
<tr>
<td>DH 371</td>
<td>Clinical Dental Hygiene III</td>
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Additional Courses for both tracks

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<tbody>
<tr>
<td>COMM 145</td>
<td>Fundamentals of Public Speaking and Communication</td>
<td>3</td>
</tr>
<tr>
<td>HMD 211</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 100</td>
<td>Introductory Sociology</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 109</td>
<td>Chemistry for the Health Sciences</td>
<td>4</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>13</td>
</tr>
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</table>

Education Track

<table>
<thead>
<tr>
<th>Code</th>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>FACS 381</td>
<td>Methods and Materials in Family and Consumer Sciences Education</td>
<td>3</td>
</tr>
<tr>
<td>DH 330</td>
<td>Clinical Teaching I</td>
<td>4</td>
</tr>
<tr>
<td>DH 340</td>
<td>Clinical Teaching II</td>
<td>4</td>
</tr>
<tr>
<td>DH 350</td>
<td>Clinical Teaching III</td>
<td>4</td>
</tr>
<tr>
<td>PH 383</td>
<td>Biostatistics in the Health Sciences</td>
<td>3</td>
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<td>Total Hours</td>
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Without Education Track

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CHEM 304</td>
<td>Biochemistry for the Health Sciences</td>
<td></td>
</tr>
<tr>
<td>COMM 330</td>
<td>Leadership Communication</td>
<td></td>
</tr>
<tr>
<td>COMM 345</td>
<td>Advanced Public Speaking</td>
<td></td>
</tr>
<tr>
<td>COMM 346</td>
<td>Persuasion</td>
<td></td>
</tr>
<tr>
<td>COMM 348</td>
<td>Interpersonal Communication</td>
<td></td>
</tr>
<tr>
<td>COMM 349</td>
<td>Small Group Communication</td>
<td></td>
</tr>
<tr>
<td>COMM 362</td>
<td>Organizational Communication</td>
<td></td>
</tr>
<tr>
<td>COMM 374</td>
<td>Gender Communication</td>
<td></td>
</tr>
<tr>
<td>HCA 340</td>
<td>Health Care Organization and Management</td>
<td></td>
</tr>
<tr>
<td>HCA 347</td>
<td>International Comparisons of Health Care Systems</td>
<td></td>
</tr>
<tr>
<td>PH 381</td>
<td>Community Health</td>
<td></td>
</tr>
<tr>
<td>PH 383</td>
<td>Biostatistics in the Health Sciences</td>
<td></td>
</tr>
<tr>
<td>PH 384</td>
<td>Introduction to Epidemiology</td>
<td></td>
</tr>
<tr>
<td>PH 462</td>
<td>Folklore and Medicine</td>
<td></td>
</tr>
<tr>
<td>PH 464</td>
<td>Women's Health</td>
<td></td>
</tr>
<tr>
<td>PH 484</td>
<td>Community Organization for Health Education</td>
<td></td>
</tr>
<tr>
<td>PSY 310</td>
<td>Educational Psychology Development and Learning</td>
<td></td>
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<tr>
<td>PSY/PSYS 350</td>
<td>Social Psychology</td>
<td></td>
</tr>
<tr>
<td>SOCL 342</td>
<td>Aging in Society</td>
<td></td>
</tr>
<tr>
<td>SOCL 352</td>
<td>Technology, Work and Society</td>
<td></td>
</tr>
<tr>
<td>SOCL 375</td>
<td>Diversity in American Society</td>
<td></td>
</tr>
<tr>
<td>SOCL 450</td>
<td>Occupations and Professions</td>
<td></td>
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<tr>
<td>Total Hours</td>
<td></td>
<td>6-7</td>
</tr>
</tbody>
</table>

Finish in Four Plan

| Without Education Track: | http://wku.edu/degereaths/19-20/documents/chhs/dental_hygiene_noneducation_524.pdf |

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 various delivery methods, scheduling options, challenge exams and experiential credit. 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. Take the required admission assessment test.
4. Participate in an admission interview process if requested.
5. Applicants with less than 10 earned university credit hours must submit ACT examination results.
6. Applicants with 10 or more earned university credit hours must have a cumulative grade point average of 2.75 or greater. Grade point average for the applicant with either an earned bachelor's degree or higher will be calculated using only the ASN program's required non-nursing courses.
7. 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.
8. Submit copy of current LPN license.

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 submit proof of current LPN license to the LPN to ASN Program Coordinator for the awarding of nine 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 experiential credit 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 104</td>
<td>Calculations for Nursing</td>
<td>1</td>
</tr>
<tr>
<td>NUR 105</td>
<td>Fundamentals of Nursing</td>
<td>6</td>
</tr>
<tr>
<td>NUR 106</td>
<td>Fundamentals of Nursing Clinical</td>
<td>1</td>
</tr>
<tr>
<td>NUR 150</td>
<td>LPN to RN Transition</td>
<td>1</td>
</tr>
<tr>
<td>NUR 155</td>
<td>Medical-Surgical Nursing I</td>
<td>6</td>
</tr>
<tr>
<td>NUR 156</td>
<td>Medical-Surgical Nursing I Clinical</td>
<td>2</td>
</tr>
<tr>
<td>NUR 157</td>
<td>Medical-Surgical Nursing I Skills Lab</td>
<td>1</td>
</tr>
<tr>
<td>NUR 165</td>
<td>Mental Health Nursing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Nursing, Bachelor of Science in Nursing (586P, 586)**

**Program Coordinator**
Sherry M. Lovan, sherry.lovan@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, BIOL 208, 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 entering 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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 115</td>
<td>Applied College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 116</td>
<td>College Algebra</td>
<td></td>
</tr>
<tr>
<td>BIOL 131</td>
<td>Human Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 231</td>
<td>Advanced Human Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>PSY/PSYS 220</td>
<td>Introduction to Lifespan Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>NURS 324</td>
<td>Pathophysiology for Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 102</td>
<td>Introduction to Professional Nursing</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 109</td>
<td>Chemistry for the Health Sciences</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 207</td>
<td>General Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 208</td>
<td>General Microbiology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>HMD 211</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
</tbody>
</table>

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
- 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/BIOL 208, CHEM 109, MATH 115 or MATH 116, and the selected Statistics course (ECON 206, MATH 183, PH 383, PSY 313/PSYS 313, SOCL 300 or SWRK 344).

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 prediscussion 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 compete 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.

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: 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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 329</td>
<td>Concepts in Pharmacology I</td>
<td>2</td>
</tr>
<tr>
<td>NURS 333</td>
<td>Fundamentals of Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 334</td>
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<td>2</td>
</tr>
<tr>
<td>NURS 335</td>
<td>Health Assessment</td>
<td>3</td>
</tr>
<tr>
<td>NURS 336</td>
<td>Health Assessment Lab</td>
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</tr>
<tr>
<td>NURS 337</td>
<td>Health Promotion and Disease Prevention</td>
<td>3</td>
</tr>
<tr>
<td>NURS 341</td>
<td>Medical-Surgical Nursing I</td>
<td>3</td>
</tr>
<tr>
<td>NURS 342</td>
<td>Clinical: Medical Surgical Nursing I</td>
<td>3</td>
</tr>
<tr>
<td>NURS 343</td>
<td>Mental Health Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 344</td>
<td>Clinical: Mental Health Nursing</td>
<td>1</td>
</tr>
<tr>
<td>NURS 403</td>
<td>Nursing Leadership, Management, and Professional Issues</td>
<td>4</td>
</tr>
<tr>
<td>NURS 413</td>
<td>Nursing Research and Evidence-Based Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 421</td>
<td>High Acuity Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 422</td>
<td>Senior Practicum</td>
<td>4</td>
</tr>
<tr>
<td>NURS 429</td>
<td>Concepts in Pharmacology II</td>
<td>2</td>
</tr>
<tr>
<td>NURS 432</td>
<td>Medical-Surgical Nursing II</td>
<td>3</td>
</tr>
<tr>
<td>NURS 433</td>
<td>Clinical: Medical-Surgical Nursing II</td>
<td>3</td>
</tr>
<tr>
<td>NURS 444</td>
<td>Maternal Child Nursing</td>
<td>4</td>
</tr>
<tr>
<td>NURS 445</td>
<td>Clinical: Maternal Child Nursing</td>
<td>2</td>
</tr>
<tr>
<td>NURS 448</td>
<td>Community Health Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 449</td>
<td>Clinical: Community Health Nursing</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>57</strong></td>
</tr>
</tbody>
</table>

**Finish in Four Plan**


(http://wku.edu/degreepaths/19-20/documents/chhs/nursing_586.pdf)
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-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

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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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

Accounting (ACCT)

ACCT 200  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 MA 109C or MA 116C or MATH 117 or MA 117C or MATH 123 or MATH 136 or MATH 119 or MATH 109 or MATH 118 or MATH 120 or MATH 116E or Calculus AB with a score of 3 or Calculus BC with a score of 3 or MATH 115 or MA 115C)
Equivalent(s): ACC 200C
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

ACCT 201  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)
Equivalent(s): ACC 201C
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 200 with a minimum grade of B or ACC 200C with a minimum grade of B) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 201 with a minimum grade of B and ACCT 300 with a minimum grade of C and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

ACCT 302  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 and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
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 200 with a minimum grade of B or ACCT 200C with a minimum grade of B) and (ACCT 201 with a minimum grade of B or ACCT 201C with a minimum grade of B) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 (CIS 243 or CIS 343) and COBA Course Eligibility with a score of 2
Restriction(s): Enrollment is limited to students in Accounting (602)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

ACCT 330 Tax Planning for Investments 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 330 and COBA Course Eligibility with a score of 2
Restriction(s): Students cannot enroll who are in Accounting (602) or Accounting (Seeking Adm) (602P)
Equivalent(s): FIN 333
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019; fall 2019

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: spring 2017; summer 2017; spring 2018; summer 2019

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 and COBA Course Eligibility with a score of 2
Restriction(s): Enrollment is limited to students in Accounting (602)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 and COBA Course Eligibility with a score of 2
Restriction(s): Enrollment is limited to students in Accounting (602)
Recent Term(s) Offered: spring 2017

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 and COBA Course Eligibility with a score of 2
Restriction(s): Enrollment is limited to students in Accounting (602)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 and COBA Course Eligibility with a score of 2
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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 and COBA Course Eligibility with a score of 2
Restriction(s): Enrollment is limited to students in Accounting (602)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 and COBA Course Eligibility with a score of 2
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 and COBA Course Eligibility with a score of 2
Restriction(s): Enrollment is limited to students in Accounting (602)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 and COBA Course Eligibility with a score of 2
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.
Prerequisite(s): COBA Course Eligibility with a score of 2
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).
Prerequisite(s): COBA Course Eligibility with a score of 2
Restriction(s): Enrollment limited to students with a semester level of Post-Baccalaureate-Degree Seek or Senior.
Enrollment is limited to students in Accounting (602)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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): SJB 210
Course Fee: $40
Recent Term(s) Offered: fall 2018; spring 2019; summer 2019; fall 2019

Ad 240  Advertising in a Digital World  3 Hours
Introduction to practical and creative aspects of designing and preparing materials for print media. This computer-aided course includes design, layout and typography for preparing newspaper, magazine, advertising and promotional publications materials for various print processes.
Colonnade K-LG
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: $75
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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: $75
Recent Term(s) Offered: fall 2018; spring 2019; fall 2019

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 PR 301 with a minimum grade of C or SOCL 302 with a minimum grade of C)
Course Fee: $75
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 PR 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)
Course Fee: $75
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019
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: $75
Recent Term(s) Offered: None

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: $75
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 consistent 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.

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: fall 2018; spring 2019; summer 2019; fall 2019

Aerospace (AERO)

AERO 151  The U S Air Force Today  1 Hour
Freshman year. A survey course designed to introduce students to the United States Air Force and Air Force Reserve Officer Training Corps. Featured topics include: mission and organization of the Air Force, officer and professionalism, military customs and courtesies, Air Force officer opportunities, group leadership problems, and an introduction to communication skills.
Recent Term(s) Offered: None

AERO 152  Leadership Laboratory  1 Hour
No course description is available
Recent Term(s) Offered: None

AERO 153  The U S Air Force Today  1 Hour
Freshman year. A survey course designed to introduce students to the United States Air Force and Air Force Reserve Officer Training Corps. Featured topics include: mission and organization of the Air Force, officer and professionalism, military customs and courtesies, Air Force officer opportunities, group leadership problems, and an introduction to communication skills.
Recent Term(s) Offered: None

AERO 154  Leadership Laboratory  1 Hour
No course description is available
Recent Term(s) Offered: None

AERO 251  The Development of Air Power  1 Hour
Sophomore year. This course examines the development of air power over the past 80 years. It traces the evolution of various concepts of air power employment and focuses upon tactics that have promoted research and technological change. A variety of events and elements in the history of air power are stressed, particularly where these events provide a significant example of the impacts of air power on strategic and tactical thought.
Recent Term(s) Offered: None

AERO 252  Leadership Laboratory  1 Hour
No course description is available
Recent Term(s) Offered: None

AERO 253  The Development of Air Power  1 Hour
Sophomore year. This course examines the development of air power over the past 80 years. It traces the evolution of various concepts of air power employment and focuses upon tactics that have promoted research and technological change. A variety of events and elements in the history of air power are stressed, particularly where these events provide a significant example of the impacts of air power on strategic and tactical thought.
Recent Term(s) Offered: None

AERO 254  Leadership Laboratory  1 Hour
No course description is available
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  Air Force Leadership and Management-the Professional Officer  3 Hours
Junior year. These courses are designed to further develop the student's managerial and leadership abilities. Emphasis is placed on group discussions, seminars, writing and speaking assignments, and appropriate lectures. A detailed examination of the meanings of professionalism and integrity are discussed and exercised through practical experiences. Courses include problem solving exercises and theories of leadership and management.
Recent Term(s) Offered: None

AERO 352  Leadership Laboratory  1 Hour
No course description is available
Recent Term(s) Offered: None
AERO 354  Leadership Laboratory  1 Hour
No course description is available
Recent Term(s) Offered: None

AERO 452  Leadership Laboratory  1 Hour
No course description is available
Recent Term(s) Offered: None

AERO 353  National Security Affairs / Preparation for Active Duty  3 Hours
Senior year. These courses are designed to improve the cadet’s ability to speak and write with stylistic accuracy, clarity and dignity. They focus on the Armed Forces as an integral element of society and include an examination of the broad range of American civil-military relations and the environmental context in which defense policy is formulated. Special themes include the role of the professional officer in a democratic society, socialization process within the armed services, requisites for maintaining adequate national security forces, political, economic, and social constraints upon the national defense structure, and the impact of technological and international developments upon strategic preparedness and the overall defense policy-making process.
Recent Term(s) Offered: None

AERO 453  National Security Affairs / Preparation for Active Duty  3 Hours
Senior year. These courses are designed to improve the cadet’s ability to speak and write with stylistic accuracy, clarity and dignity. They focus on the Armed Forces as an integral element of society and include an examination of the broad range of American civil-military relations and the environmental context in which defense policy is formulated. Special themes include the role of the professional officer in a democratic society, socialization process within the armed services, requisites for maintaining adequate national security forces, political, economic, and social constraints upon the national defense structure, and the impact of technological and international developments upon strategic preparedness and the overall defense policy-making process.
Recent Term(s) Offered: None

AERO 454  Leadership Laboratory  1 Hour
No course description is available
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 E-SB | SB
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019
Prerequisite(s): AFAM 190
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.
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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: fall 2017; spring 2018; summer 2018; fall 2018; fall 2019

AFAM 350  Peoples and Cultures of Africa  3 Hours
Survey of the cultures of Africa, with emphasis on historical development and contemporary cultural diversity.
Recent Term(s) Offered: None
Equivalent(s): ANTH 350, FLK 350

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: None

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.
Recent Term(s) Offered: None
Equivalent(s): HIST 358

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.
Recent Term(s) Offered: None
Equivalent(s): HIST 359

AFAM 360  History of Africa  3 Hours
A survey of the history of sub-Saharan Africa from the earliest times to the present.
Recent Term(s) Offered: None
Equivalent(s): HIST 360
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: None

AFAM 393  African American Literature  3 Hours
Study of literature by African American writers.
Prerequisite(s): (ENG 200 or ENGL 200C or RELS 200)
Equivalent(s): ENG 393
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

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: spring 2017

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 2017; summer 2017; spring 2018; summer 2019

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: fall 2017; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

AGEC 250  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: fall 2018

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 2017; fall 2018; fall 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; summer 2019; fall 2019

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.
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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)
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

AGEC 365  Computer Applications in Agriculture  2 Hours
Instruction in the use of microcomputers in agriculture. Included will be word processing, spreadsheets, data files, presentations, and other software used in agriculture. Note: Permission of instructor may be required.
Prerequisite(s): CSCI 145C
Recent Term(s) Offered: None
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 2017; spring 2018; spring 2019

AGEC 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): (AGEC 160 or ECON 150 or ECON 202 or ECON 203)
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

AGEC 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 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: spring 2017; spring 2018; spring 2019; summer 2019

AGEC 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: fall 2017; fall 2018; fall 2019

AGEC 482  Development of Agricultural Resources for Recreation  3 Hours
Principles in developing physical facilities for various rural recreational enterprises are studied. Topics include enterprise selection, program planning, site selection, promotion financing, management and construction of facilities. Note: Upper division hours or 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 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; spring 2018; spring 2019

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 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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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.
Corequisite(s): (AGMC 170 or EDU 250) and SPED 330 and AGRI 398 and PSY 310
Course Fee: $100
Recent Term(s) Offered: fall 2017; spring 2018; spring 2019

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: spring 2017; spring 2018

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 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; fall 2019

AGMC 173 Lawn and Garden Equipment Laboratory 1 Hour
A laboratory course correlated with AGMC 172.
Corequisite(s): AGMC 173
Recent Term(s) Offered: spring 2017; fall 2019

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: spring 2017; fall 2017; winter 2018; spring 2018; fall 2018; winter 2019; spring 2019; fall 2019

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: spring 2017; spring 2019

AGMC 271 Turf Mowing Equipment Maintenance Laboratory 1 Hour
A laboratory course correlated with AGMC 270.
Corequisite(s): AGMC 270
Recent Term(s) Offered: spring 2017; spring 2019

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 2017; spring 2019

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 2017; spring 2019

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 2018; fall 2018; spring 2019; fall 2019

AGMC 371 Agricultural Mechanics 2 Hours
The major focus of this course will be metal work, welding and basic metallurgy.
Corequisite(s): AGMC 372
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

AGMC 372 Agricultural Mechanics Laboratory 1 Hour
A laboratory course correlated with AGMC 371.
Corequisite(s): AGMC 371
Course Fee: $125
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2019

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 2019
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 2018

AGMC 378 Farm Machinery Laboratory 1 Hour
A laboratory course correlated with AGMC 377.
Corequisite(s): AGMC 377
Recent Term(s) Offered: spring 2018

AGMC 390 Farm Structures and Environment 2 Hours
The basic concepts of structural and environmental problems as they
relate to agricultural buildings, analysis of materials and their selection
for agriculture buildings are presented. Design of light-framed structures
and the use of environmental controls in livestock and product storage
buildings, building codes and their effects on farm structures are
reviewed. Field trips as needed. Note: Permission of instructor may be
required.
Prerequisite(s): AGMC 170 and AGMC 371
Corequisite(s): AGMC 391
Recent Term(s) Offered: None

AGMC 391 Farm Structures and Environment Laboratory 1 Hour
A laboratory course correlated with AGMC 390.
Corequisite(s): AGMC 390
Recent Term(s) Offered: None

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 MA 115C or (MATH 115 and AGRO 110)
Corequisite(s): AGMC 393
Recent Term(s) Offered: fall 2017; fall 2019

AGMC 393 Turf Irrigation Laboratory 1 Hour
A laboratory course correlated with AGMC 392.
Corequisite(s): AGMC 392
Recent Term(s) Offered: fall 2017; fall 2019

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 2018

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: spring 2017; fall 2017

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 NS
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018

AGRI 102 Freshman Seminar in Agriculture 1 Hour
No course description is available
Recent Term(s) Offered: None

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 E-
SB | SB
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017;
winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019;
summer 2019; fall 2019

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 2017; fall 2018; fall 2019

AGRI 269 Cooperative Education in Agriculture I 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.
Restriction(s): Students with a semester level of Freshman may not
enroll.
Recent Term(s) Offered: fall 2019

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 E-NS | NS
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; winter 2018;
summer 2018; winter 2019; summer 2019

AGRI 291 Introduction to Data Analysis and Interpretation 3 Hours
Application of scientific method in acquiring new knowledge,
test 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 MA 115 or MA 115C)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019
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: fall 2018

AGRI 323 Wine Fundamentals 3 Hours
Agricultural and historical origins of wine, including important grape varietals and principles of fermentation. Major wine-producing regions and fundamentals of wine marketing are also explored.
Recent Term(s) Offered: spring 2018; spring 2019

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 2017; spring 2018; spring 2019

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 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.
Restriction(s): Students with a semester level of Freshman or Sophomore may not enroll.
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: winter 2017; spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

AGRI 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 students and faculty.
Recent Term(s) Offered: None

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 2017; summer 2017; spring 2018; spring 2019; summer 2019

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 2017; fall 2018; fall 2019

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: fall 2017; fall 2019
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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2018; spring 2019

AGRO 311  Agronomy  3 Hours
Principles of growth and development of major agronomic plants and their management. Special consideration is given to Kentucky’s major agronomic crops.
Prerequisite(s): (AGRO 110 or BIOL 120)
Recent Term(s) Offered: None

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2018; fall 2019

AGRO 359  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 2017; fall 2018; fall 2019

AGRO 360  Weed Science Laboratory  1 Hour
A laboratory course correlated with AGRO 409.
Corequisite(s): AGRO 409
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 2018; fall 2019

AGRO 421  Forage Crops Laboratory  1 Hour
A laboratory course correlated with AGRO 420.
Corequisite(s): AGRO 420
Recent Term(s) Offered: spring 2018; fall 2019

AGRO 422  Field Crops  3 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 2018; fall 2019

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 2017; spring 2018; spring 2019
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 2017; spring 2018; spring 2019

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 2017; fall 2019

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 2017; fall 2019

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: fall 2018

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 2017; fall 2018; fall 2019

ASL 102  American Sign Language II  3 Hours
Continuation and expansion of expressive, 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 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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)
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: None

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.
Prerequisite(s): ASL 102 with a minimum grade of C
Recent Term(s) Offered: spring 2019

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: winter 2017; spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
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: spring 2018; spring 2019

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 2018; spring 2019

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 201 with a minimum grade of C
Course Fee: $50
Recent Term(s) Offered: spring 2017; fall 2017; fall 2018; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

ASL 406  ASL Special Topics  1-3 Hours (repeatably 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: spring 2017

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 2018; fall 2018; spring 2019; fall 2019

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 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2018; fall 2019

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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
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 and ANSC 140
Corequisite(s): ANSC 331
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

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 330 and ANSC 331
Corequisite(s): ANSC 334
Recent Term(s) Offered: summer 2017; spring 2018; spring 2019

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: summer 2017; spring 2018; spring 2019

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 2017; fall 2019

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 2017; fall 2018

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 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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
Corequisite(s): ANSC 429
Recent Term(s) Offered: None

ANSC 429  Equine Health and Welfare Laboratory  1 Hour
A laboratory course correlated with ANSC 428.
Corequisite(s): ANSC 428
Recent Term(s) Offered: None

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: None

ANSC 432  Dairy Production Laboratory  1 Hour
A laboratory course correlated with ANSC 431.
Corequisite(s): ANSC 431
Recent Term(s) Offered: None

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 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019
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: None

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 2017; spring 2019

ANSC 443 Beef Production Laboratory 1 Hour
A laboratory course correlated with ANSC 442.
Corequisite(s): ANSC 442
Recent Term(s) Offered: spring 2017; spring 2019

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: fall 2017; fall 2018

ANSC 447 Animal Breeding Laboratory 1 Hour
A laboratory course correlated with ANSC 446.
Corequisite(s): ANSC 446
Recent Term(s) Offered: fall 2017; fall 2018

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 2017; spring 2018; spring 2019

ANSC 449 Domestic Animal Nutrition: Principles and Techniques 3 Hours
Chemistry and physiology of domestic animal nutrition, nutrient metabolism. Techniques involved in nutrition research, readings in current nutrition literature. Demonstration and practical experience in digestion and balance studies with experience in laboratory methods for proximate analysis, minerals and vitamins. Note: Instructor's consent may be required.
Prerequisite(s): ANSC 345 and ANSC 448 and (CHEM 107 or CHEM 222)
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 2017; summer 2017; fall 2017; spring 2018; spring 2019; summer 2019

**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 E-SB | SB
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; fall 2019

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 E-SB | SB
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; spring 2018; spring 2019

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 2017; spring 2019
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 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 2018

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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019; fall 2019

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: fall 2018

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: fall 2017; fall 2019

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: fall 2017; fall 2019

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.
Equivalent(s): FLK 342
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 context.
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; fall 2017; fall 2018; fall 2019

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: winter 2017; spring 2017; summer 2017; winter 2018; spring 2018; summer 2018; winter 2019; spring 2019

ANTH 378  Southern Appalachian Folklore  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: fall 2017; fall 2019

ANTH 388  Foodways  3 Hours
Exploration of the relationship between food and culture. Colonnade K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Equivalent(s): FLK 388
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019
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 2017; fall 2017; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: summer 2017; summer 2018; summer 2019

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: summer 2018

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 2018

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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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 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 2017

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 2017; spring 2018; fall 2018; fall 2019
**Anthropology (ANTH)**

**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.
**Restriction(s):** Students with a semester level of Freshman or Sophomore may not enroll.
**Recent Term(s) Offered:** spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

**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:** fall 2018; spring 2019; fall 2019

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**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 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

**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)
**Course Fee:** $7
**Recent Term(s) Offered:** spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

**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:** spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

**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 2017; spring 2018; spring 2019

**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 2017; fall 2018; fall 2019

**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 2017; fall 2018; fall 2019

**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:** summer 2019

**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 2017; spring 2018

**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 2017; fall 2018; fall 2019

**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 2017; spring 2019

**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 2018
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 as prerequisite.
Prerequisite(s): ARBC 302
Recent Term(s) Offered: spring 2018

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 2019

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 2017; fall 2018; fall 2019

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: None

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

Architectural & Manufacturing (AMS)

AMS 101 Introductory AMS Research  1-6 Hours (repeatable max of 6 hrs)
An introduction to research projects and problem-solving techniques in various AMS fields. Note: Enrollment in a program of study within the Architectural and Manufacturing Sciences Department or consent of instructor required.
Recent Term(s) Offered: fall 2017; fall 2019

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 103 Introduction to Wood Products Technology  3 Hours
A beginning wood-working course dealing with both hand and machine tool processes. Students are required to plan, construct and finish a furniture item.
Course Fee: $60
Recent Term(s) Offered: spring 2018

AMS 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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019
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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

AMS 140 Introduction to Occupational Safety 1 Hour
An introduction to workplace safety, health, and environmental issues in manufacturing and construction organizations.
Course Fee: $10
Recent Term(s) Offered: fall 2017

AMS 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: $10
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

AMS 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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

AMS 175 University Experience-Ams 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 fields of construction management, manufacturing and industrial distribution, architectural sciences, technology management and technology education. Note: For beginning freshman or transfer students with fewer than 24 semester hours of credit.
Recent Term(s) Offered: fall 2017

AMS 180 Introduction to Architecture 3 Hours
Survey of the history of architectural theory and application from antiquity to today. 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 AH
Recent Term(s) Offered: fall 2017; fall 2018; summer 2019; fall 2019

AMS 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 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 or (MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C)
Course Fee: $30
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; fall 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

AMS 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). Colonnade NS
Recent Term(s) Offered: None

AMS 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 275 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)
Course Fee: $50
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019
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 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 MATH 116 with a minimum grade of C or MA 115C 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: fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: spring 2018; summer 2018; fall 2018; spring 2019

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: summer 2018; fall 2018; spring 2019

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: summer 2018; fall 2018; spring 2019

AMS 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): AMS 151 and AMS 163
Course Fee: $20
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

AMS 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: spring 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

AMS 262  Construction Laboratory  1 Hour
The laboratory to accompany AMS 261. Hands-on experience with basic construction methods and materials used in light commercial and residential construction, including framing, concrete, masonry, and miscellaneous metals.
Course Fee: $30
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

AMS 263  Architecture Documentation I  3 Hours
Planning and producing residential construction drawings. Residential construction standards and codes; building materials research and specification.
Prerequisite(s): AMS 163 with a minimum grade of C and AMS 261
Course Fee: $50
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

AMS 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: spring 2017; summer 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: summer 2018; fall 2018; spring 2019
AMS 271M2  Industrial Statistics Module Two  1 Hour
Prerequisite(s): AMS 271M1 with a minimum grade of B
Recent Term(s) Offered: summer 2018; fall 2018; spring 2019

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: summer 2018; fall 2018; spring 2019

AMS 273  Architectural Detailing  3 Hours
Architectural detailing in terms of function, contractability, 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): AMS 263 with a minimum grade of C
Course Fee: $50
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

AMS 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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

AMS 300  Wood Finishing Processes  3 Hours
A survey of industrial finishing materials, equipment and processes.
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may not enroll.
Recent Term(s) Offered: None

AMS 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.
Prerequisite(s): CHEM 105
Recent Term(s) Offered: spring 2018

AMS 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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: summer 2017; summer 2018; spring 2019; summer 2019

AMS 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): AMS 261
Course Fee: $20
Recent Term(s) Offered: summer 2017; fall 2017; summer 2018; fall 2018; summer 2019; fall 2019

AMS 308  Graphic Communication  3 Hours
Includes preparation of camera copy, line copy, photography, halftone photography, making color separations, and offset platemaking. Students explore offset printing and photographic screen printing of half tone images.
Prerequisite(s): (AMS 163 or AMS 205)
Course Fee: $35
Recent Term(s) Offered: None

AMS 310  Ergonomics and Safety  3 Hours
People-machine interaction, including an introduction to the relevant underlying human sciences. The interaction of how these issues relate to safety in the workplace will be elaborated upon.
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: spring 2017; fall 2017; spring 2018; fall 2018; winter 2019; spring 2019; fall 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018

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: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018

AMS 311  Digital Systems Simulation  3 Hours
Prerequisite(s): AMS 271
Recent Term(s) Offered: None
AMS 314 Advanced CADD for Manufacturing 3 Hours
Study of 2D and 3D CADD applications, related assembly and working drawings, tolerancing, geometric dimensioning and tolerancing (GD&T) and quality issues. A team approach will be used in class.
Prerequisite(s): AMS 205
Course Fee: $20
Recent Term(s) Offered: None

AMS 325 Survey of Building Systems 3 Hours
Prerequisite(s): AMS 163 and AMS 261 and (MATH 117 or MA 117C)
Course Fee: $35
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

AMS 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 2017; spring 2018; fall 2018; fall 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

AMS 329 Introduction to Career and Technical Education 3 Hours
The characteristics and purposes of American public education with emphasis on vocational, career, and general education; the place of relationships and differences in preparing people for occupational careers.
Recent Term(s) Offered: winter 2017; summer 2018

AMS 330 Investigation in Secondary Education 1-3 Hours (repeatable max of 3 hrs)
Individual investigations of methods and materials, curriculum problems, the secondary school, and other areas of need or interest related to secondary education. Note: Permission of the department head may be required.
Restriction(s): Students with a semester level of Freshman or Sophomore may not enroll.
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

AMS 331 Methods in Vocational Education 3 Hours
The preparation and application of instructional materials, methods, techniques, and technology relevant to teaching vocational, industrial, and technical subjects.
Recent Term(s) Offered: winter 2018; summer 2019

AMS 332 Solar Technology Applications 3 Hours
Practical applications of basic laws of physics governing behavior of mechanical and electrical components to convert solar energy to electricity. Discussion of passive and active utilization of solar energy to provide domestic hot water and space heating. Solar geometry and system design with emphasis on efficiency. Travel to WKU Center for Research and Development required.
Prerequisite(s): (MATH 117 or MA 117C or MATH 118)
Recent Term(s) Offered: None

AMS 333 Instructional Media and Curriculum in Industrial, Vocational, and Career Education 3 Hours
Curriculum review/development and the selection, sources, and use of technology suitable for industrial, vocational, and technical education.
Recent Term(s) Offered: summer 2017; winter 2019

AMS 334 Workshop in Vocational Education Classroom / Laboratory Management 3 Hours
A study of the theory and principles related to classroom/laboratory management and their application in planning, organizing, and managing a vocational technical learning environment. Emphasis is given to the management of facilities, instructional areas, and work/storage areas, as well as safety and discipline. Note: Permission of instructor is required.
Recent Term(s) Offered: summer 2017; summer 2018

AMS 340 Manufacturing Operations I 3 Hours
Survey of methods for designing products for improved quality and manufacturability in industry, and designing processes for improved reliability. Includes "concurrent design of products and processes" and rapid introduction of new products to markets, rapid prototyping methods and applications, process optimization, testing and production planning. Note: AMS 340 and AMS 341 must be taken in consecutive semesters.
Recent Term(s) Offered: None

AMS 341 Manufacturing Operations II 3 Hours
Survey of methods for testing and production planning, pilot production runs, production cost estimating. Includes introduction of new products to production, planning for quality, measurement of associated costs, process development and optimization. Lecture and Laboratory. Note: AMS 341 must be preceded by AMS 340 in the previous semester.
Prerequisite(s): AMS 371 and AMS 311 and AMS 205
Recent Term(s) Offered: None
AMS 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: spring 2017; spring 2018; spring 2019; fall 2019

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: summer 2017; fall 2017; spring 2018; summer 2018; fall 2018

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: summer 2017; fall 2017; spring 2018; summer 2018; fall 2018

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: summer 2017; fall 2017; spring 2018; summer 2018; fall 2018

AMS 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): AMS 120
Course Fee: $40
Recent Term(s) Offered: fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

AMS 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): AMS 251 and AMS 363 with a minimum grade of C
Course Fee: $20
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019; summer 2019

AMS 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 2017; fall 2018; fall 2019

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: spring 2017; summer 2017; spring 2018; summer 2018; fall 2018

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.
Recent Term(s) Offered: spring 2017; summer 2017; spring 2018; summer 2018; fall 2018

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.
Recent Term(s) Offered: spring 2017; summer 2017; spring 2018; summer 2018; fall 2018

AMS 354  Architectural Software  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 304 or MATH 305 or MATH 306
Course Fee: $20
Recent Term(s) Offered: spring 2019; summer 2019

AMS 354M1  Architectural Software 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 342M1
Course Fee: $20
Recent Term(s) Offered: summer 2017; fall 2017; spring 2018; summer 2018; fall 2018

AMS 354M2  Architectural Software 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 342M2
Course Fee: $20
Recent Term(s) Offered: summer 2017; fall 2017; spring 2018; summer 2018; fall 2018

AMS 354M3  Architectural Software 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 342M3
Course Fee: $20
Recent Term(s) Offered: spring 2017; summer 2017; spring 2018; summer 2018; fall 2018
AMS 355  Systems Design  3 Hours
A comprehensive study of manufacturing organizations and their administration involving facilities layout, design of work systems, forecasting and decision making, planning for facilities and equipment. Note: This course is for the Technology Management major or non-AMS majors.
Prerequisite(s): MATH 116 or MA 116C
Recent Term(s) Offered: None

AMS 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): AMS 271
Course Fee: $10
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

AMS 363  Architecture Documentation II  3 Hours
Planning and producing commercial construction drawings. Commercial construction standards and codes; building materials research and specification.
Prerequisite(s): AMS 263 with a minimum grade of C and AMS 273 with a minimum grade of C and AMS 305
Course Fee: $50
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

AMS 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: winter 2017; spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

AMS 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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: winter 2018; spring 2019; summer 2019

AMS 368M1  Problem Solving Module One  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 368M2  Problem Solving Module Two  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 368M3  Problem Solving Module Three  1 Hour
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): AMS 263
Course Fee: $30
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

AMS 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): AMS 227
Course Fee: $50
Recent Term(s) Offered: fall 2017; spring 2018; fall 2018; fall 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018
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: summer 2017; spring 2018; summer 2018; fall 2018

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: spring 2018

AMS 371 Quality Assurance 3 Hours
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 142 or MATH 206 or MATH 237 or MATH 240 or MATH 275 or MATH 304 or MATH 305 or MATH 306 or MATH 137
Course Fee: $10
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

AMS 371M1 Quality Assurance Module 1 1 Hour
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018

AMS 371M3 Quality Assurance Module 3 1 Hour
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018

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 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: spring 2018; summer 2018; spring 2019

AMS 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: spring 2017

AMS 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: None

AMS 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): (AMS 301 or BIOL 207)
Recent Term(s) Offered: None

AMS 385 Furniture Design and Construction 3 Hours
The design, fabrication and finishing of a furniture product with emphasis on appropriate jointery, design elements and principles and the appropriate use of wood products.
Prerequisite(s): AMS 103
Recent Term(s) Offered: None

AMS 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
AMS 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): Students with a semester level of Freshman or Sophomore may not enroll.

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: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2018; fall 2018; spring 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

AMS 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
Course Fee: $10
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

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: summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

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: summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

AMS 395  Fundamentals of HACCP  3 Hours
Development and implementation of the Hazard Analysis and Critical Control Point (HACCP) system and its application in the food processing industry.
Prerequisite(s): AMS 301
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may not enroll.
Recent Term(s) Offered: None

AMS 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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019
**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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019  
**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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019  
**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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019  
**AMS 398**  
Internship I  
1 Hour  
Advisor approved, discipline-specific internship requiring 200 hours of work experience in business or industry. Note: 15 semester hours in Industrial Sciences or junior standing with permission of the instructor.  
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019  
**AMS 399**  
Internship II  
1 Hour  
Advisor approved, discipline-specific internship requiring 200 hours of work experience in business or industry.  
**Prerequisite(s):** AMS 398  
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017  
**AMS 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: spring 2017; fall 2017; summer 2018  
**AMS 410**  
Industrial Science Problems  
3 Hours  
Prerequisite(s): Senior or graduate standing in Industrial Education, and special permission. This course provides an opportunity for individual study and/or research relative to problems in industrial education. Prior approval necessary before registering for this course.  
**Restriction(s):** Students with a semester level of Freshman, Junior or Sophomore may not enroll.  
Recent Term(s) Offered: None  
**AMS 417**  
Advanced Manufacturing Materials  
3 Hours  
Survey of advanced materials science concepts and their applications to the production of manufacturing materials. Includes the effect of different materials processing techniques on property-microstructure-process interactions, and how they affect the manufacturing concepts. Lecture and Laboratory. Note: Consent of instructor may be required.  
**Prerequisite(s):** AMS 271 and AMS 227  
**Course Fee:** $30  
Recent Term(s) Offered: None  
**AMS 427**  
Advanced Manufacturing Processes  
3 Hours  
A descriptive study of advanced manufacturing processes and production equipment with laboratory experimentation in forming, solidification and material removal processes. Lecture and Laboratory.  
**Prerequisite(s):** AMS 227  
**Course Fee:** $40  
Recent Term(s) Offered: None  
**AMS 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.  
**Course Fee:** $10  
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019  
**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: spring 2018; summer 2018; fall 2018; spring 2019  
**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: spring 2018; summer 2018; fall 2018; spring 2019
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 2018; summer 2018; fall 2018; spring 2019

AMS 435  Supervised Student Teaching in Vocational, Industrial, and Technical Education  4 Hours
Observation, participation, and supervised teaching in vocational, industrial, and technical education.
Course Fee: $10
Recent Term(s) Offered: spring 2017; summer 2017; spring 2018; spring 2019

AMS 443  Food Packaging  3 Hours
Principles of packaging science and technology, packaging materials, machinery and equipment, and packaging requirements applied to preservation and distribution of food products.
Prerequisite(s): AMS 301
Recent Term(s) Offered: None

AMS 452  Production Woodworking  3 Hours
The design, planning, and tooling for mass production of a moderately complex wood product. Students participate in a group mass production endeavor. Lecture and laboratory.
Prerequisite(s): AMS 103
Recent Term(s) Offered: None

AMS 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): AMS 352
Recent Term(s) Offered: None

AMS 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.
Prerequisite(s): AMS 282 and AMS 363 with a minimum grade of C and AMS 325
Course Fee: $50
Recent Term(s) Offered: None

AMS 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): (AMS 273 or AMS 373) and (AMS 282 and AMS 325) and (AMS 369 or AMS 360)
Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may not enroll.
Course Fee: $50
Recent Term(s) Offered: summer 2017; fall 2017; fall 2018; summer 2019; fall 2019

AMS 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

AMS 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

AMS 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: summer 2017; fall 2017; winter 2019

AMS 480  Intro to Computer Integrated Manufacturing  3 Hours
A survey of automation as it relates to manufacturing including numerical control systems, robotics, computer-assisted production, and other automated systems.
Prerequisite(s): AMS 370
Course Fee: $35
Recent Term(s) Offered: fall 2017

AMS 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): AMS 363 and AMS 369
Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may not enroll.
Course Fee: $25
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019
AMS 489  Cooperative Education  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

AMS 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: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

AMS 490A  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): AMS 363 with a minimum grade of C and AMS 488 with a minimum grade of C
Recent Term(s) Offered: spring 2018; spring 2019

AMS 490B  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 AMS 390 with a minimum grade of C and CM 462 (may be taken concurrently)
Recent Term(s) Offered: spring 2018; spring 2019

AMS 490E  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): AMS 356 with a minimum grade of C and AMS 390 with a minimum grade of C and AMS 394 (may be taken concurrently)
Recent Term(s) Offered: spring 2018; spring 2019

AMS 490F  Senior Research for Technology Management  3 Hours
Students work on capstone research projects utilizing skills and knowledge from prior courses in the 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): AMS 356 with a minimum grade of C and AMS 390 with a minimum grade of C and AMS 394 (may be taken concurrently)
Recent Term(s) Offered: spring 2018; spring 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018

AMS 495  Acoustic Guitar Construction  4 Hours
Deals with the design and fabrication of a steel string or classical guitar and related tooling using the Haile method of construction. Lecture and laboratory.
Prerequisite(s): AMS 103
Recent Term(s) Offered: None

Art (ART)

ART 100  Art Appreciation  3 Hours
An introductory study of the visual arts. Colonnade E-AH | AH
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 E-AH | AH
Recent Term(s) Offered: None

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 E-AH | AH
Recent Term(s) Offered: summer 2017; fall 2017; fall 2018; winter 2019; fall 2019

ART 106  History of Art Since 1300  3 Hours
A selective chronological study of the major visual arts from renaissance through modern times. Colonnade E-AH | AH
Recent Term(s) Offered: spring 2017; spring 2018; summer 2018; spring 2019; summer 2019

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 Visual Arts (514) , Visual Arts (514P) or Art History (613)
Course Fee: $50
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
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 Visual Arts (514), Visual Arts (514P) or Art History (613)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 Visual Arts (514), Visual Arts (514P) or Art History (613)
Course Fee: $50
Recent Term(s) Offered: spring 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: None

ART 231 Graphic Design  3 Hours
This course teaches the fundamentals of applied visual communication in graphic design projects.
Prerequisite(s): ART 130 and ART 140
Restriction(s): Enrollment is limited to students in Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $125
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

ART 243 Digital Media  3 Hours
Introduction to the use of digital media in the arts through basic investigations of current computer technologies.
Prerequisite(s): ART 130 and ART 140
Restriction(s): Enrollment is limited to students in Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $125
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

ART 244 Computer Animation I  3 Hours
This introductory course initiates students to the creative possibilities of 3D computer animation platform. Note: Permission of instructor required.
Recent Term(s) Offered: spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2018
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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: $75
Recent Term(s) Offered: spring 2018; fall 2019

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: fall 2017; spring 2019

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 2017

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: None

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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: summer 2017; winter 2018; summer 2018; winter 2019; spring 2019; summer 2019

ART 318 Art and Landscape 3 Hours
Critical examination of the theme of landscape in the visual arts. Colonnade K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: summer 2017; fall 2018; summer 2018; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; spring 2018; summer 2019

ART 330 Graphic Design 3 Hours
While the course uses elements to create forms for public viewing and also emphasizes the use of the student's experience gained in other studio areas, its primary concern is to strengthen the student's aesthetic awareness in graphic design.
Prerequisite(s): ART 231
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may not enroll.
Enrollment is limited to students in Visual Studies (509), Visual Studies-Prep (509P), Visual Arts (514), Visual Arts (514P), Art (BFA In Graphic Design) (515), Art-Prep (BFA/Graphic Design) (515P), Art Education (516) or Art Education-Prep (516P)
Course Fee: $125
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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
Restriction(s): Enrollment is limited to students in Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $125
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019
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 2017; summer 2017; fall 2017; spring 2018;
fall 2018; spring 2019; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017;
winter 2018; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019;
fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017;
winter 2018; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019;
fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $125
Recent Term(s) Offered: spring 2017; fall 2017

ART 344  Computer Animation II  3 Hours
Designed for students who are experienced with basic 3D animation to introduce more sophisticated concepts and techniques of 3D animation.
Prerequisite(s): ART 244
Recent Term(s) Offered: spring 2018; fall 2018; spring 2019; summer 2019;
fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: fall 2017; spring 2018; fall 2018; spring 2019; fall
2019

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
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; fall 2018; spring 2019; fall
2019
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.
Course Fee: $75
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; fall 2018; spring 2019; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2018; fall 2019

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 2017; spring 2018; spring 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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: summer 2018; fall 2019

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 2017

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 2017; fall 2018; fall 2019

ART 407 Islamic Art and Architecture 3 Hours
A survey of art and architecture in the Islamic world from 622 through the present day.
Course Fee: $75
Recent Term(s) Offered: None

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: None

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: None

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: spring 2019

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: $75
Recent Term(s) Offered: spring 2017; fall 2018

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: $75
Recent Term(s) Offered: fall 2017; spring 2019
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 Visual Studies (509),
Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019

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 Visual Studies (509),
Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019

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 Visual Studies (509),
Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019

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 Visual Studies (509),
Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019

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 Visual Studies (509),
Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: fall 2017; spring 2018; spring 2019; fall 2019

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 Visual Studies (509),
Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: fall 2018; fall 2019

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 Visual Studies (509),
Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2019; fall 2019

ART 430  Graphic Design  3 Hours
A studio course to synthesize the student’s previously acquired
technical ability and aesthetic awareness into a finished graphic design
comprehensive of professional caliber.
Prerequisite(s): ART 330
Restriction(s): Enrollment is limited to students in Visual Studies (509),
Visual Arts (514) or Visual Arts (514P)
Course Fee: $125
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018;
fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

ART 431  Illustration  3 Hours
This course stresses the application of various graphic media
and techniques to solve problems in illustration.
Prerequisite(s): ART 231 and ART 340
Restriction(s): Enrollment is limited to students in Visual Studies (509),
Visual Arts (514) or Visual Arts (514P)
Course Fee: $125
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; spring 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019

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 Visual Studies (509),
Visual Arts (514) or Visual Arts (514P)
Course Fee: $125
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019

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 Visual Arts (514) or Visual Arts (514P)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019
ART 436  Electronic Illustration  3 Hours
This course provides advanced instruction in popular computer illustration programs such as Adobe Illustration and MacroMedia Freehand for students preparing for careers in graphic design. Limited enrollment.
Prerequisite(s): ART 243
Restriction(s): Enrollment is limited to students in Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $125
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

ART 438  Advanced Computer Graphics  3 Hours
Combines artwork and graphic design using the computer to compose printed matter. Note: Permission of instructor may be required.
Prerequisite(s): ART 243 and ART 330
Restriction(s): Enrollment is limited to students in Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $125
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

ART 440  Drawing  3 Hours
Advanced drawing explorations through individual problem solving.
Prerequisite(s): ART 341
Restriction(s): Enrollment is limited to students in Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: winter 2017; spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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): ART 344
Recent Term(s) Offered: spring 2018; spring 2019; summer 2019; fall 2019

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 2018

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2018; fall 2018; spring 2019; fall 2019

ART 451  Printmaking  3 Hours
Printmaking exploration through research and creative activity.
Prerequisite(s): ART 450
Course Fee: $75
Recent Term(s) Offered: fall 2018; spring 2019; fall 2019

ART 452  Printmaking  3 Hours
This course consists of advanced research problems in printmaking.
Prerequisite(s): ART 451
Course Fee: $75
Recent Term(s) Offered: fall 2018; spring 2019; fall 2019

ART 453  Senior Techniques in Printmaking  3 Hours
Develops mastery printmaking skills.
Prerequisite(s): ART 452
Restriction(s): Enrollment is limited to students in Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: fall 2017; spring 2018; spring 2019; fall 2019

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 463 and ART 464
Restriction(s): Enrollment is limited to students in Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: fall 2018; spring 2019; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2017; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2019; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2019

ART 474 Sculpture Methods, Wood 3 Hours
Advanced techniques in wood sculpture.
Prerequisite(s): ART 472
Restriction(s): Enrollment is limited to students in Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: fall 2017; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: fall 2017; spring 2018; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2017; fall 2018; spring 2019; fall 2019

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 Visual Studies (509), Visual Arts (514) or Visual Arts (514P)
Course Fee: $75
Recent Term(s) Offered: spring 2019; fall 2019
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 2017; summer 2017; spring 2018; summer 2018; spring 2019

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.
Course Fee: $75
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019

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 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

Asian Rels/Cultures (ARC)

ARC 100  Introduction to Asian Studies  3 Hours
Survey of the cultures of one or more regions in Asia.
Colonnade E-AH | AH
Recent Term(s) Offered: spring 2019

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: summer 2017

ARC 498  Study in Asian Religions and Cultures  3 Hours
Directed study and research in Asian religions and cultures.
Recent Term(s) Offered: fall 2017; spring 2019

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 2017; fall 2017; spring 2018; spring 2019
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 E-NS, E-SL | NS, SL
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 E-NS, E-SL | NS, SL
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 E-NS | NS
Recent Term(s) Offered: winter 2017; spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 NS, SL
Prerequisite(s): MATH 136 (may be taken concurrently)
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 2017

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.
Prerequisite(s): MATH 116 and (ASTR 106 or BIOL 120 or CHEM 120 or GEOL 111)
Recent Term(s) Offered: None

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
Recent Term(s) Offered: spring 2018

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 2019

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 2017

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 E-NS | NS
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 E-SL | SL
Course Fee: $10
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 E-NS | NS
Corequisite(s): BIOL 121
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 E-SL | SL
Corequisite(s): BIOL 120
Course Fee: $15
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 E-NS | NS
Corequisite(s): BIOL 123
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 E-SL | SL
Corequisite(s): BIOL 122
Course Fee: $20
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

BIOL 131 Human Anatomy and Physiology 4 Hours (repeatabl 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 E-NS, E-SL | NS, SL
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 E-NS | NS
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

BIOL 208 General Microbiology Laboratory 1 Hour
A laboratory course correlated with BIOL 207. Colonnade 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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; fall 2018; fall 2019
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 2017; fall 2018; fall 2019 

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 2017; fall 2018; fall 2019 

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 220 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 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019 

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 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019 

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: spring 2017; fall 2017; fall 2018; spring 2019; fall 2019 

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: spring 2017; fall 2017; fall 2018; spring 2019; fall 2019 

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019 

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: fall 2018 

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 2017; winter 2018; summer 2018; winter 2019 

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): CS 295, MATH 295, PHYS 295, GEOL 295, CHEM 295, ENGR 295 
Recent Term(s) Offered: None 

BIOL 302  Human Biology  3 Hours  
A survey of body systems with special emphasis on human reproduction, embryological development and infectious diseases. Designed for non-science majors. Colonnade NS 
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 2017; spring 2018 

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 and BIOL 122 with a minimum grade of C 
Recent Term(s) Offered: spring 2017; summer 2017; spring 2018; spring 2019; summer 2019 

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 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019
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 2017; spring 2018; summer 2018; spring 2019; summer 2019

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: winter 2017; summer 2018; summer 2019

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: fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: fall 2017; spring 2018; fall 2018; summer 2019

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 2018; spring 2019; summer 2019

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 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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 2017; spring 2019

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: spring 2017; summer 2017; fall 2017; winter 2018; summer 2018; fall 2018; winter 2019; summer 2019; fall 2019

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 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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 2018; spring 2019; fall 2019

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 2017; fall 2018; fall 2019

Equivalent(s): (BIOL 319 and BIOL 322) or (BIOL 327 and BIOL 337)
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: spring 2017; spring 2018

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: fall 2017; fall 2018; fall 2019

BIOL 336  Food Microbiology  3 Hours
A comprehensive understanding of food microbiology, including foodborne pathogenic bacteria, beneficial bacteria, microbial impact on food processing, control of microorganisms in food, and food regulations. This course may include off-campus travels to food processing companies or government laboratories.
Prerequisite(s): (BIOL 207 and BIOL 208) or (BIOL 226 and BIOL 227)
Recent Term(s) Offered: None

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: spring 2017; fall 2017; fall 2018; fall 2019

BIOL 344  Biology of Aging  3 Hours
An introductory study of the mechanisms of aging processes with special emphasis on humans. Unfavorable progressive changes in molecules, cells, organs and organ systems will be discussed. Designed for non-biology majors. Note: Three hours of biology or consent of instructor required.
Recent Term(s) Offered: None

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 222 with a minimum grade of C and BIOL 223 with a minimum grade of C
Course Fee: $20
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 2017; fall 2017; fall 2018; fall 2019

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: fall 2017; fall 2019

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 2017; spring 2019

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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: fall 2017

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 2017; spring 2018; spring 2019
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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: fall 2018

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 136 or MATH 119 (MATH 117 and (BIOL 120 with a minimum grade of C) or 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 2017; spring 2018; spring 2019

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: fall 2018; spring 2019; fall 2019

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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2018; fall 2019

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: spring 2019

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 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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: winter 2017; summer 2018

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 2017; fall 2018; fall 2019

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 2019

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 2017; spring 2019

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 2017; summer 2017; spring 2018; spring 2019; summer 2019

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 2017; spring 2018; spring 2019

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: summer 2017; summer 2018; summer 2019

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 314 with a minimum grade of C or CHEM 340 with a minimum grade of C)  
**Equivalent(s):** CHEM 446  
**Recent Term(s) Offered:** spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019  

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019  

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:** spring 2017  

BIOL 456  Ichthyology  4 Hours (repeatable max of 4 hrs)
A study of the fish 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 2017; fall 2019  

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:** None  

BIOL 458  Fisheries Management  4 Hours
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 2018  

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 2019  

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 2017; fall 2019  

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 2017; spring 2018; spring 2019  

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 2018  

BIOL 472  Applied and Environmental Microbiology  4 Hours (repeatable max of 4 hrs)
A study of the roles of microorganisms in food preservation, fermentation, spoilage and food intoxication. Production of microbial products of industrial interest; application of modern microbiological techniques to industrial processes; interrelationships between microorganisms and their environment.  
**Prerequisite(s):** (BIOL 207 and BIOL 208) or (BIOL 226 and BIOL 227)  
**Recent Term(s) Offered:** None  

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:** winter 2017; spring 2017; summer 2017; fall 2017; spring 2018; spring 2019  

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 2017; fall 2018; fall 2019  

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: summer 2017; winter 2018; summer 2018; winter 2019; summer 2019

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 2019; fall 2019

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 2017; summer 2018; summer 2019

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 2017; summer 2018; summer 2019

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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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: fall 2017; fall 2018; summer 2019; fall 2019

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: spring 2017

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 2018

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 2017; summer 2017; winter 2018; spring 2018; spring 2019

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: fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019
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 2017; spring 2018

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 2017; fall 2017; spring 2018; fall 2018; spring 2019

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): (SJB 101 with a minimum grade of C or SJB 102 with a minimum grade of C)
Course Fee: $35
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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): (SJB 101 with a minimum grade of C or BCOM 201 with a minimum grade of C)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

BCOM 261 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 SJB 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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2019

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): (SJB 101 with a minimum grade of C or SJB 102 with a minimum grade of C)
Course Fee: $35
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

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 2017; spring 2018; spring 2019
BCOM 335  News Discovery and Selection  3 Hours
Gathering news through active news discovery; advance planning, enterpriseing 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: spring 2017; fall 2017; fall 2018; fall 2019

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 2017

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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
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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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.

Recent Term(s) Offered: None

BCOM 378  Film Animation  3 Hours
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.
Recent Term(s) Offered: spring 2017; spring 2018; fall 2019

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) or Broadcasting (726)
Course Fee: $35
Recent Term(s) Offered: spring 2017; spring 2018; summer 2018; winter 2019; spring 2019; summer 2019; fall 2019

BCOM 398  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
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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

BCOM 399  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.

Recent Term(s) Offered: None

BCOM 466  Film Production  3 Hours
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) or Broadcasting (726)
Course Fee: $35
Recent Term(s) Offered: spring 2017; spring 2018; summer 2018; winter 2019; spring 2019; summer 2019; fall 2019
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.
Prerequisite(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may not enroll.
Course Fee: $75  
Recent Term(s) Offered: spring 2017; fall 2017

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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018
BUS 100C  Introduction to Business  3 Hours
The management process, production, marketing, finance accounting, personnel and other functional activities are discussed.  Colonnade E-SB | SB
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; spring 2018; summer 2018; spring 2019

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.  Equivalent(s): MGT 210
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 226C  Introduction to Law  3 Hours
Nature of law and the legal process, contract and the Uniform Commercial Code are stressed.  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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: summer 2017; fall 2017; spring 2018; fall 2018; fall 2019

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: fall 2017; summer 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; spring 2018; fall 2018; spring 2019; fall 2019

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  Business Entrepreneurship  3 Hours
A course designed to emphasize the practical aspects of the 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 enhance student success.

Recent Term(s) Offered: None

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 areas of business. 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.
Course Fee: $15
Recent Term(s) Offered: None

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: spring 2017; summer 2017; fall 2017; fall 2018; fall 2019

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: None

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.
Prerequisite(s): COBA Course Eligibility with a score of 2
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may not enroll.
Recent Term(s) Offered: fall 2018; spring 2019; fall 2019
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 200 and ACCT 201 and CIS 141 and ECON 202 and ECON 203 and ECON 206 and FIN 330 and MGT 200 and MGT 210 and MKT 220 and MATH 116 and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; fall 2017; fall 2018; spring 2019; fall 2019

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 2017; spring 2018; fall 2018; spring 2019; fall 2019

Business Data Analytics (BDAN)

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): CIS 243 and COBA Course Eligibility with a score of 2
Course Fee: $40
Recent Term(s) Offered: fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

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): CIS 243 and COBA Course Eligibility with a score of 2
Course Fee: $40
Recent Term(s) Offered: spring 2018; fall 2018; spring 2019; fall 2019

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): CIS 243 and COBA Course Eligibility with a score of 2
Course Fee: $40
Recent Term(s) Offered: fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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): CIS 243 and COBA Course Eligibility with a score of 2
Course Fee: $40
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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): CIS 243 and COBA Course Eligibility with a score of 2
Course Fee: $40
Recent Term(s) Offered: fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

BDAN 420  Data Mining  3 Hours
An introduction to data mining 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 or BI 310) and COBA Course Eligibility with a score of 2
Course Fee: $40
Recent Term(s) Offered: fall 2017; fall 2018; spring 2019; fall 2019

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 or BI 310) and COBA Course Eligibility with a score of 2
Course Fee: $40
Recent Term(s) Offered: fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

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 2018
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 2018; spring 2019

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 2017

Chemistry (CHEM)

CHEM 101  Introduction to Chemistry  3 Hours
A one semester terminal course covering applied chemistry and environmental considerations which can be used for general education requirements in the science field for non-science majors and minors. In-class laboratory constitutes 20 percent of class. It does not count toward a major or minor in chemistry nor does it satisfy the requirements for certain home economics and agriculture majors. Colonnade E-NS, E-SL | NS, SL
Course Fee: $15
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 E-NS | NS
Prerequisite(s): CHEM 106 (may be taken concurrently)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 E-SL | SL
Prerequisite(s): CHEM 105 (may be taken concurrently)
Course Fee: $30
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 and CHEM 108 (may be taken concurrently) with a minimum grade of C
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 and CHEM 107 (may be taken concurrently) with a minimum grade of C
Course Fee: $30
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 E-NS | NS
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 including evidence collection and preservation, arson investigation, poisons and toxicity, determination of time and death, the chemistry of explosions, and DNA/blood analysis. In-class laboratory constitutes 20% of the class.
Colonnade E-NS, E-SL | NS, SL
Recent Term(s) Offered: spring 2018
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 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 122 (may be taken concurrently) or MATH 126 (may be taken concurrently) or MATH 136 (may be taken concurrently) or MATH 132 (may be taken concurrently) or MA 116 (may be taken concurrently) or MA 116C (may be taken concurrently))
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 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) and CHEM 121 (may be taken concurrently) with a minimum grade of C
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 E-SL | SL
Prerequisite(s): CHEM 120 (may be taken concurrently) with a minimum grade of C
Course Fee: $45
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 223 (may be taken concurrently) with a minimum grade of C
Course Fee: $45
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

CHEM 223 College Chemistry II Laboratory  2 Hours
Laboratory to accompany CHEM 222. Pre-lab lecture and laboratory meet for four hours per week. Prerequisite(s): CHEM 222 (may be taken concurrently) with a minimum grade of C
Course Fee: $45
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 223 (may be taken concurrently) with a minimum grade of C
Corequisite(s): CHEM 223
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

CHEM 223 College Chemistry II Laboratory  2 Hours
Laboratory to accompany CHEM 222. Pre-lab lecture and laboratory meet for four hours per week. Prerequisite(s): CHEM 222 (may be taken concurrently) with a minimum grade of C
Course Fee: $45
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 must have a score of 630) or (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) and CHEM 121 (may be taken concurrently) with a minimum grade of C)
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

CHEM 304 Biochemistry for the Health Sciences  4 Hours
A brief survey course primarily for various pre-professional and science area curricula requiring one semester of organic chemistry.

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 314 Introductory Organic Chemistry  5 Hours (repeatable max of 5 hrs)
A brief survey course primarily for various pre-professional and science area curricula requiring one semester of organic chemistry. Prerequisite(s): CHEM 222 with a minimum grade of C and CHEM 223 with a minimum grade of C
Course Fee: $35
Recent Term(s) Offered: None

CHEM 320 Principles of Inorganic Chemistry  3 Hours
A treatment of the usual topics in theoretical inorganic chemistry presented at a level not requiring calculus. Prerequisite(s): CHEM 222 with a minimum grade of C and CHEM 223 with a minimum grade of C
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019
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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

CHEM 340  Organic Chemistry I  3 Hours
The first half of the standard one-year course for chemistry majors. Discussion includes various organic mechanisms and preparations. The entire sequence of CHEM 340-CHEM 341, CHEM 342-CHEM 343 should be completed. If only one semester of organic chemistry is desired, CHEM 314 should be taken.
Prerequisite(s): CHEM 222 with a minimum grade of C and CHEM 223 with a minimum grade of C and CHEM 341 (may be taken concurrently) with a minimum grade of C
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

CHEM 341  Organic Chemistry Laboratory I  2 Hours
Laboratory work includes studies of typical organic reactions and preparations.
Prerequisite(s): CHEM 222 with a minimum grade of C and CHEM 223 with a minimum grade of C and CHEM 340 (may be taken concurrently) with a minimum grade of C
Course Fee: $50
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 and CHEM 343 (may be taken concurrently) with a minimum grade of C
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

CHEM 343  Organic Chemistry Laboratory II  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 and CHEM 342 (may be taken concurrently) with a minimum grade of C
Course Fee: $50
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: spring 2017; fall 2017; summer 2018; spring 2019

CHEM 399  Research Problems in Chemistry  3 Hours
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 2017; fall 2018

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.
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

CHEM 420  Inorganic Chemistry  3 Hours
A study of such topics as atomic structure, molecular structure, bonding theory, ionic substances, electron deficient compounds, 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 2017; spring 2018; spring 2019

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.
Prerequisite(s): CHEM 420 (may be taken concurrently) with a minimum grade of C
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019
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 and in the medical technology laboratory. Topics discussed will include drugs, blood enzymes, organic and inorganic analysis, gunshot residue, fingerprints, chromatography, spectrophotometry, electrochemistry and electrophoresis.
Prerequisite(s): (CHEM 314 with a minimum grade of C or 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 2017; spring 2019

CHEM 435  Instrumental Analysis  3 Hours
Modern instrumental methods of analysis including spectroscopic, electroanalytical and chromatographic techniques.
Prerequisite(s): CHEM 330 with a minimum grade of C and CHEM 340 with a minimum grade of C and CHEM 436 (may be taken concurrently) with a minimum grade of C
Course Fee: $35
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

CHEM 436  Instrumental Analysis Laboratory  2 Hours
A laboratory to accompany CHEM 435 focusing on techniques involving modern instrumental analysis. Pre-lab lecture and laboratory meets 4.5 hours per week.
Prerequisite(s): CHEM 435 (may be taken concurrently) with a minimum grade of C
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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: fall 2017; fall 2019

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 314 with a minimum grade of C or CHEM 340 with a minimum grade of C)
Equivalent(s): BIOL 446
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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, introductory quantum mechanics, spectroscopy, statistical thermodynamics, and interdisciplinary applications.
Prerequisite(s): (CHEM 314 with a minimum grade of C or 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 and CHEM 451 (may be taken concurrently) with a minimum grade of C
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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. Experiments may include measurements of thermochemical properties, phase and chemical equilibria, kinetic rates, spectroscopic properties, and supporting computational chemistry. Pre-lab lecture and laboratory meets 4.5 hours per week.
Prerequisite(s): CHEM 450 (may be taken concurrently) with a minimum grade of C
Course Fee: $50
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

CHEM 452  Physical Chemistry II  3 Hours
A continuation of CHEM 450. Selected topics may include thermodynamics and equilibria, the kinetic theory of gases, transport properties, chemical kinetics, 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) and MATH 137 with a minimum grade of C and CHEM 453 (may be taken concurrently) with a minimum grade of C
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

CHEM 453  Physical Chemistry II Laboratory  2 Hours
A laboratory to accompany CHEM 452. Experiments may include measurements of thermochemical properties, phase and chemical equilibria, kinetic rates, spectroscopic properties, and supporting computational chemistry. Pre-lab lecture and laboratory meets 4.5 hours per week.
Prerequisite(s): CHEM 452 (may be taken concurrently) with a minimum grade of C
Course Fee: $50
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019
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 314 with a minimum grade of C or 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 2017; spring 2018; spring 2019

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 2017; spring 2019

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 fields of analytical, biological, inorganic, organic, physical, polymer and coal chemistry. The course may be repeated for credit provided topics differ. Note: Consent of instructor required.
Recent Term(s) Offered: winter 2017; summer 2017; winter 2018; winter 2019; summer 2019

CHEM 476  Advanced Investigations in Chemistry Laboratory  2 Hours
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 330 and (CHEM 412 or CHEM 452)
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.
Restriction(s): Students with a semester level of Senior may not enroll.
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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)
Restriction(s): Students with a semester level of Senior may not enroll.
Course Fee: $7
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019
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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: fall 2019

CHIN 209  Chinese Learning Lab & Exploratorium I  1-3 Hours
(repeatable max of 3 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: fall 2017; fall 2018

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 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: None

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 2018

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 2017; fall 2018; fall 2019

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: spring 2017; spring 2019

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 2018

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 advanced level course fosters continued development of 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 2017; fall 2018; fall 2019

CHIN 402  Advanced Chinese II  3 Hours
This advanced 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 2017; spring 2018; spring 2019

CHIN 409  Chinese Learning Lab & Exploratorium II  1-3 Hours
(repeatable max of 3 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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; spring 2018; spring 2019

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 2017; spring 2018; spring 2019
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: fall 2017

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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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: spring 2017; fall 2017; fall 2018; fall 2019

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 2017; fall 2017; spring 2018; spring 2019

CHNF 203  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: spring 2017; fall 2017; fall 2018; fall 2019

CHNF 301  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 2017; spring 2018; fall 2018; spring 2019; fall 2019

CHNF 302  Intensive Advanced Chinese III  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 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

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 2017; fall 2017; spring 2018; spring 2019

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 2017; spring 2018; spring 2019

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.
Recent Term(s) Offered: fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: fall 2017; spring 2018; fall 2018; spring 2019; summer 2019

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 K-LG
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. Corequisite(s): CE 176
Recent Term(s) Offered: spring 2018; spring 2019

CSJ 499 Social Justice Capstone 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.
Recent Term(s) Offered: spring 2018; spring 2019

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. Note: High School Algebra & Trigonometry is required.
Corequisite(s): CE 161
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

CE 175 University Experience - Civil Engineering 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, with special attention given to Civil Engineering careers and design. The design process is introduced through hands-on projects. Note: For beginning college freshmen or transfer students with fewer than 24 semester hours of credit.
Recent Term(s) Offered: None

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 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 331 (may be taken concurrently))
Course Fee: $50
Recent Term(s) Offered: fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2018; fall 2019

CE 301 Field Experience in Floodplain Management 3 Hours (repeatable max of 6 hrs)
Field study and mitigation techniques for river flooding, karst flooding, flash flooding, alluvial fan flooding, tropical storms or a combination of these. Course involves travel.
Restriction(s): Students with a semester level of Freshman or Sophomore may not enroll.
Recent Term(s) Offered: None

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 or MATH 118 or MATH 119 (may be taken concurrently) 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)
Corequisite(s): CE 304
Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may not enroll.
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019
CE 304  Construction Management Lab  1 Hour
Extension of CE 303 lecture course. Skills related to Construction Management will be covered in a laboratory setting including plan reading, specification reading, construction scheduling and estimating using industry standard state-of-the-practice software and hardware, and other applied tasks.
Corequisite(s): CE 303
Course Fee: $50
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017

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 2017; spring 2018; spring 2019

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: spring 2017; spring 2018; spring 2019; fall 2019

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: spring 2017; summer 2017; spring 2018; summer 2018; spring 2019; summer 2019

CE 326  Engineering Law  3 Hours
Introduction to law and judicial procedures as they relate to the practicing engineer. Contracts, professional liability, professional ethics, licensing, bidding procedures, intellectual property, products liability. Emphasis on development of critical thinking process, abstract problem analysis and evaluation.
Recent Term(s) Offered: None

CE 332  Transportation Engineering  3 Hours
Prerequisite(s): CE 160 and CE 161 and EM 222 and PHYS 255
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

CE 342  Fluid Thermal Science  4 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 (634)
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

CE 360  Estimating Scheduling Bidding  3 Hours
Investigates the principles of cost estimating, scheduling, and preparing bid documents for construction projects. Topics include feasibility studies, preliminary and detailed estimating, sequencing of tasks, tracking time and cost and variance analysis. State-of-the-practice computer applications for estimating and scheduling will be stressed in the lecture as well as the corequisite laboratory.
Prerequisite(s): CE 303
Corequisite(s): CE 361
Recent Term(s) Offered: None

CE 361  Estimating Lab  3 Hours
Extension of CE 360 lecture course. Traditional and computer tools will be applied to construction estimating and scheduling. Techniques for quantity take offs and computer scheduling will be covered.
Prerequisite(s): CE 303
Corequisite(s): CE 360
Recent Term(s) Offered: None

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 302 or EM 303)
Corequisite(s): CE 371
Recent Term(s) Offered: fall 2017; summer 2018; fall 2018; fall 2019

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 302 or EM 303)
Corequisite(s): CE 370
Course Fee: $125
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019
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 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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 2017; spring 2018; spring 2019

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: summer 2017; fall 2017; summer 2018; fall 2018; summer 2019; fall 2019

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: fall 2017; fall 2018; fall 2019

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 2017; spring 2018; summer 2018; spring 2019

CE 400  Civil Engineering Senior Design Seminar  2 Hours
Professional, ethical and decision-making issues related to the civil engineering design process. Structured small group discussions, oral presentations, and written assignments. Students will complete proposals for CE 498 during this course. Must be taken semester prior to CE 498. Note: 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: fall 2017

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
Recent Term(s) Offered: fall 2017; fall 2018; summer 2019; fall 2019

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 2017; fall 2018; summer 2019; fall 2019

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
Recent Term(s) Offered: spring 2017; spring 2018; summer 2018; spring 2019; summer 2019

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 2018

CE 436  Design / Construction Integration  3 Hours
The integration of the design and construction process. Using constructability concepts during the design process. Topics include value engineering, operation and maintenance, design from a construction standpoint, environmental concerns, cost analysis, alternative methods, and aesthetics.
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may not enroll.
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 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: spring 2019

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: spring 2017

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)
Corequisite(s): CE 305
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 461
Recent Term(s) Offered: None

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: fall 2017

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: winter 2017; summer 2017; fall 2017; winter 2018

CE 476  Highway Construction  3 Hours
An in-depth study of certain phases of highway engineering and construction including geometric design, planning, traffic flow, highway capacity analysis, and economic analysis.
Prerequisite(s): CE 370
Recent Term(s) Offered: None

CE 482  WKU-Elementary Structural Design  3 Hours
Applications of principles of solid mechanics to the design of steel, timber and reinforced concrete members and structures. Emphasis is on basic ideas and their application to practical design of relatively simple structures according to the building code.
Prerequisite(s): (CE 382 or CE 373)
Recent Term(s) Offered: None

CE 486  Steel & Concrete Construction  3 Hours
Prerequisite(s): CE 316
Recent Term(s) Offered: None

CE 490  UK-CE Selected Topics (Fall)  3 Hours (repeatable max of 9 hrs)
Advanced special topics delivered in the fall semester by UK faculty to acquaint undergraduate students with significant problems and developments of current interest in civil engineering. Course is repeatable (with different topics) two times. Permission of instructor only. Note: Permission of instructor required.
Recent Term(s) Offered: None

CE 491  UK-CE Selected Topics (Spring)  3 Hours (repeatable max of 9 hrs)
Advanced special topics delivered in the spring semester by UK faculty to acquaint undergraduate students with significant problems and developments of current interest in Civil Engineering. Course is repeatable (with different topics) two times. Permission of instructor only. Note: Permission of instructor required.
Recent Term(s) Offered: None

CE 498  Senior Project  3 Hours
Students work on a multi-disciplinary civil engineering team to develop, design, test, and build (if applicable) a civil engineering project. Students choose their own project, normally encompassing multiple areas of civil engineering practice. Teamwork and management are stressed.
Prerequisite(s): CE 400
Restriction(s): Enrollment limited to students with a semester level of Senior.
Recent Term(s) Offered: spring 2017; spring 2018

College: Health & Human Serv (CHHS)

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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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 F-OC | OC**
Course Fee: $5
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

COMM 200 Communication Foundations 3 Hours
Introduces foundational communication contexts, theories, and processes. Note: Permission of instructor may be required. **Colonnade 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 KGET F-OC) or TRAN FOC-L or COMM FOC-L or SCOM A3-L or COMM A3-L or KGET C-A3 or TRAN A3-L and (ENG 100 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)
Recent Term(s) Offered: spring 2017; fall 2017; fall 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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: spring 2017; summer 2017; spring 2018; summer 2018; fall 2018; summer 2019

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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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: fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: summer 2019

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 115C or MATH 116 or MATH 116E or MATH 117)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2019; summer 2019

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 2017; spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 2017; fall 2018; fall 2019
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 2017; spring 2018; spring 2019

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 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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.

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 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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 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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

COMM 349  Small Group Communication  3 Hours
Studies group dynamics, interaction and communication in group situations. Colonnade K-SY

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

COMM 364  Crisis Communication  3 Hours
Examines communicative pre-crisis preparation and post-crisis response strategies. Note: Permission of instructor may be required.

Prerequisite(s): COMM 200 with a minimum grade of C
Recent Term(s) Offered: fall 2019

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 K-SC

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: fall 2018; spring 2019; summer 2019; fall 2019

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 2017; spring 2018

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 2018

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 2017; summer 2017; spring 2018

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 2019; summer 2019

COMM 440  Health Communication  3 Hours
Examines and analyzes the critical role communication plays in health debate and individual events. Note: Active participation on the forensic team is 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.
Recent Term(s) Offered: fall 2017

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 is required.

Prerequisite(s): COMM 344
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019
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 2017; spring 2018; spring 2019

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: None

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: spring 2017

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 2017

COMM 452  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 2017

COMM 453  Communication Disorders in Linguistically Diverse Populations  3 Hours
Focuses on the identification, evaluation, and treatment of communication disorders in clients from diverse cultural and linguistic backgrounds. 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.
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

COMM 454  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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

COMM 455  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: fall 2017; spring 2018; fall 2018; summer 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

CD 290 Introduction to Clinical Experience 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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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.
Prerequisite(s): CD 280 and CD 290
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2018; fall 2019

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.

Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 2017; fall 2017; spring 2018; summer 2018; summer 2019

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 2017; spring 2018; spring 2019

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.
Restriction(s): Enrollment is limited to students in Communication Disorders (595) or Communication Disorders- Prep (595P)
Recent Term(s) Offered: summer 2017; fall 2017; summer 2018; fall 2018; summer 2019; fall 2019

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 2017; fall 2017; summer 2018; fall 2018; summer 2019; fall 2019

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 2017; spring 2018; spring 2019
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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; summer 2017; spring 2018; summer 2018; spring 2019; summer 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; spring 2018; spring 2019

CD 488  Augmentative Communication Systems  3 Hours
Focus on terminology and issues in alternative/augmentative communication. Teaches about various nonelectrical and electrical communication aids and techniques with special emphasis on rationale for device selection based on client needs. Dismissal summaries. Student must maintain availability for clinic assignments of Tuesdays and Thursdays. Students must maintain availability Tuesdays, Wednesdays, and Thursdays. Supervised clinical experience, including experience with individual and group therapy.
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 2017; spring 2018; spring 2019

CD 489  Communication Disorders in Aging  3 Hours
Teaches about symptoms, causes, and treatment of speech, language, and hearing disorders in the geriatric population.
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: spring 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

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 2018; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: fall 2017; fall 2018; summer 2019; fall 2019

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 2017; spring 2018; spring 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019
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 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

CIT 422 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 2017; spring 2018; spring 2019

CIT 432 Advanced Systems Development II 3 Hours
Focusing 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: spring 2017

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 2018; spring 2019

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 2017; fall 2018; fall 2019

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 2017; spring 2019

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: fall 2017; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: fall 2017; fall 2018; fall 2019

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 2017; spring 2019
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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: None

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

Computer Information Sys (CIS)

CIS 141 Basic Computer Literacy 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 CS 145 (CSCI 145C) may not enroll in CIS 141.
Course Fee: $40
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 243 Principles of MIS 3 Hours
The basis of information systems and how they fit into a decision making environment. An introduction to systems analysis in relation to managing information systems. Strategic uses of information technology throughout the business enterprise.
Prerequisite(s): (CSCI 145C or CIS 141 or CIS 241)
Restriction(s): Students with a semester level of Academy Junior or Academy Senior may not enroll.
Course Fee: $40
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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
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) and COBA Course Eligibility with a score of 2
Course Fee: $40
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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) and COBA Course Eligibility with a score of 2
Course Fee: $40
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

CIS 369  Cooperative Education in Information Systems  1-3 Hours
(repeatable max of 3 hrs)
Practical out-of-the-classroom experience in a supervised work situation with a cooperating business, industry, social or governmental agency applying information systems theory. Note: Application for or enrollment in Cooperative Education Plan; approval of department and Co-op Faculty Advisor; development of Learning Plan; and a minimum 2.5 GPA is required for enrollment in this course.
Prerequisite(s): (CIS 141 with a minimum grade of C or CSCI 145C with a minimum grade of C) and CIS 226 with a minimum grade of C and CIS 243 with a minimum grade of C
Restriction(s): Enrollment is limited to students in Computer Information Systems (706)
Recent Term(s) Offered: fall 2017; spring 2019

CIS 440  Selected Topics-Information Systems  3 Hours  (repeatable max of 9 hrs)
Study of an advanced topic not normally covered in other Computer Information Systems courses. (Some topics may require additional prerequisites). Note: Permission of instructor.
Prerequisite(s): (CS 145 with a minimum grade of B or CSCI 145C with a minimum grade of B or CIS 141 with a minimum grade of B or CIS 241 with a minimum grade of C) and (CIS 343 with a minimum grade of C or CIS 243 with a minimum grade of C) and COBA Course Eligibility with a score of 2
Restriction(s): Enrollment is limited to students in Computer Information Systems (706)
Recent Term(s) Offered: None

CIS 449  Independent Study in Computer Information Systems  3 Hours
Directed study and research in one area of computer information systems.
Prerequisite(s): CIS 243
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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; fall 2019

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.
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: fall 2017; fall 2018; fall 2019

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)
Course Fee: $45
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019
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 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 toward 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 2017; fall 2018; fall 2019

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: spring 2017

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 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)
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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): BIOL 295, MATH 295, PHYS 295, GEOL 295, CHEM 295, ENGR 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: fall 2019

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 221 (may be taken concurrently)
Recent Term(s) Offered: spring 2017; spring 2019

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 221 with a minimum grade of C or CS 181 with a minimum grade of C)
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019
CS 339 Computer Science III 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 221 with a minimum grade of C and MATH 136 with a minimum grade of C
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 221 with a minimum grade of C
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 221 with a minimum grade of C (or CS 181 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 2017; fall 2018; summer 2019; fall 2019

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 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 339 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 2017; spring 2018; spring 2019

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 221 with a minimum grade of C
Recent Term(s) Offered: spring 2019

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 221 with a minimum grade of C
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 181 with a minimum grade of C)
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 or CS 251 with a minimum grade of C) and ENG 307 with a minimum grade of C and COMM 145 with a minimum grade of C
Recent Term(s) Offered: fall 2017; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; fall 2018; fall 2019
**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

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**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 or CS 280 with a minimum grade of C) and STAT 301 with a minimum grade of C

**Recent Term(s) Offered:** fall 2017; fall 2018; fall 2019

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**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 2017; fall 2018; fall 2019

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**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 339 with a minimum grade of C or CS 280 with a minimum grade of C) and CS 351 with a minimum grade of C or (CS 251 with a minimum grade of C)

**Recent Term(s) Offered:** fall 2017; fall 2018; fall 2019

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**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 2017; spring 2018; spring 2019

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**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 339 with a minimum grade of C or CS 280 with a minimum grade of C)

**Recent Term(s) Offered:** spring 2017; spring 2018; spring 2019

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**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:** fall 2017; fall 2018

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**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 360 with a minimum grade of C and (CS 339 with a minimum grade of C or CS 280 with a minimum grade of C)

**Recent Term(s) Offered:** fall 2018

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**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

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**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 2017; spring 2018; fall 2018; spring 2019; fall 2019

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**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

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**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 2017; spring 2018; spring 2019

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**Construction Management (CM)**

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**CM 227  Applied Statics  3 Hours**
A branch of mechanics dealing with forces and the effects of forces acting on bodies at rest. Topics include: vector operations, applied loads, forces, moments of a force, couples, resultants, free-body diagrams, equilibrium, friction, centroids, centers of gravity and moments of inertia. Applications involve beams, frames, trusses, cables, pulleys, sheaves and machines. Note: Does not count toward any engineering major.

**Prerequisite(s):** MATH 122 and PHYS 201

**Recent Term(s) Offered:** None

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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: spring 2017; fall 2017; spring 2018; fall 2018; summer 2019; fall 2019

CM 337  Applied Strength of Materials  3 Hours
Basic design applications using primary building materials and concepts of stress, strain, and elastic deformation, including axial, torsional, shearing, flexural, and combined stresses, elongation, and deflection, shear and moment diagrams, column buckling, and material testing. Note: Permission of instructor may be required.
Prerequisite(s): MATH 304 or MATH 305 or MATH 306
Recent Term(s) Offered: None

CM 339  Applied Strength of Materials Lab  1 Hour
Testing of metals and non-metals in support of material covered in CM 337. Experiments: Rockwell Hardness, impact, tension, torsion, flexure, deflection, compression, column buckling, bolt shear, bearing on connections.
Prerequisite(s): CM 337 (may be taken concurrently)
Recent Term(s) Offered: None

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: fall 2017

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 2017; fall 2017; winter 2018; summer 2018; fall 2018; winter 2019; summer 2019; fall 2019

CM 400  Construction Administration  3 Hours
Basic principles of construction project administration including finances, legal requirements including permits, cost control, safety and quality management, office organization, site planning, document control, project tracking and risk management.
Prerequisite(s): CE 303
Recent Term(s) Offered: fall 2017

CM 426  Construction Law  3 Hours
Introduction to law and judicial procedures as they relate to the practicing construction manager. Contracts, bonds, professional liability, professional ethics, bidding procedures, liens, product liability. Emphasis on development of critical thinking process, abstract problem analysis, and evaluation. Note: Permission of instructor may be required.
Prerequisite(s): (CE 303 or CM 250)
Restriction(s): Students with a semester level of Freshman or Sophomore may not enroll.
Recent Term(s) Offered: None

CM 447  Applied Structural Design  3 Hours
Basic design of permanent and temporary structural components using the primary building materials.
Prerequisite(s): CM 337
Recent Term(s) Offered: None

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 2017; spring 2018; spring 2019; fall 2019

CM 463  Construction Estimating and Bidding II  3 Hours
Advanced estimating and bidding procedures using commercially available software and spreadsheets. Includes quantity take-offs and estimating techniques of various construction trades beyond those covered in CM 363.
Prerequisite(s): CM 363
Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may not enroll.
Recent Term(s) Offered: None

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 E-SB | SB
Recent Term(s) Offered: spring 2017; summer 2017; spring 2019

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 2017; spring 2018; spring 2019; fall 2019
Criminology (CRIM)

CRIM 101 Introduction to Criminal Justice 3 Hours
Survey of criminal justice systems, including police, courts and corrections. Colonnade E-SB | SB
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; fall 2018; fall 2019

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: fall 2018

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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.
Prerequisite(s): (SOCL 100 or CRIM 101 or CRIM 231 or SOCL 231)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; spring 2018; fall 2018

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.
Prerequisite(s): (SOCL 100 or CRIM 101)
Recent Term(s) Offered: None

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 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: None

CRIM 434 Organized Crime 3 Hours
The study of both traditional and nontraditional organized crime from a sociological perspective. Colonnade K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 438 Victimology 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.
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018
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: spring 2017; summer 2017; fall 2017; spring 2018;
summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: spring 2017; spring 2019

CRIM 447  Life-Course Criminology    3 Hours
Survey of the theoretical and empirical research examining the onset,
estalation, 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: None

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 2017; winter 2018; summer 2018; fall 2018

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: fall 2018; spring 2019

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: summer 2017

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 2018

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: None

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 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019

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: fall 2019

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 E-AH | AH
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018;
summer 2018; fall 2018; winter 2019; spring 2019; summer 2019

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 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019

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: spring 2017; fall 2017; spring 2018; fall 2018; fall
2019
**Course Fee:** $50

**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: spring 2017; spring 2018; spring 2019; fall 2019*

**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.

**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 2017; spring 2018; spring 2019; fall 2019*

**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 2017; fall 2017; spring 2018; fall 2018; fall 2019*

**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 2017; spring 2018; fall 2018; spring 2019; fall 2019*

**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: fall 2017; spring 2018; fall 2018; spring 2019; fall 2019*

**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 2017; fall 2018; fall 2019*

**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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019*

**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: fall 2018*

**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 2017; spring 2018; spring 2019*

**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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019*

**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 2017; fall 2017; spring 2018; fall 2018; spring 2019*

**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: None*

**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 2017; fall 2018; spring 2019*

**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: spring 2017; fall 2017; fall 2018; fall 2019*
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: spring 2019

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: 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 2017; spring 2018; fall 2018; fall 2019

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 2017; fall 2019

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 2017; fall 2019

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 2017; fall 2018; fall 2019

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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2018; spring 2019

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 2017; fall 2019

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: winter 2017

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 2017; fall 2018; fall 2019
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 2017; spring 2018; spring 2019

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 2017; spring 2018; spring 2019

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. 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: fall 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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 2017; spring 2018; spring 2019

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 further develop clinical skills and techniques 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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019
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 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

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 2017; fall 2017; spring 2018; summer 2018;
fall 2018; spring 2019; summer 2019; fall 2019

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 2017; fall 2018; fall 2019

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: summer 2017; summer 2018; summer 2019

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 2017; fall 2017; spring 2018; summer 2018;
fall 2018; spring 2019; summer 2019; fall 2019

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 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: fall 2017; fall 2019

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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; spring 2019

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: spring 2017; spring 2018; spring 2019; fall 2019

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 Administration. This course cannot be taken after completing ECON 202 or 203. Colonnade E-SB | SB
Equivalent(s): ECON 150
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; fall 2018

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 E-SB | SB
Equivalent(s): ECON 202
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 SB
Equivalent(s): ECON 203
Recent Term(s) Offered: None

ECO 206C Statistics 3 Hours
An introduction to basic probability and statistics for business and economics. Topics include the collection and presentation of data, descriptive statistics, 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 Administration. This course cannot be taken after completing ECON 202 or 203. Colonnade E-SB | SB
Equivalent(s): ECON 150
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; fall 2018

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 E-SB | SB
Equivalent(s): ECON 202
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 SB
Equivalent(s): ECON 203
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 E-SB | SB
Equivalent(s): ECO 150C
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018;
summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 E-SB | SB
Equivalent(s): ECO 202C
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017;
winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019;
summer 2019; fall 2019

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 E-SB | SB
Equivalent(s): ECO 203C
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017;
winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019;
summer 2019; fall 2019

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)
Equivalent(s): ECO 206C
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017;
winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019;
summer 2019; fall 2019

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): ECO 202C (ECON 202 and (ECON 203 or ECO 203C) and
COBA Course Eligibility with a score of 2
Recent Term(s) Offered: winter 2017; fall 2018

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 or ECO 202C) or ECO 203C and (ECON 203
and (ECON 206 or ECO 206C) and COBA Course Eligibility with a score of
2
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019

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 202 or ECO 202C) and (ECON 203 or ECO 203C)
and (ECON 206 or ECO 206C) and COBA Course Eligibility with a score of
2
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019

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 ECO 202C) and (ECON 203 or ECO 203C)
and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019

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 or ECO 206C) and COBA Course Eligibility with
a score of 2
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; winter
2019; spring 2019; summer 2019; fall 2019

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 or ECO 206C) and COBA Course Eligibility with
a score of 2
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; winter
2019; spring 2019; summer 2019; fall 2019

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 or ECO 202C) and COBA Course Eligibility with
a score of 2
Recent Term(s) Offered: spring 2017
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 K-SC
Prerequisite(s): (ECON 150 or ECON 202 or ECO 202C (may be taken concurrently) or ECON 203 or ECO 203C) and 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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): ECO 202C (ECON 202 and (ECON 203 or ECO 203C) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; summer 2017; fall 2018

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 K-LG
Prerequisite(s): (ECON 202 or ECO 202C and ECON 203 or ECO 203C) and 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2018; fall 2019

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 302 or ECON 202 or ECO 202C) and permission of instructor and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: fall 2018

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): COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2018; spring 2019

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.
Prerequisite(s): COBA Course Eligibility with a score of 2
Recent Term(s) Offered: winter 2017; spring 2017; winter 2018; summer 2018; summer 2019

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 or ECO 202C) and (ECON 203 or ECO 203C) and (ECON 206 or ECO 206C) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

ECON 420  Public Sector Economics  3 Hours
A study of the economics of 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 or ECO 202C) and (ECON 203 or permission of instructor or ECO 203C) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; summer 2018; fall 2018; fall 2019

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 K-G
Prerequisite(s): ECO 150C (ECON 150 or ECO 202C or ECON 202 or ECON 203 or ECO 203C) and 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; spring 2018; summer 2019; fall 2019

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 ECO 150C or ECON 202 or ECO 202C or ECON 203 or ECO 203C) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; winter 2018; spring 2019; fall 2019

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 202C) (ECON 202 and (ECON 203 or ECO 203C) and (ECON 206 or MATH 183) or ECO 206C and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: None

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 or ECO 202C) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: None
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 with a minimum grade of C and ECON 203 with a minimum grade of C and ECON 206 with a minimum grade of C and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: fall 2017; spring 2019

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 and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; spring 2018; fall 2018; spring 2019

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 and difference equations, matrix algebra, linear programming and game theory.
Prerequisite(s): (ECON 206 or ECO 206C) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 or ECO 202C) and (ECON 203 or ECO 203C) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2018

ECON 475  Urban and Regional Economics  3 Hours
Considers the fundamental economic relationships within and between economic and political units in the United States. Emphasis is on applied economic analysis dealing with the characteristics of a region, the urban center and employment.
Prerequisite(s): ECO 202C (ECON 202 or ECO 203C) and (ECON 203 and (ECON 206 or MATH 183) or ECO 206C and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: None

ECON 480  Economic Forecasting  3 Hours
A survey of forecasting methods, their characteristics, appropriate applications, and evaluation.
Prerequisite(s): (ECON 202 or ECO 202C) or ECO 203C) and (ECON 203 and ECON 465 and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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.
Prerequisite(s): COBA Course Eligibility with a score of 2
Recent Term(s) Offered: fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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): ECO 202C (ECON 202 and (ECON 203 or ECO 203C) and COBA Course Eligibility with a score of 2
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 and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: fall 2017

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 and (ECON 465 or ECON 303) or ECON 480) and COBA Course Eligibility with a score of 2
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may not enroll.
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
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: summer 2017; fall 2017; fall 2018; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: None

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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Equivalent(s): SUS 276
Recent Term(s) Offered: spring 2019; summer 2019

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: None

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: None

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 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: fall 2017

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: summer 2017; spring 2018; summer 2018; fall 2018; winter 2019; fall 2019

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  3 Hours
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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
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 2017; spring 2018; spring 2019

EE 175  University Experience – Electrical Engineering  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 electrical engineering. EE design process is introduced. 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: 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 2017; fall 2018; fall 2019

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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 (S37)
Course Fee: $25
Recent Term(s) Offered: spring 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2018; fall 2019

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 2017; spring 2018; summer 2018; spring 2019
EE 400  Design IV  2 Hours
This course is designed to prepare students for the workplace by discussing such issues as interviewing, resume writing, ethics, and professional issues. Also design methodology and decision making will be discussed. The students will complete their proposals for EE 401 during this course. Note: Consent of instructor may be 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)

Recent Term(s) Offered: fall 2017; spring 2018

EE 401  EE Design Project  3 Hours
A course designed for the student to assume the primary responsibility for the completion of an electronic or electrical project. Note: Consent of instructor is required.

Prerequisite(s): EE 400
Recent Term(s) Offered: spring 2017; spring 2018; fall 2018

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: fall 2017

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 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 MATH 237 and EE 473
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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: fall 2018

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 microelectronic technology and applications. Material issues for MEMS/microelectronics.

Prerequisite(s): EE 420 and (CHEM 116 or CHEM 120)
Recent Term(s) Offered: spring 2018; fall 2019

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 2017

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 2017; spring 2018; spring 2019
Prerequisite(s): PHYS 265 with a minimum grade of C

Topics include electrostatic and magnetostatic fields; Faraday's laws, Maxwell's equations, electromagnetic properties of matter, uniform plane waves, and transmission lines.

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 2018; spring 2019

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
Recent Term(s) Offered: spring 2017; spring 2019

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 2017; summer 2019

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: fall 2019

Elementary Education (ELED)

ELED 345 Teaching Strategies for Elementary Teachers 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: winter 2017; spring 2017; fall 2017; spring 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019
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 365, ELED 407
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

ELED 365  Teaching Strategies for Elementary Teachers II  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 355, ELED 407
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 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 465, ELED 406
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 465, ELED 405
Course Fee: $30
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

ELED 465  Senior Projects 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 405, ELED 406
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2018; fall 2019

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.
Recent Term(s) Offered: fall 2018; spring 2019; fall 2019

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 and (MATH 307 (may be taken concurrently) or MATH 370 (may be taken concurrently))
Recent Term(s) Offered: fall 2018

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: summer 2017; fall 2017; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

ENGR 490  Senior Seminar 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: fall 2018; spring 2019; fall 2019

ENGR 491  Senior Project 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 2019; summer 2019; fall 2019

Engineering Mechanics (EM)

EM 222  WKU 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 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019
EM 303  WKU 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, strain-stress 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: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

English (So Campus) (ENG)

ENG 100C  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: Minimum score of 16 on English section of ACT or successful completion of DENG 055C with a grade of "C" or better. Students with ACT English scores of 16 and 17 will be required to attend ENG 100E sections which include an extra hour of class time. Students who have unsuccessfully attempted English 100C (earned grade of W, F, or FN) may not retake English 100/100C as a web section except under extraordinary circumstances, and then only with the written permission of the Director of Composition. Colonnade F-W1 | WC
Prerequisite(s): (ACT English with a score of 18 or SAT Verbal / Critical Reading with a score of 450 or SAT Writing with a score of 430 or SAT Writ/Language Test Score with a score of 25 or SAT Evidence-Based Read/Write with a score of 480 or Accuplacer English with a score of 061 or Compass - Writing Score with a score of 74 or Internatni English Lang Test with a score of 6.0 or TOEFL-Internet Test Scores with a score of 071 or KYOTE Writing with a score of 6 or Smarter Balanced Eng LA/Litcy with a score of 4 or PARCC English Lang Arts/Litcy with a score of 4 or DENG 051C with a minimum grade of C or DENG 055C with a minimum grade of C)
Equivalent(s): ENG 100, ENG 101, ENGL 101C, ENG 100E
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018

ENG 101C  FRESHMAN ENGLISH  3 Hours
No course description is available Colonnade F-W1 | WC
Equivalent(s): ENG 100, ENG 101, ENGL 100C, ENG 100E
Recent Term(s) Offered: None

English (Univ) (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 F-W1 | WC
Prerequisite(s): ENG 100 No Supl Course Needed
Equivalent(s): ENG 101, ENGL 100C, ENGL 101C, ENG 100E
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 F-W1 | WC
Prerequisite(s): ENG 100 Enhanced Extr Instruc
Corequisite(s): ENG 105
Equivalent(s): ENG 100, ENG 101, ENGL 101C, ENG 100C
Recent Term(s) Offered: fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: None
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 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 620)
Equivalent(s): ENG 183, ENG 283
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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)
Recent Term(s) Offered: fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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
Equivalent(s): COMM 212
Recent Term(s) Offered: spring 2018; spring 2019

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 2017; summer 2017; winter 2018; summer 2018; winter 2019; summer 2019; fall 2019

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
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 F-W2 | WC
Prerequisite(s): Foundations Literary Studies
Equivalent(s): ENG 102
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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)
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

ENG 304  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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

ENG 305  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 ACT English with a score of 29 or SAT Verbal / Critical Reading with a score of 650
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

ENG 306  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)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
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
Recent Term(s) Offered: spring 2017

ENG 311 Creative Nonfiction Writing  3 Hours
An intensive study of the writing of creative nonfiction (literacy nonfiction prose), with emphasis on contemporary theory and practice. Note: Permission of instructor.
Prerequisite(s): (ENG 203 or ENG 203C)
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

ENG 312 Reading as a Writer  3 Hours
A close reading of literary works and craft essays as well as analysis and emulaton 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: None

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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status and Foundations Literary Studies
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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)
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: spring 2018

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
Recent Term(s) Offered: spring 2017

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
Recent Term(s) Offered: winter 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018

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
Recent Term(s) Offered: spring 2018

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: summer 2017; winter 2018; fall 2019

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
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
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 2017; spring 2018; spring 2019

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 2019

ENG 360 Gay and Lesbian Literature  3 Hours
Study of gay, lesbian, and queer literature with emphasis on critical theory and the concepts of sex and gender in global, cultural, and historical contexts.
Prerequisite(s): Foundations Literary Studies
Recent Term(s) Offered: spring 2018

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
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019
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
Equivalent(s): FILM 366
Recent Term(s) Offered: None

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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
Recent Term(s) Offered: spring 2017; spring 2019

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
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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
Recent Term(s) Offered: spring 2017; spring 2018; fall 2018; spring 2019; fall 2019

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
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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
Recent Term(s) Offered: spring 2018; fall 2019

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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status and Foundations Literary Studies
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 2017; spring 2018; fall 2018; spring 2019; fall 2019

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
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

ENG 393 African American Literature  3 Hours
Study of literature by African American writers.
Prerequisite(s): Foundations Literary Studies
Equivalent(s): AFAM 393
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

ENG 394 Kentucky Literature  3 Hours
Selected texts by writers from and about the state of Kentucky.
Prerequisite(s): Foundations Literary Studies
Recent Term(s) Offered: fall 2017; fall 2019

ENG 395 Contemporary U.S. Literature  3 Hours
Examine trends in recent literature across multiple genres.
Prerequisite(s): Foundations Literary Studies
Recent Term(s) Offered: fall 2018

ENG 396 Mythology  3 Hours
Greek, Roman and Norse myths and their influence on art and literature.
Prerequisite(s): Foundations Literary Studies
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; winter 2018; summer 2018; winter 2019; spring 2019

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 AH
Prerequisite(s): Honors Course Eligibility and Foundations Literary Studies
Recent Term(s) Offered: fall 2017; fall 2018

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
Recent Term(s) Offered: summer 2017; summer 2018; winter 2019

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)
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019
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 2017; spring 2018; spring 2019

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  **Recent Term(s) Offered:** spring 2017; spring 2018; spring 2019

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 K-SY**
**Prerequisite(s):** Foundations Literary Studies and 21 hours of Foundations and Explorations Courses, or junior status  **Recent Term(s) Offered:** None

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 2017; fall 2018; fall 2019

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  **Recent Term(s) Offered:** spring 2017; spring 2018; spring 2019; fall 2019

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  **Recent Term(s) Offered:** spring 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 and (ENG 204 or ENG 302)  **Recent Term(s) Offered:** fall 2017; spring 2018; spring 2019

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:** spring 2018

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 COMM 300 or GEOG 300)  **Restriction(s):** Students with a semester level of Freshman, Junior or Sophomore may not enroll.  **Recent Term(s) Offered:** spring 2017; spring 2018; spring 2019

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.  **Recent Term(s) Offered:** spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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.  **Recent Term(s) Offered:** fall 2017; fall 2018; spring 2019

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)  **Recent Term(s) Offered:** spring 2017; fall 2017; spring 2018; spring 2019; fall 2019

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:** fall 2019

ENG 430 19th Century American Literature  3 Hours
Seminar in 19th Century American Literature; course topics will vary. **Prerequisite(s):** Foundations Literary Studies  **Recent Term(s) Offered:** fall 2017; fall 2019
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
Equivalent(s): THEA 455
Recent Term(s) Offered: spring 2019

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
Recent Term(s) Offered: fall 2018

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
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
Equivalent(s): THEA 459
Recent Term(s) Offered: None

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
Equivalent(s): FILM 465
Recent Term(s) Offered: spring 2018

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
Equivalent(s): FILM 466
Recent Term(s) Offered: fall 2019

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
Recent Term(s) Offered: spring 2019

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 2017; winter 2018; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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: fall 2017; summer 2018; fall 2018; spring 2019

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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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 2017; spring 2018; spring 2019

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
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
Recent Term(s) Offered: fall 2018

ENG 484 British Romanticism 3 Hours
British literature and culture from the late 18th and early 19th centuries.
Prerequisite(s): Foundations Literary Studies
Recent Term(s) Offered: spring 2017
ENG 486 The Eighteenth Century 3 Hours
The concentrated study of eighteenth century literature, forms, and developments.
Prerequisite(s): Foundations Literary Studies
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
Recent Term(s) Offered: fall 2017; fall 2019

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
Recent Term(s) Offered: None

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
Recent Term(s) Offered: fall 2017; spring 2019

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
Recent Term(s) Offered: spring 2017; spring 2019

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 study 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 2017; fall 2017; spring 2018; fall 2018; spring 2019

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
Recent Term(s) Offered: spring 2017; fall 2018

ENG 495 Southern Literature 3 Hours
Selected texts by writers from and about the United States South.
Prerequisite(s): Foundations Literary Studies
Recent Term(s) Offered: spring 2017; spring 2019

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
Recent Term(s) Offered: spring 2018; fall 2019

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 2017; spring 2018

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: spring 2018

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 2017; spring 2018; spring 2019

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 K-SY
Prerequisite(s): COBA Course Eligibility with a score of 2 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

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.
Prerequisite(s): COBA Course Eligibility with a score of 2
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may not enroll.
Recent Term(s) Offered: fall 2019

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 and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019
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.
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

Environmental Science (ENV)

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: fall 2017; fall 2018; fall 2019

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 E-NS | NS
Equivalent(s): PH 280
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 2017; fall 2018

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 2017; spring 2018; spring 2019

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 2017; fall 2018

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 2017; spring 2019

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: fall 2017; spring 2019
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 2017; spring 2019

ENV 410  Water Treatment Processes  3 Hours
Determination of water quality characteristics pertinent to water and waste-water treatment.
Prerequisite(s): ENV 375
Corequisite(s): ENV 410
Course Fee: $50
Recent Term(s) Offered: spring 2018; fall 2019

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
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

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: spring 2019

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: summer 2019

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 2017; spring 2018; spring 2019

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 2017

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: fall 2017; spring 2019

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 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; fall 2018; winter 2019; spring 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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: winter 2017; spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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 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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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)
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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: None

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; spring 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019
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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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)
*Restriction(s): Enrollment is limited to students in Interdiscipl Early Child Ed (526)
*Recent Term(s) Offered: spring 2019

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 2017

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: fall 2017; fall 2018

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: fall 2017; fall 2018

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 2017; fall 2018; fall 2019

FACS 294 Assessment of Young Children  3 Hours
Overview of the assessment process, preliminary assessment skills, and using assessment results in planning for guidance/instruction of young children. Roles of the family in the 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 or CFS 191 with a minimum grade of C)
*Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; spring 2018; spring 2019

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 2017; spring 2018; spring 2019; fall 2019

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 2017; spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 SB
*Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may not enroll.
*Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 2017; spring 2018; spring 2019

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 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
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 2019

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 2019

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: summer 2017; fall 2017; summer 2018

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 2017; spring 2018

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: fall 2018; fall 2019

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 2018; fall 2018; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019

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 2017; spring 2018; spring 2019
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 2017; fall 2018; fall 2019

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 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 2017; summer 2017; spring 2018; summer 2018; summer 2019

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 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; spring 2018; fall 2018; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
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 E-AH| AH
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; summer 2019; fall 2019

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 101 and FILM 201
Course Fee: $35
Recent Term(s) Offered: spring 2018; spring 2019

FILM 250  Screenwriting  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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

FILM 282  Film Production Workshop I  3 Hours
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 2017; fall 2017; fall 2018; fall 2019

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
Equivalent(s): ENG 366
Recent Term(s) Offered: spring 2018

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 2017; fall 2018; fall 2019

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) or Broadcasting (726) or Photojournalism (750)
Course Fee: $35
Recent Term(s) Offered: spring 2018; spring 2019

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
Course Fee: $35
Recent Term(s) Offered: spring 2018; fall 2019

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
Course Fee: $35
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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: fall 2017; fall 2018; fall 2019

FILM 382  Film Production Workshop II  3 Hours
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 250 with a minimum grade of C and FILM 282 with a minimum grade of C
Course Fee: $65
Recent Term(s) Offered: spring 2017; fall 2017; fall 2018; fall 2019

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 2017; summer 2017; summer 2018; winter 2019
FILM 450  Feature Writing  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: spring 2018; fall 2018; fall 2019

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  
Equivalent(s): ENG 465  
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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  
Equivalent(s): ENG 466  
Recent Term(s) Offered: fall 2017; fall 2019

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: spring 2019

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 2018; spring 2019

FILM 486  Film Studies Capstone  3 Hours
A senior capstone experience synthesizing and assessing the complete field of study for film majors. Emphasis on independent research and writing. Includes an exploration of career and graduate study opportunities as well as intensive research and analysis within a single area of film studies.  
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may not enroll.  
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; spring 2019; fall 2019

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  
E-SB | SB  
Equivalent(s): FINC 161C  
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

FIN 300  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 COBA Course Eligibility with a score of 2  
Restriction(s): Enrollment is limited to students in Finance (664) or Finance (Seeking Adm) (664P)  
Recent Term(s) Offered: fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 200 and (MATH 123 or MATH 237 or MATH 142 or MATH 137 or MATH 136 or ACT Math with a score of 26 or SAT Mathematics Score with a score of 610) and (ECON 202 or ECON 203) and COBA Course Eligibility with a score of 2  
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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.  
Prerequisite(s): COBA Course Eligibility with a score of 2  
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 and COBA Course Eligibility with a score of 2  
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 330 and COBA Course Eligibility with a score of 2  
Restriction(s): Enrollment is limited to students in Accounting (602) or Accounting (Seeking Adm) (602P)  
Equivalent(s): ACCT 330  
Recent Term(s) Offered: None
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.  
Prerequisite(s): COBA Course Eligibility with a score of 2  
Recent Term(s) Offered: winter 2017; spring 2017; fall 2017; winter 2018; summer 2018; fall 2018; summer 2019; fall 2019

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 and COBA Course Eligibility with a score of 2  
Recent Term(s) Offered: summer 2017; summer 2018; summer 2019

FIN 400  Personal Financial Planning Practice Management  2 Hours  
Counseling and communication techniques, as well as interviewing strategies for use in financial planning settings. Introduction to regulatory compliance as applied to personal financial planning. Advanced coursework in professional software packages for financial planning and investment portfolio applications. Review of business models and staffing.  
Prerequisite(s): FIN 331 (may be taken concurrently) and FIN 332 (may be taken concurrently) and FIN 444 (may be taken concurrently) and COBA Course Eligibility with a score of 2  
Corequisite(s): FIN 401  
Restriction(s): Enrollment is limited to students in Financial Planning (200), Finance (664) or Finance (Seeking Adm) (664P)  
Recent Term(s) Offered: fall 2018

FIN 401  Personal Financial Planning Practice Management Lab  1 Hour  
A laboratory course correlated with FIN 400 for financial planning majors emphasizing the use of professional software packages for financial planning and investment management.  
Prerequisite(s): FIN 331 (may be taken concurrently) and FIN 332 (may be taken concurrently) and FIN 444 (may be taken concurrently) and COBA Course Eligibility with a score of 2  
Corequisite(s): FIN 400  
Restriction(s): Enrollment is limited to students in Financial Planning (200), Finance (664) or Finance (Seeking Adm) (664P)  
Recent Term(s) Offered: fall 2018

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 and COBA Course Eligibility with a score of 2  
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 and COBA Course Eligibility with a score of 2  
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 and COBA Course Eligibility with a score of 2  
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 and COBA Course Eligibility with a score of 2  
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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): ECON 307 (may be taken concurrently) FIN 330 with a minimum grade of C and COBA Course Eligibility with a score of 2  
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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): ECON 307 (may be taken concurrently) FIN 330 with a minimum grade of C and COBA Course Eligibility with a score of 2  
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 and COBA Course Eligibility with a score of 2  
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 and COBA Course Eligibility with a score of 2  
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 and COBA Course Eligibility with a score of 2  
Recent Term(s) Offered: summer 2017; fall 2017; summer 2018; fall 2018; summer 2019; fall 2019

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 330 and COBA Course Eligibility with a score of 2  
Recent Term(s) Offered: spring 2017; fall 2017; fall 2018; winter 2019; fall 2019

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 330 and COBA Course Eligibility with a score of 2  
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019
**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 and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

**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 and FIN 332 and FIN 350 and FIN 444 (may be taken concurrently) and FIN 445 (may be taken concurrently) and ACCT 330
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

**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 recent historical, philosophical, anthropological and folkloristic theories of their major fields. Practical applications in personal and family planning by successfully formulating and presenting a comprehensive financial plan.
Prerequisite(s): FIN 332 with a minimum grade of C and COBA Course Eligibility with a score of 2
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may not enroll.
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

**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. 
Equivalent(s): FIN 161
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

**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. 
Equivalent(s): ANTH 340
Recent Term(s) Offered: None

**FLK 276  Introduction to Folk Studies  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.  
Equivalent(s): ANTH 340
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

**FLK 280  Cultural Diversity in the US  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. 
Recent Term(s) Offered: None

**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 2017; spring 2018; spring 2019

**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. 
Equivalent(s): ANTH 340
Recent Term(s) Offered: None

**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 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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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: None

FLK 378  Southern Appalachian Folklore  3 Hours
Folklore 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: fall 2017

FLK 388  Foodways  3 Hours
Exploration of the relationship between food and culture. Colonnade K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Equivalent(s): ANTH 388
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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): ANTH 410, AFAM 410
Recent Term(s) Offered: None

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 2018

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: spring 2018; fall 2019

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 2018

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 2017; spring 2019

FLK 477  Folk Arts and Technology  3 Hours
Folkloric 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: None

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 2018
**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: spring 2017; fall 2017; spring 2018; fall 2018; fall 2019

**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)*

*Course Fee: $7*

*Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; spring 2019; summer 2019*

**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: spring 2017; fall 2017; spring 2018; fall 2019*

**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 2017; fall 2017; spring 2018*

**FREN 203** Advanced French Conversation 3 Hours
Supervised individual study directed by a member of the Folk Studies faculty. NOTE: course pass required.

*Recent Term(s) Offered: None*

**FREN 204** Advanced French Conversation Abroad 1-3 Hours (repeatable max of 6 hrs)
Practicum for FREN 201 and FREN 202, which may substitute for FREN 203. Students who achieve transferable credit for language study may count this course as an elective for the major or minor.

**FREN 205** French Culture Abroad 1-3 Hours (repeatable max of 3 hrs)
Practicum for FREN 202, which may substitute for FREN 203. Students who achieve transferable credit for language study may count this course as an elective for the major or minor.

**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: summer 2017*

**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 abroad required.

*Prerequisite(s): (FREN 202 or AVANT Lang French Placement with a score of 5)*

*Recent Term(s) Offered: summer 2017; summer 2018; summer 2019*

**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 AH**

*Prerequisite(s): (FREN 202 or AVANT Lang French Placement with a score of 5)*

*Recent Term(s) Offered: summer 2017; fall 2017; fall 2019*

**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: spring 2017; fall 2018*

**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 2018; fall 2019*
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: fall 2017; spring 2019

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 AH
Prerequisite(s): FREN 202 or AVANT Lang French Placement with a score of 5
Recent Term(s) Offered: spring 2017; summer 2017; summer 2018; fall 2018; summer 2019

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: fall 2018

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: spring 2018

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: fall 2017; fall 2019

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 2017

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 2018; summer 2019

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 2019

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)
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: spring 2018

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: fall 2018; spring 2019
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.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, or Freshman may not enroll.
Recent Term(s) Offered: None

GWS 205  American Masculinities  3 Hours
An introduction to the study of men and masculinity from a historical and contemporary perspective. The course examines the social, political, economic, cultural, and psychological factors that have influenced the development of masculine identity.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, or Freshman may not enroll.
Recent Term(s) Offered: fall 2019

GWS 300  Gender, Women and Science  3 Hours
An investigation of the participation of women 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.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, or Freshman may not enroll.
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.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, or Freshman may not enroll.
Recent Term(s) Offered: fall 2017

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.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, or Freshman may not enroll.
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

GWS 424  Special Topics in Gender and Women's Studies  1-3 Hours
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, or Freshman may not enroll.
Recent Term(s) Offered: winter 2017

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, or Freshman may not enroll.
Recent Term(s) Offered: None

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.

Restriction(s): 21 hours of Foundations and Explorations Courses, or junior status
Course Fee: $50
Recent Term(s) Offered: winter 2017; spring 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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.

Restriction(s): (GEOG 103 or GEOL 103 or GEOL 111 or METR 121) and GEOG 110
Course Fee: $50
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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.

Restriction(s): GISC 316 with a minimum grade of C
Course Fee: $50
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019
GISC 414  Remote Sensing Fundamentals  4 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 2018

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: fall 2017; fall 2018; fall 2019

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 2018; spring 2019

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 2017; spring 2018; spring 2019

GISC 423  Geoprocessing and GIS Applications  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 2017; fall 2018

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 2017; spring 2018

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: winter 2019

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 E-NS | NS
Equivalent(s): GEOL 103
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 E-SB | SB
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 2017; fall 2018; fall 2019

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
This course is a broad, interdisciplinary introduction to the study of Latin America, emphasizing regions, peoples, and cultures. Colonnade 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 2017; fall 2018; fall 2019

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: fall 2017; fall 2019
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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2018; fall 2018; spring 2019; fall 2019

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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: fall 2017; fall 2018

GEOG 280  Environmental Science and Sustainability  4 Hours
A general understanding of how the environment functions, the complexity of human-environment 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 E-NS, E-SL | NS
Course Fee: $10
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 F-W2 | WC
Prerequisite(s): GEOG 110 and ENG 100 and (GEOG 103 or GEOL 103 or GEOL 111 or GEOL 121)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: fall 2017; fall 2018

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: fall 2018

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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: summer 2017; fall 2017; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 SB
Recent Term(s) Offered: spring 2017; spring 2019

GEOG 352  Geography of Kentucky  3 Hours
No course description is available
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 SB
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019
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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Course Fee: $15
Recent Term(s) Offered: spring 2018; spring 2019

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 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 2017; spring 2018; spring 2019; fall 2019

GEOG 385  Society, Resources, and Climate  3 Hours
Discussion of global climate change from a societal and resource 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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status and GEOG 110 and GEOG 280
Equivalent(s): EDU 385
Recent Term(s) Offered: fall 2017

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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: fall 2017; spring 2019

GEOG 391  Spatial Data Analysis and Interpretation  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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: fall 2019

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 2017; spring 2019

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: spring 2017; spring 2019

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: fall 2018

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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; winter 2018; spring 2018; summer 2018; winter 2019; spring 2019; summer 2019

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: None
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 GEOG 310) or GEOG 420
Recent Term(s) Offered: None

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: fall 2017; fall 2018

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: spring 2018

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.
Prerequisite(s): GEOG 280 and GISC 316
Recent Term(s) Offered: spring 2019

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 2017

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: winter 2017; spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

GEOG 480 Urban Geography 3 Hours
Geographic principles related to basic elements of distribution, structure, functional relationships, and regional setting of urban centers are discussed. Colonnade SB
Recent Term(s) Offered: spring 2018

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 2018

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: fall 2017

GEOG 488 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: fall 2018
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 E-NS | NS
Equivalent(s): GEG 103
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 the majority. Colonnade E-NS | NS
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

GEOL 112  Earth History  3 Hours
Geologic study of Earth history: major land, sea, and life patterns throughout geologic time. Topics include the development of geology as a science, nature and significance of the fossil record, basic stratigraphic relations, theories concerning the origin of Earth and the solar system, prehistoric life, paleogeography, and global tectonics. Students electing to meet their general education laboratory requirement through GEOL 114 must simultaneously enroll in the GEOL 112 lecture course. The associated laboratory is required for Geology majors, minors, and some prospective science teachers, but is optional for the majority. Colonnade E-NS | NS
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 the majority. Colonnade E-SL | SL
Prerequisite(s): GEOL 111 (may be taken concurrently) or GEOL 103 (may be taken concurrently) or GEOL 103 (may be taken concurrently)
Course Fee: $15
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

GEOL 114  Earth History Lab  1 Hour
Laboratory work designed to accompany GEOL 112. Sedimentary rocks, fossil specimens, stratigraphic concepts, and geologic maps are studied. This laboratory is required for Geology majors and minors and some prospective science teachers, but is optional for the majority. Colonnade E-SL | SL
Prerequisite(s): GEOL 112 (may be taken concurrently)
Course Fee: $15
Recent Term(s) Offered: spring 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: fall 2017; fall 2018; fall 2019

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): PHYS 295, CS 295, BIOL 295, CHEM 295, MATH 295, ENGR 295
Recent Term(s) Offered: None
GEOL 305  Earth System Science for Teachers  3 Hours
Collaborative, problem-based learning (PBL) experience, using real-world
elements to introduce 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 2017; fall 2018

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 2017; fall 2018

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 2017; spring 2018; spring 2019

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
equestration and renewable energy resources. Colonnade 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 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

GEOL 335  Petrology  4 Hours (repeatable max of 4 hrs)
The study of the origin, characteristics, occurrence, and classification of
igneous and metamorphic rocks, and of the processes that lead
to their formation. Their occurrence in relation to plate tectonics is
stressed. Laboratory work includes petrographic study of igneous and
metamorphic rocks in hand specimen and in thin section. A field trip is
required.
Prerequisite(s): GEOL 330
Course Fee: $35
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

GEOL 350  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 2017; spring 2018; spring 2019

GEOL 360  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 2017; fall 2018; fall 2019

GEOL 380  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 2017; summer 2017; fall 2017; spring 2018;
fall 2018; spring 2019

GEOL 399  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 405  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 and MATH 117 (may be taken
concurrently)
Course Fee: $40
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019
GEOL 415  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: fall 2017; fall 2018; fall 2019

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 GEOG 103)
Equivalent(s): GEOG 420
Recent Term(s) Offered: fall 2019

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: spring 2018

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: spring 2017; spring 2019

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: fall 2017; fall 2018

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: fall 2018

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: winter 2017; summer 2017; fall 2017; spring 2018; summer 2018; spring 2019; summer 2019

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: spring 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019
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: fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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)
Course Fee: $7
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019

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: summer 2017; summer 2018; summer 2019

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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; spring 2019

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 201  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: summer 2017; summer 2018; summer 2019

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 AH
Prerequisite(s): (GERM 202 or AVANT Lang German Placement with a score of 5)
Recent Term(s) Offered: fall 2017

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 2017; summer 2018; spring 2019; summer 2019

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: fall 2017; fall 2019

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 2019
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 AH
Prerequisite(s): (GERM 202 or AVANT Lang German Placement with a
score of 5)
Recent Term(s) Offered: summer 2017

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 AH
Prerequisite(s): (GERM 202 or AVANT Lang German Placement with a
score of 5)
Recent Term(s) Offered: fall 2018

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): Students cannot enroll who are in German (380) or German
(683)
Recent Term(s) Offered: fall 2017; spring 2018

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 2017; spring 2019

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: spring 2018

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: spring 2018

GERM 439  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): Students cannot enroll who are in German (380) or German
(683)
Recent Term(s) Offered: fall 2017; spring 2018

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: spring 2017; summer 2017; summer 2018; fall 2018;
summer 2019; fall 2019

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: fall 2018

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 E-SB | SB
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017;
spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: spring 2017; spring 2018; spring 2019

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: spring 2017; fall 2017; fall 2018

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: spring 2017; fall 2017; fall 2018; fall 2019

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: spring 2018
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. recent Term(s) Offered: spring 2017

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 2017; spring 2018; spring 2019; summer 2019

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. recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 2017; fall 2017; fall 2018; spring 2019; fall 2019

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: fall 2017; fall 2018; spring 2019

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 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

HCA 345  Long-Term Care Administration  3 Hours
Introduces the special topics and operating environment facing long-term care managers today. Emphasis is on regulation, 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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; fall 2019

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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
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 2017; fall 2017; spring 2018; spring 2019

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: winter 2017; spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; spring 2017; summer 2017; winter 2018; summer 2018; winter 2019; spring 2019; summer 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; fall 2018; winter 2019; spring 2019; fall 2019

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 201 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 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019
HCA 450  Internship in Long-term Care  1-3 Hours (repeatable max of 3 hrs)
Internships provide 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-School (HIM 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: summer 2017; summer 2018

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: fall 2017

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: fall 2017

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; spring 2019

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: fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

(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 2017; spring 2018; fall 2018; fall 2019

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 2017; summer 2017; spring 2018; spring 2019
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: summer 2017; fall 2017; winter 2018; spring 2018; fall 2018; winter 2019; spring 2019; fall 2019

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: winter 2017; spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

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 2018; spring 2019

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 2018; spring 2019

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 2018; fall 2019

HIM 445 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 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2018; fall 2019

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 F-SB
Equivalent(s): HIS119
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 F-SB | SB
Equivalent(s): HIST 120
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 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 SB
Equivalent(s): HIST 102
Recent Term(s) Offered: None

HIST 175  University Experience-History/ Social Sciences  3 Hours
Transition to university experience. Topics include study skills, critical thinking skills, library education, exploration of majors and careers, iCAP reports, campus resources, and personal development. Special attention is given to educational requirements, careers, and resources in history and social studies. Note: For beginning college freshmen or transfer students with fewer than 24 semester hours of credit.
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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Equivalent(s): PS 200, ANTH 200, SPAN 200, GEOG 200
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; spring 2019; summer 2019; fall 2019

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: winter 2017; spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

HIST 280  Techniques / Hist Research  1 Hour
An introduction to the study and techniques of historical research and writing. This course must be taken before the last 12 hours of history course work.
Recent Term(s) Offered: None

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: spring 2017; spring 2018; fall 2019

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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: fall 2017

HIST 305  Ancient Greece  3 Hours
A survey emphasizing the political, cultural, social, and economic aspects of Greek civilization. Colonnade K-SY | AH
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

HIST 306  Ancient Rome  3 Hours
A survey emphasizing the political, cultural, social, and economic aspects of Roman civilization. Colonnade K-SY | AH
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: fall 2017; spring 2018; summer 2018; spring 2019; fall 2019

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 K-SY | AH
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; fall 2018; summer 2019

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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; spring 2018

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 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 2017; spring 2019

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.
Prerequisite(s): (HIST 101 or HIST 102 or HIST 240)
Recent Term(s) Offered: fall 2019

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 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 AH
Prerequisite(s): (HIST 101 or HIST 102)
Recent Term(s) Offered: spring 2018
**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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Equivalent(s): PS 320
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

**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: fall 2017; summer 2018

**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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: None

**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 K-SC
Prerequisite(s): (HIST 101 or HIST 102) and 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: fall 2017; winter 2019

**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: fall 2019

**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 2017; spring 2019

**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: spring 2018; fall 2019

**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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

**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 2017

**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, mehtods and approaches of popular culture history. Colonnade 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: spring 2017; fall 2018
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<th>Course Code</th>
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| HIST 341    | 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 over time. **Colonnade K-SC**
| **Prerequisite(s):** | 21 hours of Foundations and Explorations Courses, or junior status |
| Recent Term(s) Offered: | spring 2017; spring 2018 |
| 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: None** |
| 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: spring 2019** |
| 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 2017; spring 2019** |
| HIST 350    | American Borderlands and the West | 3 Hours | An exploration of borderlands/frontiers in American history with a particular focus on the trans-Mississippi West in the nineteenth century. **Recent Term(s) Offered: None** |
| HIST 353    | Indian Peoples of North America | 3 Hours | A study of the indigenous people of North America from precontact to the present, with an emphasis on Indian peoples in the United States. Note: HIST 240 or HIST 241 recommended, but not required. **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: spring 2017; spring 2018** |
| 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: spring 2017; fall 2017; spring 2018** |
| 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 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 K-SC**
| **Prerequisite(s):** | 21 hours of Foundations and Explorations Courses, or junior status
| **Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; spring 2019; fall 2019** |
| HIST 366    | 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 K-LG**
| **Prerequisite(s):** | 21 hours of Foundations and Explorations Courses, or junior status
| **Recent Term(s) Offered: fall 2017; fall 2018; spring 2019; fall 2019** |
| 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: spring 2018** |
| 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 K-LG**
| **Prerequisite(s):** | 21 hours of Foundations and Explorations Courses, or junior status
| **Recent Term(s) Offered: fall 2017; fall 2018** |
| 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 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 2018** |
| 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 K-SC**
| **Prerequisite(s):** | 21 hours of Foundations and Explorations Courses, or junior status
| **Recent Term(s) Offered: summer 2018; summer 2019** |
| 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 K-SY**
| **Prerequisite(s):** | (HIST 101 or HIST 102) and 21 hours of Foundations and Explorations Courses, or junior status
| **Recent Term(s) Offered: spring 2018** |
| 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 2018** |
| 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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: fall 2017; spring 2019; fall 2019

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 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 2017; spring 2019

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: summer 2017

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 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 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 civil rights and social justice in the 20th century America. Note: Permission of instructor. Colonnade 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 2019

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: fall 2018

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 2017

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 loyal, regional, and global contexts.
Recent Term(s) Offered: spring 2018; fall 2018

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: None

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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
Recent Term(s) Offered: fall 2017; fall 2019

HIST 446    American Legal History Since 1865    3 Hours
Recent Term(s) Offered: spring 2017; spring 2018; fall 2018

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.
Prerequisite(s): (HIST 101 or HIST 102)
Recent Term(s) Offered: spring 2018

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: None
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 2017; spring 2018; spring 2019; fall 2019

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 2018; fall 2019

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: spring 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019

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: fall 2017; spring 2019

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: spring 2017

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 K-LG
Recent Term(s) Offered: fall 2018; fall 2019

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 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 2017

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: None

HIST 465  The Mexican Republic  3 Hours
A study of Mexico from 1824 to the present.
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: spring 2018

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: summer 2019

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 2017; fall 2017; spring 2018; summer 2018;
fall 2018; spring 2019

HIST 490  Topics in History I  3 Hours
A detailed study of selected topics in history.
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017;
 winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019;
fall 2019

HIST 491  Topics in History II  3 Hours (repeatable max of 6 hrs)
A detailed study of selected topics in history.
Recent Term(s) Offered: winter 2017; summer 2017; winter 2019

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 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: fall 2018; spring 2019

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 2017; fall 2018

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: fall 2017; fall 2018; spring 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; spring 2017; summer 2017; fall 2017; winter 2018; summer 2018; winter 2019; spring 2019; summer 2019; fall 2019

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: spring 2017; fall 2017; spring 2018

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017

HON 375  Honors Internship II  3 Hours
Prerequisite(s): HON 275 (may be taken concurrently) and good standing in the Honors CollegeSecond 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 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019
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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

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: fall 2017; fall 2018; fall 2019

HORT 305   Landscape Maintenance Laboratory   1 Hour
A laboratory course correlated with HORT 304.
Corequisite(s): HORT 304
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 2017; fall 2017; spring 2018; spring 2019

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 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

HORT 340   Commercial Floriculture Production   3 Hours
Commercial greenhouse production of floriculture crops, focusing on the production of bedding plants, potted flowering plants, foliage plants and other miscellaneous crops.
Prerequisite(s): HORT 316 and HORT 317
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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: None

HORT 404  Landscape Design and Construction Laboratory  1 Hour
A laboratory course correlated with HORT 403.
Corequisite(s): HORT 403
Recent Term(s) Offered: None

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 405
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 407
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

HORT 408  Plant Propagation Laboratory  1 Hour
A laboratory course correlated with HORT 407.
Corequisite(s): HORT 407
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

HORT 412  Modern Fruit Production  3 Hours
Production, harvesting, post-harvest handling, and marketing of the major tree and small fruits of the temperate region. Emphasis is given to those crops adaptable to Kentucky.
Prerequisite(s): AGRO 110
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

HORT 419  Vegetable Production  3 Hours
Production of vegetables that are particularly suited for Kentucky, considering variety selection, culture, harvesting, processing, and marketing. Note: Permission of instructor may be required.
Prerequisite(s): AGRO 110 (may be taken concurrently)
Recent Term(s) Offered: spring 2018

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 2017; spring 2018; spring 2019

HORT 426  Viticulture  3 Hours
An introductory study of grape culture including morphology and growth habit, geographical distribution, dormant pruning techniques, canopy management, management of grapevine pests, and vineyard establishment/maintenance. Students must arrange their own travel to the field site. Note: Permission of instructor may be required.
Prerequisite(s): AGRO 110 and AGRO 350
Recent Term(s) Offered: spring 2018

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: summer 2018; spring 2019

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: spring 2018

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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

HMD 201  Introduction to Dietetics  1 Hour
Introduction to dietetics including academic and professional preparation.
Recent Term(s) Offered: fall 2018; fall 2019
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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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.
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; summer 2019; fall 2019

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 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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.
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; summer 2018; fall 2018; spring 2019; summer 2019

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.
Corequisite(s): HMD 361
Recent Term(s) Offered: fall 2018; fall 2019

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 2017; summer 2017; spring 2018; summer 2018; spring 2019; summer 2019

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 2017; fall 2017; spring 2018; spring 2019; fall 2018; spring 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; spring 2019; fall 2018; spring 2019; fall 2019

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 2017; spring 2018; spring 2019

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)
Corequisite(s): HMD 340
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019
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 361 and (CHEM 304 or CHEM 109)
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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: spring 2017; summer 2017; summer 2018; summer 2019

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: spring 2017; spring 2018

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: spring 2017; fall 2017

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 2017; fall 2018; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019

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 2017; fall 2018; fall 2019

HMD 382  Hospitality and Tourism Law  3 Hours
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: spring 2017; spring 2018; spring 2019

HMD 392  Hospitality Management and Dietetics Internship  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
Recent Term(s) Offered: summer 2017; summer 2018; summer 2019

HMD 402  Hospitality Management and Dietetics Practicum  3 Hours
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 six hours.
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may not enroll.
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; summer 2018; spring 2019; summer 2019

HMD 410  Internship in Hospitality Management  3-6 Hours (repeatable max of 6 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 six hours.
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may not enroll.
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; summer 2018; spring 2019; summer 2019

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: fall 2017; fall 2018; spring 2019; fall 2019

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: spring 2017; fall 2017; spring 2018; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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
Recent Term(s) Offered: summer 2017; summer 2018; summer 2019
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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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: winter 2017; fall 2017; fall 2018; fall 2019

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 251  
Restriction(s): Enrollment limited to students with a semester level of Post-Baccalaureate-Degree Seek or Senior.  
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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: None

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: fall 2018; fall 2019

HMD 476 Global Cuisine 3 Hours  
Exploration of cuisines, customs, and culture from regions of the world. Experiential exploration of food and culture taught in a travel and cooking learning environment. The laboratory component includes preparation of a variety of international recipes. Regions vary per term. Field trips/travel at student’s expense.  
Recent Term(s) Offered: winter 2019

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 AH  
Corequisite(s): HUM 170, HUM 173, 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 AH  
Corequisite(s): HUM 173, HUM 171, HUM 170  
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 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 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 AH  
Corequisite(s): HUM 181, HUM 183  
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 AH  
Corequisite(s): HUM 181, HUM 182  
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 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 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 AH  
Recent Term(s) Offered: None

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**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. 
**Prerequisite(s):** MATH 100C with a minimum grade of B or MATH 110 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 and 21 hours of Foundations and Explorations Courses, or junior status
**Equivalent(s):** MATH 240
**Recent Term(s) Offered:** spring 2017; spring 2019

**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 well.
**Recent Term(s) Offered:** None

**Instructional Design (ID)**

**ID 460  INTRODUCTION TO ID  3 Hours**
**Recent Term(s) Offered:** spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

**ID 465  ANALYSIS AND DESIGN  3 Hours**
**Recent Term(s) Offered:** spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

**ID 470  DEVELOPMENT AND EVALUATION  3 Hours**
**Recent Term(s) Offered:** spring 2018; fall 2018; spring 2019; fall 2019

**ID 475  MULTIMEDIA FOR TRAINING  3 Hours**
**Recent Term(s) Offered:** fall 2018; spring 2019; fall 2019

**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
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): SPED 331
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

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: fall 2017; fall 2018; fall 2019

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 IECE 320
Corequisite(s): LTCY 310, SPED 422, IECE 325, IECE 326
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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: spring 2017; spring 2018; spring 2019

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 2017; spring 2018; spring 2019

IECE 421  Advanced Curriculum and Instruction for Infants and Toddlers  3 Hours
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): FACS 295
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

IECE 422  Advanced Curriculum Development for Young Children  3 Hours
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): FACS 296
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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: spring 2019

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 2017; spring 2018; spring 2019

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 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; spring 2018; spring 2019
Interdisciplinary Studies(BIS) (IDST)

**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 2017; summer 2017; winter 2018; summer 2018; winter 2019; summer 2019

**IDST 369**  
Career Related Field Experience  1-3 Hours (repeatable max of 3 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:** winter 2017; spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

**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 2017; spring 2018; spring 2019

**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 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

**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.  
**Prerequisite(s):** 21 hours of Foundations and Explorations Courses, or junior status  
**Recent Term(s) Offered:** spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

**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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

**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:** spring 2017; fall 2017; fall 2018; spring 2019; fall 2019

**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.  
**Prerequisite(s):** IDST 395 (may be taken concurrently)  
**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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

**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 2017; spring 2017; spring 2018; spring 2019; fall 2019

**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 2017; spring 2018; spring 2019
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 2017; spring 2018; spring 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2019

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 2017; spring 2018

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
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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. 
Prerequisite(s): (IDFM 120 with a minimum grade of C or DMT 120 with a minimum grade of C)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; fall 2019

IDFM 226  Fashion Illustration  3 Hours
Survey of industry methods for communicating design concepts and presenting finished products. Emphasis is on application of basic sketching and rendering skills for use in the fashion industry. 
Prerequisite(s): (IDFM 132 or DMT 132 or CFS 132)
Recent Term(s) Offered: None

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 CFS 131) or DMT 131 and (IDFM 223 or DMT 223 or CFS 223)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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 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)
Corequisite(s): IDFM 222
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019
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 222 with a minimum grade of C and IDFM 300 with a minimum grade of C and IDFM 304 (may be taken concurrently) with a minimum grade of C and IDFM 344 (may be taken concurrently) with a minimum grade of C and IDFM 427 (may be taken concurrently) with a minimum grade of C)
Corequisite(s): IDFM 304
Course Fee: $20
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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: summer 2019

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: fall 2017; fall 2018; fall 2019

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 2017; summer 2017; fall 2017; fall 2018; spring 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 CFS 132) or DMT 132 and MKT 220
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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)
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

IDFM 335 Apparel Design Production 3 Hours
Overview of fashion industry sectors and business strategies in the planning, creation, production, merchandising, and distribution of fashion brands.
Prerequisite(s): (IDFM 221 or DMT 221) and (IDFM 131 or DMT 131 or CFS 131)
Recent Term(s) Offered: fall 2018; fall 2019

IDFM 344 Digital Rendering for Interiors 3 Hours
Introduction to computer-aided 3-D modeling using AutoCAD and 2D/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 CFS 222) or DMT 222 and (IDFM 300 or DMT 300)
Corequisite(s): IDFM 301
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 CFS 222) or DMT 222 and (IDFM 300 or DMT 300)
Corequisite(s): IDFM 301
Recent Term(s) Offered: None

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)
Corequisite(s): IDFM 403
Course Fee: $20
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019
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 2017; spring 2018; spring 2019

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.
Equivalent(s): IDFM 401
Recent Term(s) Offered: fall 2017; fall 2018

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 2017; summer 2017; fall 2017; spring 2018;
summer 2018; fall 2018; winter 2019; spring 2019; summer 2019

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 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019

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: spring 2017; fall 2017; spring 2018; fall 2018; spring
2019

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: spring 2017; summer 2017; spring 2018; spring 2019

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 2017

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: spring 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019

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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or
junior status and (PSY 100 or PSYS 100 or SOCL 100)
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017;
winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019;
summer 2019; fall 2019

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 2017; summer 2017; spring 2018; spring 2019

IDFM 433  Fashion Synthesis  3 Hours
A multi-functional team approach to creative problem solving and
development of apparel and related products and services. Includes
application, evaluation, presentation, and synthesis of merchandising,
design, and production processes. Laboratory and field trips.
Prerequisite(s): (IDFM 333 or DMT 333 or CFS 333) and IDFM 335
Course Fee: $20
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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: spring 2018
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: spring 2017; fall 2017; spring 2018; fall 2018; fall 2019

IDFM 438  Merchandising II for IDFM  3 Hours
Study of the principles of effective fashion merchandising. Students apply learning experiences to store design and layout, management patterns, fashion promotion, and financial control.
Prerequisite(s): IDFM 322
Recent Term(s) Offered: fall 2017; fall 2018

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: None

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: None

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)
Course Fee: $7
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: summer 2017; summer 2018; summer 2019

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: spring 2017; fall 2017; fall 2018; fall 2019

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)
Course Fee: $7
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; spring 2019

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: summer 2017

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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019
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: summer 2017; summer 2018; summer 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 SJB 101 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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

JOUR 303 Internship in Reporting 3 Hours (repeatable max of 3 hrs)
A practical experience in the field under the guidance of a professional in the journalism field. The student will work 150 hours at an approved professional agency. Minimum grade of C required. Students may enroll in the course only in the term of internship.
Prerequisite(s): JOUR 302 with a minimum grade of C
Restriction(s): Enrollment is limited to students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may not enroll.
Recent Term(s) Offered: None

JOUR 304 Investigative Reporting 3 Hours
Recent Term(s) Offered: None

JOUR 305 Current Issues in Mass Communication 3 Hours
Recent Term(s) Offered: None

JOUR 306 Broadcast Reporting 3 Hours
Recent Term(s) Offered: None

JOUR 307 Reporting Special Topics 3 Hours
Recent Term(s) Offered: None

JOUR 308 Feature Writing 3 Hours
Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may not enroll.
Recent Term(s) Offered: None

JOUR 322 Advanced Feature Writing 3 Hours
Recent Term(s) Offered: None

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 2017; fall 2017; spring 2018; fall 2018; fall 2019

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 323 with a minimum grade of C and 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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

JOUR 326 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 2017; spring 2018; spring 2019

JOUR 426 Advanced Reporting 3 Hours
Recent Term(s) Offered: None

JOUR 427 Advanced Reporting 3 Hours
Recent Term(s) Offered: None

JOUR 428 Advanced Reporting 3 Hours
Recent Term(s) Offered: None

JOUR 429 Advanced Reporting 3 Hours
Recent Term(s) Offered: None

JOUR 430 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 431 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 432 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 433 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 434 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 435 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 436 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 437 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 438 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 439 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 440 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 441 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 442 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 443 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 444 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 445 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 446 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 447 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 448 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 449 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 450 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 451 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 452 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 453 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 454 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 455 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

JOUR 456 Capstone Seminar in Journalism 3 Hours
Recent Term(s) Offered: None

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): KORE 101
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may not enroll.
Recent Term(s) Offered: summer 2017; winter 2018; spring 2018; fall 2018; winter 2019; spring 2019
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: winter 2017; spring 2017; fall 2017; fall 2018

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 2017; summer 2018; fall 2018; summer 2019; fall 2019

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: fall 2017

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: spring 2017; spring 2018

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. 
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Equivalent(s): LEA 200C 
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019
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: spring 2017; fall 2018; fall 2019

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: spring 2017; fall 2017; summer 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; fall 2017; winter 2018; spring 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; summer 2018; spring 2019

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: spring 2017; summer 2018; spring 2019

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: summer 2017

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: fall 2017

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 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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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.
Equivalent(s): LTC 199C
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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 2017; spring 2018; spring 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
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.

Equivalent(s): MGMT 200C
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

**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, and controlling 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) and COBA Course Eligibility with a score of 2

Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

**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.

Prerequisite(s): COBA Course Eligibility with a score of 2

Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

**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) and COBA Course Eligibility with a score of 2

Recent Term(s) Offered: winter 2017; summer 2017; fall 2017; summer 2018; fall 2018; fall 2019

**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): COBA Course Eligibility with a score of 2 and MGT 200

Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

**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) and COBA Course Eligibility with a score of 2

Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

**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): ECO 206C) (ECO 206 and CIS 243 and COBA Course Eligibility with a score of 2

Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

**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): (ECO 206 or ECO 206C) and COBA Course Eligibility with a score of 2

Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

**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.

Prerequisite(s): COBA Course Eligibility with a score of 2

Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; spring 2018; summer 2018; spring 2019; fall 2019
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 and COBA Course Eligibility with a score of 2
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.
Prerequisite(s): COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

MGT 361 Business Communication Fundamentals 3 Hours
Emphasis on communication fundamentals essential for business. Electronic communications in the business environment, research tools for business, reports, presentations, resumes and correspondence.
Prerequisite(s): COBA Course Eligibility with a score of 2
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 CIS 243 and COBA Course Eligibility with a score of 2
Restriction(s): Enrollment is limited to students in Management (723)
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

MGT 390 Value Creation in Emerging Markets 3 Hours
Examination of techniques for competing in emerging markets.
Prerequisite(s): COBA Course Eligibility with a score of 2
Recent Term(s) Offered: None

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) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: summer 2017; fall 2017; summer 2018; fall 2018; summer 2019; fall 2019

MGT 410 Senior Seminar-Management 3 Hours (repeatable max of 9 hrs)
A special topics course covering subjects of current interest in management.
Prerequisite(s): COBA Course Eligibility with a score of 2
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may not enroll.
Recent Term(s) Offered: spring 2017; spring 2018; summer 2018; fall 2018; summer 2019

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) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: winter 2017; spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

MGT 419 Management of Organizational Conflict 3 Hours
Designed to develop skills needed to manage interpersonal, intragroup, and intergroup conflict in organizations.
Prerequisite(s): COBA Course Eligibility with a score of 2
Recent Term(s) Offered: fall 2017

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 PSY 370 or PSYS 370) and COBA Course Eligibility with a score of 2
Equivalent(s): PSYS 473
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019
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) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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): (ACCT 201 or CIS 243) (CIS 343 and FIN 330 and (MGT 310 or MGT 210) and MGT 314 or MKT 220) and (MKT 320 and COBA Course Eligibility with a score of 5
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may not enroll.
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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)) and COBA Course Eligibility with a score of 2
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may not enroll.
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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.
Equivalent(s): MGT 200
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; fall 2019

Manufacturing Mgmt (So Campus) (MFG)

MFG 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

MFG 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 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 220 (MKT 320 and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
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 220) (MKT 320 and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; spring 2018; summer 2018; spring 2019; summer 2019

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) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: winter 2017; spring 2017; fall 2017; winter 2018; fall 2018; winter 2019; summer 2019

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.
Prerequisite(s): COBA Course Eligibility with a score of 2
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 non-sports products and services.
Prerequisite(s): MKT 220) (MKT 320 and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 220) (MKT 320 and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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): (CIS 141 or CSCI 145C) and (MKT 320 or MKT 220) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: winter 2017; spring 2017; fall 2017; winter 2018; summer 2018; winter 2019; fall 2019

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 220) (MKT 320 and ECON 306 and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 and COBA Course Eligibility with a score of 5
Restriction(s): Enrollment is limited to students in Marketing (720)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
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 and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 and COBA Course Eligibility with a score of 2
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may not enroll.
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2018; fall 2018; spring 2019; fall 2019

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) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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) and COBA Course Eligibility with a score of 2
Recent Term(s) Offered: winter 2018

MKT 499  Senior Assessment  1 Hour
Preparation for and administration of the senior assessment exam. Discussion of educational and career opportunities beyond the baccalaureate degree.
Prerequisite(s): COBA Course Eligibility with a score of 2
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may not enroll.
Recent Term(s) Offered: None

Mathematics (So Campus) (MA)

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 F-QR | QR
Equivalent(s): MATH 109
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 F-QR
Equivalent(s): MATH 115
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 F-QR | QR
Prerequisite(s): (ACT Math with a score of 20 or SAT Mathematics Score with a score of 560 or MPE - Algebra with a score of 12 or KYOTE College Algebra with a score of 12)
Equivalent(s): MATH 116
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

MA 117C  Trigonometry  3 Hours
Unit circle; trigonometric functions and graphs; trigonometric identities and equations; right triangle trigonometry; laws of sines and cosines; DeMoivres 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 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: summer 2017; summer 2018
Mathematics (Univ) (MATH)

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: None

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. 
Prerequisite(s): MA 109C 
Equivalent(s): 
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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. 
Prerequisite(s): (ACT Math with a score of 19 or SAT Mathematics Score with a score of 510) 
Equivalent(s): MA 109C 
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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). 
Prerequisite(s): (ACT Math with a score of 22 or SAT Mathematics Score with a score of 560 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) 
Equivalent(s): MA 115C 
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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.) 
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) 
Equivalent(s): MA 116C 
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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. 
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)
Equivalent(s): MA 117C 
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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. 
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. 
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. 
Prerequisite(s): (ACT Math with a score of 22 or SAT Mathematics Score with a score of 560 or MPE - Algebra with a score of 14 or KYOTE College Algebra with a score of 14) 
Recent Term(s) Offered: fall 2018; spring 2019; fall 2019
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 F-QR | QR
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))
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 be met. Colonnade 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 F-QR | QR
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 109 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 MATH 116 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)
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 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) or Middle Grades Education (579)
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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) or Middle Grades Education (579)
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019
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.  

**Colonmade 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:** spring 2017; spring 2019  

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 2017; fall 2017; spring 2018; fall 2018; spring 2019  

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):** BIOL 295, CS 295, PHYS 295, GEOL 295, CHEM 295, ENGR 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:** fall 2017; spring 2018; fall 2018; spring 2019; fall 2019  

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019  

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 2017; fall 2018  

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  

**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 221 with a minimum grade of C)  

**Recent Term(s) Offered:** spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019  

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019  

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019  

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

MATH 323 Geometry I 3 Hours
Beginning with a re-examination of elementary Euclidean geometry, the course includes a study of absolute plane geometry and the parallel postulate, which leads to an axiomatic treatment of hyperbolic geometry and related topics.
Prerequisite(s): MATH 307 with a minimum grade of C
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; spring 2019; fall 2019

MATH 338 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 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 2017; spring 2018; spring 2019

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 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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: fall 2017; fall 2018; fall 2019

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 2017; fall 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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 2018

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: summer 2017; summer 2018; summer 2019
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 2017; fall 2017; spring 2018; fall 2018; spring 2019

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 225 with a minimum grade of C or MATH 302 with a minimum grade of C)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; fall 2019

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 2017; spring 2018

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 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 2017; spring 2018; spring 2019

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 2018; fall 2019

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 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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: fall 2019

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: None

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 2017; spring 2018; spring 2019

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 2017; spring 2018; spring 2019
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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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.  
Students cannot enroll who are in Mathematical Economics (731)  
Equivalent(s): ECON 497  
Recent Term(s) Offered: None

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: winter 2017; spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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) and ME 241 with a minimum grade of C  
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
ME 310  Engineering Instrumentation and Experimentation  3 Hours
The use of sensors and instruments to measure the behavior of mechanical systems is explored in lectures and laboratory exercises. Application of sensors, calibration of systems, and methods of data collection and analysis are covered with an emphasis on uncertainty analysis.
Prerequisite(s): EM 303 and EE 210 and ME 347 (may be taken concurrently)
Course Fee: $160
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

ME 321  Engineering Thermodynamics II  3 Hours
Prerequisite(s): ME 220 and MATH 331
Recent Term(s) Offered: fall 2018; fall 2019

ME 325  Elements of Heat Transfer  3 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 2017; fall 2018; fall 2019

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 similitude, hydraulic machinery analysis and pipe networks.
Prerequisite(s): ME 220 with a minimum grade of C and MATH 331 and MATH 237
Corequisite(s): ME 332
Recent Term(s) Offered: spring 2017; summer 2017; spring 2018; summer 2018; spring 2019; summer 2019

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 2017; summer 2017; spring 2018; summer 2018; spring 2019; summer 2019

ME 333  Heat Transfer 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 heat transfer measurements and heat transfer component characteristics.
Prerequisite(s): ME 332
Corequisite(s): ME 325
Course Fee: $160
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 (EM 303 (may be taken concurrently) or EM 302 (may be taken concurrently)) and MATH 331 (may be taken concurrently)
Course Fee: $35
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; fall 2017; spring 2018

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018
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 is required.
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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: spring 2017; summer 2017; winter 2018; spring 2018; summer 2018; winter 2019; spring 2019; summer 2019

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: fall 2017; fall 2018; fall 2019

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: spring 2017; spring 2018; spring 2019

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 E-NS, E-SL | NS, SL
Course Fee: $50
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 2017; spring 2018; spring 2019

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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status and METR 121
Recent Term(s) Offered: fall 2017; fall 2019

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
Course Fee: $50
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 2018

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 2017; fall 2019
METR 422 Physical Climatology  4 Hours
Addresses the complexity of climactic 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: fall 2017

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 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 2017; fall 2019

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: spring 2017; fall 2018

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 2018

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 2017; spring 2019

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 2018

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: spring 2017

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 2017; spring 2019

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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019
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: fall 2018

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 2017; fall 2018; fall 2019

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 sites. 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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

Military Science (MIL)

MIL 101 Military Mountaineering and Leadership  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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

MIL 102 Developmental Skills  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 2017; spring 2018; spring 2019

MIL 201 Basic Leadership  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 2017; fall 2018; fall 2019

MIL 202 Team Building and Military 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 2017; spring 2018; spring 2019

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 2017; summer 2018; summer 2019

MIL 301 Military Leadership and Management  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 2017; fall 2018; fall 2019

MIL 302 Military Leadership and Advanced Tactical Skills  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 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019
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 2017; spring 2018; spring 2019

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 2017; summer 2018; summer 2019

MIL 490  Military Leadership Seminar  1 Hour
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 2017; spring 2018; spring 2019; fall 2019

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 Literature in Translation  3 Hours
Introductory study of world literature through fiction, poetry, and drama. Texts come from a specific national literature in English translation. Substantial writing about literature will be required. Colonnade 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 620).
Recent Term(s) Offered: fall 2017; spring 2018; fall 2018; fall 2019

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: spring 2017; spring 2018

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: fall 2017; fall 2018; fall 2019

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  3 Hours
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, harmonic progression, rhythmic reading, sight singing, melodic and harmonic dictation. Note: Theory Placement Exam is required to get into course.
Recent Term(s) Offered: fall 2017; spring 2018; fall 2018; fall 2019

MUS 101  Theory II  3 Hours
Continuation of melodic and harmonic dictation, rhythmic reading, and sight singing, phrase and period, non-chord tones, diatonic seventh chords, secondary dominant and leading tone chords.
Prerequisite(s): MUS 100
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 E-AH | AH
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

MUS 150 Applied Music Secondary 1 Hour (repeatable max of 4 hrs) 1-hour, Secondary lessons for non-majors.
Course Fee: $50
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

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 2017; fall 2018; fall 2019;

MUS 153 Applied Music Principal 2 Hours (repeatable max of 10 hrs)
Principal lessons for music majors.
Corequisite(s): MUS 155
Course Fee: $50
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

MUS 160 Group Piano I 1 Hour
A course for beginners. Scales and keyboard skills.
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

MUS 161 Group Piano II 1 Hour
A course for beginners. Scales and keyboard skills.
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; fall 2017; spring 2018; fall 2018; fall 2019

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 3 Hours
Continuation of melodic and harmonic dictation, rhythmic reading, sight singing, modulation, binary and ternary forms, mode mixture, Neapolitan chords, and augmented sixth chords.
Prerequisite(s): MUS 101
Recent Term(s) Offered: summer 2017; fall 2017; fall 2018; fall 2019

MUS 201 Theory IV 3 Hours
Continuation of melodic and harmonic dictation, rhythmic reading, and sight singing, composition of a sonatina in eighteenth century style for piano, enharmonic modulation, extended and altered dominant chords, late nineteenth century techniques, techniques of the twentieth century, post-tonal techniques.
Prerequisite(s): MUS 200
Recent Term(s) Offered: spring 2017; summer 2017; spring 2018; summer 2018; spring 2019

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 2017; spring 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; spring 2018; spring 2019
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 Sonatina.
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 Sonatina.
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: winter 2017; summer 2017; winter 2018; summer 2018; winter 2019; spring 2019; summer 2019

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 2017; fall 2018; fall 2019

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: fall 2017; summer 2018; fall 2018; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 primary and primary learners. Observation and field experiences will be required.
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; fall 2019

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 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

MUS 318  Conducting II  2 Hours
Continuation of Conducting I. Score reading.
Prerequisite(s): MUS 317
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: None
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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: fall 2017; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 K-SC
Prerequisite(s): MUS 120 and 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: fall 2017; fall 2018

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 2019

MUS 326  The History of Music I  3 Hours
Music history from early times through Late Baroque. Assigned readings and recorded illustrations. Colonnade AH
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

MUS 327  The History of Music II  3 Hours
Music history from Classical through present. Assigned readings and recorded illustrations. Colonnade AH
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status and MUS 120
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; spring 2019

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 338  DIR Independent Study  1-3 Hours
Supervised, guided individual study in a specialty area.
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2018; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

MUS 350  Applied Music Secondary  1 Hour (repeatable max of 4 hrs)
1-hour, Secondary lessons for non-music majors.
Course Fee: $50
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

MUS 353  Applied Music Principal  2 Hours (repeatable max of 10 hrs)
Principal lessons for music majors.
Corequisite(s): MUS 155
Course Fee: $50
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

MUS 357  Applied Music Major  3 Hours (repeatable max of 9 hrs)
Principal lessons for music majors.
Corequisite(s): MUS 155
Course Fee: $50
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: fall 2018; spring 2019; fall 2019

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: fall 2018; spring 2019; fall 2019
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 2019

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 2019

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, Orchestral Strings)
Recent Term(s) Offered: fall 2018; spring 2019; fall 2019

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 2017; spring 2018; spring 2019

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: summer 2017; fall 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

MUS 430  Music Literature  3 Hours (repeatable max of 6 hrs)
A variable topic course which may be taken more than once for credit. Typical term sub-titles are as follows: American Music, Band Literature, Baroque Period, Chamber Music, Keyboard Literature, Medieval and Renaissance Music, Opera Literature, Symphonic Literature, Vocal Literature, World Music.
Recent Term(s) Offered: spring 2017; summer 2017; summer 2018; spring 2019

MUS 457  Applied Music Major  3 Hours (repeatable max of 6 hrs)
Principal lessons for music majors.
Corequisite(s): MUS 155
Course Fee: $50
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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.
Corequisite: MUS 155
Course Fee: $50
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

NURS 300  Concepts of Disease Processes  3 Hours
Explores the pathophysiological processes influencing the health of clients across the lifespan and the role of the nurse in assessing manifestations of these processes.
Restriction(s): Enrollment is limited to students in Nursing (RN to BSN) (996)
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019; summer 2019; fall 2019
NURS 309 Health Assessment Across the Lifespan 3 Hours (repeatable max of 3 hrs)
Development of physical assessment skills to determine health status of clients across the life span.
Restriction(s): Enrollment is limited to students in Nursing (RN to BSN) (596)
Recent Term(s) Offered: summer 2017; summer 2018; summer 2019

NURS 315 Concepts in Pharmacology 3 Hours
Explores principles of pharmacology, drug prototypes used to treat alternations in body systems and the nurse's role in administering drugs to clients across the lifespan.
Prerequisite(s): NURS 300 and NURS 309 and NURS 313 and NURS 325 and ENG 300 (may be taken concurrently)
Corequisite(s): NURS 321, NURS 328
Restriction(s): Enrollment is limited to students in Nursing (RN to BSN) (596)
Recent Term(s) Offered: summer 2017; summer 2018; summer 2019

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 2017; summer 2017; fall 2017; winter 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 321 Transcultural Nursing 3 Hours (repeatable max of 2 hrs)
Focus on developing knowledge of theoretically based transcultural nursing with application of nursing care to clients across the lifespan.
Restriction(s): Enrollment is limited to students in Nursing (RN to BSN) (596)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018

NURS 323 Concepts of Professional Nursing 3 Hours
Emphasizes concepts that enhance development of advanced professional practice and continued professional development.
Restriction(s): Enrollment is limited to students in Nursing (RN to BSN) (596)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018

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 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 341, NURS 342, NURS 343, NURS 344, NURS 413
Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)
Course Fee: $25
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

NURS 333 Fundamentals of Nursing 3 Hours
Fundamental concepts and principles that form the basis for professional nursing practice.
Corequisite(s): NURS 337, NURS 336, NURS 334, NURS 335
Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 337, NURS 336, NURS 335, NURS 333
Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)
Course Fee: $80
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

NURS 335 Health Assessment 3 Hours
Development of physical assessment skills to determine health status of clients across the life span.
Corequisite(s): NURS 337, NURS 333, NURS 334, NURS 336
Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 333, NURS 337, NURS 335, NURS 334
Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)
Course Fee: $15
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
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 336, NURS 333, NURS 334, NURS 335
Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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 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 343, NURS 344, NURS 341, NURS 329
Recent Term(s) Offered: None

NURS 339 Care of the High Acuity Patient 3 Hours
Application and integration of advanced medical-surgical concepts. Emphasis on critical thinking and clinical judgement in the care of the high acuity patient.
Restriction(s): Enrollment is limited to students in Nursing (RN to BSN) (596)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

NURS 340 Teaching and Health Promotion in Nursing Practice 3 Hours
Emphasizes client educational assessment, special learning needs, theories, models and nurses' role of teaching and health promotion for clients across the life span.
Prerequisite(s): NURS 323 (may be taken concurrently) with a minimum grade of C
Restriction(s): Enrollment is limited to students in Nursing (RN to BSN) (596)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

NURS 341 Medical-Surgical Nursing I 3 Hours
Basic medical surgical nursing concepts to provide holistic care to diverse individuals and families experiencing alterations in health.
Prerequisite(s): NURS 333 and NURS 334 and NURS 335 and NURS 336 and NURS 337
Corequisite(s): NURS 329, NURS 413, NURS 344, NURS 342, NURS 343
Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 alteration 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 329, NURS 341, NURS 343, NURS 413, NURS 344
Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)
Course Fee: $65
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 413, NURS 329, NURS 341, NURS 342
Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 329, NURS 341, NURS 413, NURS 343, NURS 342
Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: summer 2017; summer 2018; summer 2019

NURS 400 Nursing Leadership and Management 3 Hours
Theoretical foundations of nursing management and leadership emphasizing human resource management, decision making, and motivational skills.
Restriction(s): Enrollment is limited to students in Nursing (RN to BSN) (596)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
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 448, NURS 449, NURS 422, NURS 421
Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)
Course Fee: $25
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

NURS 405 Nursing Informatics 2 Hours
Explores the science and art of nursing informatics in the health care system in the context of nursing practice, education, systems administration and research.
Restriction(s): Enrollment is limited to students in Nursing (RN to BSN) (596)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

NURS 408 Professional Issues 3 Hours
This course must be taken in the final semester of the program. Explores issues and trends in current professional practice: social, legal, economic, historical, theoretical, political, ethical and research components.
Restriction(s): Enrollment is limited to students in Nursing (RN to BSN) (596)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 412 Introduction to Nursing Research 3 Hours
A study of the research process with emphasis on critical analysis and evaluation of selected research findings for application to professional nursing practice.
Restriction(s): Enrollment is limited to students in Nursing (RN to BSN) (596)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 343, NURS 341, NURS 344, NURS 342, NURS 329
Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)
Recent Term(s) Offered: spring 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; fall 2017; spring 2019; summer 2019; fall 2019

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 449, NURS 422, NURS 403, NURS 448
Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 444, NURS 445, NURS 432, NURS 433
Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)
Course Fee: $25
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
NURS 430  Concepts of Public Health Nursing  4 Hours
Theories and concepts from public health nursing address the multidimensional health needs of diverse populations and role of the nurse in community-based settings.
Corequisite(s): NURS 431
Restriction(s): Enrollment is limited to students in Nursing (RN to BSN) (596)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

NURS 431  Application of Public Health Nursing  2 Hours
Application of nursing process with diverse populations across the lifespan in community-based settings. Focus on health promotion.
Corequisite(s): NURS 430
Restriction(s): Enrollment is limited to students in Nursing (RN to BSN) (596)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 433, NURS 429, NURS 445
Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 429, NURS 432, NURS 444, NURS 445
Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

NURS 434  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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

NURS 444  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 432, NURS 429, NURS 444
Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

NURS 445  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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 449, NURS 422, NURS 403, NURS 421
Restriction(s): Enrollment is limited to students in Nursing (Officially Admitted) (586)
Course Fee: $30
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: winter 2017

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.
Prerequisite(s): NURS 104 (may be taken concurrently) and (PSY 220 (may be taken concurrently) or PSYS 220 (may be taken concurrently)) and BIOL 131 (may be taken concurrently)
Corequisite(s): NUR 106
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.
Prerequisite(s): NUR 104 (may be taken concurrently) and NUR 105 (may be taken concurrently) and (PSY 220 (may be taken concurrently) or PSYS 220 (may be taken concurrently)) and BIOL 131 (may be taken concurrently)
Restriction(s): Enrollment is limited to students in Nursing (273)
Recent Term(s) Offered: None

NUR 105 and NUR 106 and NUR 107 and NURS 150 and
NUR 104 and NUR 105 and NUR 106 and NUR 150
and BIOL 131 and (PSY 220 or PSYS 220) and NUR 155 (may be taken concurrently) and BIOL 207 (may be taken concurrently)

NUR 108 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)
Restriction(s): Enrollment is limited to students in Nursing (273)
Recent Term(s) Offered: winter 2017; summer 2017; winter 2018; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

NUR 104 and NUR 105 and NUR 106 and NUR 150 (may be taken concurrently) and BIOL 131 and (PSY 220 or PSYS 220) and
BIOL 207 (may be taken concurrently)

NUR 115 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 104 and NUR 105 and NUR 106 and NURS 150 (may be taken concurrently) and BIOL 131 and (PSY 220 or PSYS 220) and BIOL 207 (may be taken concurrently)
Restriction(s): Enrollment is limited to students in Nursing (273)
Course Fee: $128
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

NUR 116 Medical-Surgical Nursing I Clinical 2 Hours
Application of medical-surgical nursing concepts, principles, and skills.
Prerequisite(s): NUR 104 and NUR 105 and NUR 106 and NURS 150 (may be taken concurrently) and BIOL 131 and (PSY 220 or PSYS 220) and BIOL 207 (may be taken concurrently) and NUR 155 (may be taken concurrently)
Restriction(s): Enrollment is limited to students in Nursing (273)
Recent Term(s) Offered: fall 2017

NUR 157 Medical-Surgical Nursing I Skills Lab 1 Hour
Application of medical-surgical nursing concepts, principles and skills.
Prerequisite(s): NUR 104 and NUR 105 and NUR 106 and NUR 150 and BIOL 131 and (PSY 220 or PSYS 220) and NUR 155 (may be taken concurrently) and BIOL 207 (may be taken concurrently)
Restriction(s): Enrollment is limited to students in Nursing (273)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 104 and NUR 105 and NUR 106 and NUR 150 and BIOL 131 and (PSY 220 or PSYS 220) and BIOL 207 (may be taken concurrently)
Restriction(s): Enrollment is limited to students in Nursing (273)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

NUR 166 Mental Health Nursing Clinical 1 Hour
Application of mental health nursing concepts, principles, and skills.
Prerequisite(s): NUR 104 and NUR 105 and NUR 106 and NUR 150 and BIOL 131 and (PSY 220 or PSYS 220) and NUR 165 (may be taken concurrently) and BIOL 207 (may be taken concurrently)
Restriction(s): Enrollment is limited to students in Nursing (273)
Recent Term(s) Offered: fall 2017

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 and NUR 156 and NUR 157 and NUR 165 and NUR 166 and BIOL 207 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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

NUR 209 Medical-Surgical Nursing IIIClinical 3 Hours
Application of medical-surgical nursing concepts, principles and skills.
Prerequisite(s): NUR 155 and NUR 156 and NUR 157 and NUR 165 and NUR 166 and BIOL 207 and NUR 208 (may be taken concurrently) 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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 and NUR 156 and NUR 157 and NUR 165 and NUR 166 and BIOL 207 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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019
NUR 216  Maternal-Newborn Nursing Clinical  1 Hour
Application of maternal-newborn nursing concepts, principles and skills.
Prerequisite(s): NUR 155 and NUR 156 and NUR 157 and NUR 165 and NUR 166 and BIOL 207 and NUR 215 (may be taken concurrently) 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 2017; fall 2017; spring 2018; fall 2018

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 and NUR 209 and NUR 215 and NUR 216 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 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 POP 201 (may be taken concurrently) or RLS 101 (may be taken concurrently) or RLS 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 2017; summer 2017; fall 2017; summer 2018; fall 2018; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 and NUR 209 and NUR 215 and NUR 216 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 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 POP 201 (may be taken concurrently) or RLS 101 (may be taken concurrently) or RLS 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 2017; summer 2017; fall 2017; summer 2018; fall 2018; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 and NUR 209 and NUR 215 and NUR 216 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 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 RLS 100 (may be taken concurrently) or RLS 101 (may be taken concurrently) or RLS 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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: spring 2017

Paralegal Studies (PLS)

PLS 190C  Introduction to the Paralegal Profession  3 Hours
Introduces state and federal judicial systems and paralegal roles and careers. Emphasizes rules of professional conduct, legal ethics and unauthorized practice of law by non-lawyers.
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

PLS 194C  Legal Technology  3 Hours
Survey of computer software programs, hardware and other technology relevant to the modern law practice.
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

PLS 200C  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.
Prerequisite(s): PLS 190C (may be taken concurrently)
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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.
Prerequisite(s): PLS 190C
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019
PLS 280C  Contract Law and the Paralegal  3 Hours
Academic and practical instruction in the law of contracts, with a focus on contract formation, performance and breach.
Prerequisite(s): PLS 393
Recent Term(s) Offered: None

PLS 282C  Tort Law and the Paralegal  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.
Prerequisite(s): PLS 393
Recent Term(s) Offered: fall 2017; fall 2019

PLS 283C  Real Estate Law for the Paralegal  3 Hours
Instruction in basic concepts of property law as well as practical application of the law to title examinations, real estate closings, transactions and land disputes.
Prerequisite(s): PLS 393
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

PLS 291C  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 2017; fall 2018; fall 2019

PLS 294C  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: fall 2017

PLS 296C  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.
Prerequisite(s): (PLS 250 (may be taken concurrently) or PLS 250C or PLS 195C)
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019; summer 2019

PLS 350C  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 2017; spring 2019

PLS 360C  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: spring 2017; spring 2019

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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: summer 2017; fall 2019

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 2017; fall 2018

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 2018

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 2017; spring 2018; spring 2019

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: fall 2018

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 2017; fall 2017; spring 2018; fall 2018; spring 2019

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 and PLS 393
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019
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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

PERF 105  Taiji  1 Hour (repeatable max of 4 hrs)
Fundamentals of Yang-style Taijiquan, a traditional Chinese martial art designed to strengthen and coordinate physical motion with breath control and mental/emotional focus. Repeatable three times for credit.
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2018; fall 2019

PERF 121  Rehearsal and Production II  1 Hour
Continuation of PERF 120.
Recent Term(s) Offered: spring 2017

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 2017; fall 2018; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

PERF 221  Rehearsal and Production IV  1 Hour
Continuation of PERF 220.
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 2017; fall 2017; spring 2018; spring 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; spring 2019; fall 2019

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 2017; fall 2018; fall 2019

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 2017; fall 2017; spring 2018

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: spring 2018; spring 2019

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 2018; fall 2018; spring 2019; fall 2019

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: fall 2017

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 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; winter 2019; spring 2019

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 E-AH | AH
Recent Term(s) Offered: spring 2018; fall 2018; summer 2019; fall 2019

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 E-AH | AH
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019

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 E-AH | AH
Recent Term(s) Offered: spring 2017; fall 2017; fall 2019

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 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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; spring 2018; fall 2018; spring 2019; fall 2019

PHIL 212  Philosophy and Gender Theory  3 Hours
Introductory study of philosophical works as they related to gender theory, queer theory, and feminism. Colonnade K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: fall 2017

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: None

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 F-QR | AH, QR
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

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: spring 2017; fall 2017; spring 2018

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 2018

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 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 AH
Recent Term(s) Offered: winter 2018; fall 2018

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 AH
Equivalent(s): RELS 323
Recent Term(s) Offered: spring 2018; fall 2018

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: spring 2017

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 K-SY
Recent Term(s) Offered: spring 2019

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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; fall 2018; spring 2019; fall 2019

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 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 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: spring 2017; fall 2019

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: spring 2017; fall 2019

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: spring 2017

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: spring 2019

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: None

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 2017; fall 2019

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: summer 2017; fall 2017; spring 2018

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: fall 2019

PHIL 426  Philosophy and Old Age  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: None

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 2018

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-Deductive, 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: spring 2018

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: None

PHIL 496  Senior Seminar  3 Hours
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 2017; spring 2019; fall 2019

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: spring 2018; spring 2019

Photojournalism (PJ)

PJ 131  Introduction to Digital Photography  3 Hours
Introduces students to the principles of journalistic digital photography
through demonstrations, people-oriented photography assignments and
class critiques of the photographs. Students must provide their own high
quality point-and-shoot or DSLR camera (no camera phones). Note: This
course does not qualify for photojournalism major or photojournalism
minor credit. Colonnade E-AH | AH
Course Fee: $90
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring
2019; summer 2019; fall 2019

PJ 231  Introduction to Photojournalism  3 Hours
Introduces photojournalism majors to the technical, aesthetic and ethical
aspects of digital photography through weekly projects. Adjustable digital
SLR camera required. Must bring camera to first day of class.
Restriction(s): Enrollment is limited to students in Photojournalism
(Seeking Adm) (750P)
Course Fee: $90
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

PJ 233  Intermediate Photojournalism  3 Hours
Building on the skills and theories from Introduction to Photojournalism,
students will produce documentary images that tell complex stories
under various practical settings of journalistic inquiry, working on tighter
deadlines and towards a higher level of expected results. Students will
advance their knowledge on complicated mechanical camera
technique and increase their personal photographic vision and portfolio
development. Lecture and lab.
Prerequisite(s): PJ 231 with a minimum grade of C
Course Fee: $60
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

PJ 234  Picture Stories  3 Hours
Extensive use of the multiple-picture project to help students develop
critical skills in visual storytelling, caption writing, and ethics. Digital SLR
camera, compact flash cards, and external hard drive required.
Prerequisite(s): PJ 233
Recent Term(s) Offered: spring 2017; fall 2017, fall 2018; fall 2019

PJ 261  Introduction to Multimedia  3 Hours
Journalistic storytelling on the Web and other forms of electronic
communication using photographs, words, audio, video, screen design,
and navigation. Weekly assignments require transportation, digital SLR
camera, audio recording device, and external hard drive.
Prerequisite(s): (PJ 131 with a minimum grade of C or JOUR 131 with a
minimum grade of C) or (PJ 231 with a minimum grade of C or JOUR 231
with a minimum grade of C)
Course Fee: $60
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

PJ 330  Introduction to Short Form Documentary  3 Hours
Fundamentals of documentary storytelling through the use of still
photography, audio, and video. Analysis and application of the principles
of video editing techniques used in the photojournalism profession.
Projects require transportation, a DSLR camera that is video capable,
audio recording equipment and an external hard drive. Required off-
campus travel. Lecture and lab.
Prerequisite(s): PJ 233 with a minimum grade of C
Course Fee: $125
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

PJ 333  Lighting Technologies  3 Hours
Lighting techniques used in the studio and on-location applied through
weekly portrait, feature, and picture story assignments. Discussion
includes interviewing techniques and ethics. On-location lighting
equipment and digital SLR camera required. Note: Permission of
instructor.
Prerequisite(s): (PJ 233 with a minimum grade of C or PJ 261 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 2017; spring 2018; spring 2019

PJ 334  Picture Editing  3 Hours
A study of the process of making informed and ethical decisions
concerning the publication of photographs. Topics include picture choice,
design, and photography management.
Prerequisite(s): (PJ 233 with a minimum grade of C or PJ 131 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: fall 2017; fall 2018; spring 2019; fall 2019

PJ 336  Picture Editing  3 Hours
A study of the process of making informed and ethical decisions
concerning the publication of photographs. Topics include picture choice,
design, and photography management.
Prerequisite(s): (PJ 233 with a minimum grade of C or PJ 131 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: fall 2017; fall 2018; spring 2019; fall 2019

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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 K-LG

Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Course Fee: $90
Recent Term(s) Offered: fall 2017; fall 2018; summer 2019; fall 2019

PJ 432  Photojournalism Practicum  3 Hours
Practical application of concepts and skills introduced in the previous photojournalism courses through work with campus and regional publications, both traditional and online. Emphasis on deadline reporting involving sports, news, and features, and how to work with ethical situations that arise from these events. Transportation, digital SLR camera, and audio equipment required.

Prerequisite(s): PJ 362 with a minimum grade of C
Restriction(s): Enrollment is limited to students in Photojournalism (750)
Course Fee: $60
Recent Term(s) Offered: None

PJ 433  Advanced Short Form Documentary  3 Hours
Web-based narratives course involving weekly assignments using photography, audio, and video. Web ethics explored. Transportation, digital SLR camera, external hard drive, and audio equipment required.

Prerequisite(s): PJ 334 with a minimum grade of C
Restriction(s): Enrollment is limited to students in News/Editorial Journalism (716) or Photojournalism (750)
Course Fee: $125
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

PJ 436  Photojournalism Projects  3 Hours
Capstone for Photojournalism major, emphasis on a long-term project and conceptual assignments. Ethics discussed. In addition to projects, each student will present a final portfolio to reflect mastery of skills. Guest lecturers from the photojournalism field enhance student learning. Transportation, digital SLR camera, and audio equipment required. Video camera recommended.

Prerequisite(s): PJ 362 with a minimum grade of C
Restriction(s): Enrollment is limited to students in Photojournalism (750)
Course Fee: $60
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

PJ 439  Advanced Studio Lighting Techniques  3 Hours
Advanced lighting techniques for studio photography. Techniques applied to portrait and still-life assignments. Advanced interviewing techniques for portrait work. The business of a working studio will be explored. Final project includes a portfolio and business plan. Off campus travel 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 2018

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.

Prerequisite(s): A study of the basic knowledge, understandings, and values of physical activity. Laboratory experiences are required.
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may not enroll.
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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: spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

PE 101  First Activity Course  1 Hour
Activity may be selected from aquatics, bowling, dance, golf, karate, racquetball, soccer, volleyball, weight training, aerobic dance, yoga, 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 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019
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: spring 2017; fall 2017; spring 2018; fall 2018

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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

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 2017; fall 2017; spring 2018; fall 2018

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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

PE 212  Striking / Fielding and Invasion Sports  3 Hours
Pedagogical principles of teaching ‘invasion’ and ‘striking/fielding’ game forms.
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

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: spring 2017; spring 2018; spring 2019

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.
Students cannot enroll who are in Physical Education (587)
Recent Term(s) Offered: None

PE 222  Fitness / Wellness Applications  2 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)
Equivalent(s): PE 390
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

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: spring 2017; spring 2018; spring 2019

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  Scientific Prin Coaching  3 Hours
A study of the psychological and kinesiological aspects of sport and coaching.
Recent Term(s) Offered: None

PE 291  Scientific Base/Conditioning  3 Hours
A study of the physiological basis for conditioning and training athletes.
Recent Term(s) Offered: None

PE 300  Outdoor Educational 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:

Equivalent(s): EXS 122
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019
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 2017; summer 2017; fall 2017; winter 2018; summer 2018; fall 2018; summer 2019; fall 2019

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: winter 2017; summer 2017; fall 2017; summer 2018; fall 2018; summer 2019; fall 2019

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.
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): EXS 312
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

PE 313  Motor Development  3 Hours
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: fall 2017; fall 2018

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 2017; spring 2018; fall 2018; spring 2019

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 2017; spring 2018; spring 2019

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 322  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 323  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 2017; spring 2018; spring 2019

PE 324  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 330  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 2017; fall 2017; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

PE 331  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 2017; spring 2017; winter 2018; spring 2018; spring 2019; summer 2019; fall 2019

PE 332  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 2017; spring 2018; winter 2018; spring 2018; winter 2019

PE 333  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: None

PE 334  Volleyball Coaching  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 335  Coaching 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 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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): Students cannot enroll who are in Physical Education (587) Equivalent(s): PE 222 Recent Term(s) Offered: None

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 2017; fall 2017; summer 2018; fall 2018

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: fall 2017; spring 2018; fall 2018; spring 2019

PE 483  Technology Applications in Physical Education  1 Hour
Technology-related applications in physical education. Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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: spring 2017; fall 2017; spring 2018

PE 497  Principles of Coaching  3 Hours (repeatable max of 3 hrs)
Overview of concepts essential in preparation of sport coaches. Includes sport pedagogy, coaching philosophy, motivation, team dynamics, managing and communicating effectively, and improving player performance. Note: Permission of instructor may be required. Prerequisite(s): PE 211 and PE 212 and PE 222 and PE 310 and PE 311 and PE 312 and SPM 200 Restriction(s): Students cannot enroll who are in Athletic Coaching (320) Recent Term(s) Offered: summer 2017; fall 2017; summer 2018; fall 2018; spring 2019; fall 2019

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 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 E-NS, E-SL | NS, SL Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

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 E-NS, E-SL | NS, SL Course Fee: $20 Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 NS, SL 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 E-NS, E-SL | NS, SL  
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 E-NS | NS  
Prerequisite(s): (MATH 117 or MATH 118)  
Corequisite(s): PHYS 181  
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; fall 2019

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 E-SL | SL  
Prerequisite(s): (MATH 117 or MATH 118)  
Corequisite(s): PHYS 180  
Course Fee: $30  
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; fall 2019

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 E-NS, E-SL | NS, SL  
Recent Term(s) Offered: fall 2017

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 NS  
Corequisite(s): PHYS 232  
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

PHYS 232  Laboratory for Physics and Biophysics I  1 Hour
Students perform physics experiments on mechanics, fluids, sound, heat and thermodynamics.  
Colonnade SL  
Corequisite(s): PHYS 231  
Course Fee: $30  
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 E-SL | SL  
Corequisite(s): PHYS 255  
Course Fee: $30  
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

Western Kentucky University
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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019

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 2017; spring 2018; spring 2019

PHYS 302  Atomic Physics Laboratory  1 Hour
Fundamental experiments of historical importance in modern physics.
Prerequisite(s): PHYS 321
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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: fall 2017; fall 2018; fall 2019

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 265
Course Fee: $25
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; spring 2019

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 Schrödinger 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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; spring 2018; spring 2019
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 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; fall 2019

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 2017; fall 2018; fall 2019

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 2018

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 2017; spring 2018; spring 2019

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 2017; spring 2018; spring 2019

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: summer 2018

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: fall 2017; fall 2018

PHYS 406  Lab / Solid State  1 Hour
Fundamental laboratory experiments in solid state physics.
Corequisite(s): PHYS 460
Recent Term(s) Offered: None

PHYS 407  Nuclear Physics Lab  1 Hour
Fundamental lab experiments in nuclear physics.
Corequisite(s): PHYS 470
Recent Term(s) Offered: fall 2018

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: spring 2018
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: None

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
Corequisite(s): PHYS 404
Recent Term(s) Offered: spring 2017; fall 2019

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: fall 2017; fall 2018

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: fall 2018

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: spring 2017; spring 2019

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 2019

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: fall 2018

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: None

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 Schroedinger 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: fall 2017; fall 2018; spring 2019

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 2017; fall 2018; fall 2019

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 E-SB | SB
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

PS 200 Latin American Society: Past and Present  3 Hours
This course is a broad interdisciplinary introduction to the study of Latin America, emphasizing its regions, peoples and cultures. Colonnade K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Equivalent(s): ANTH 200, SPAN 200, GEOG 200, HIST 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 2017; fall 2017; spring 2018; spring 2019

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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: fall 2017; summer 2018; fall 2018; fall 2019

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 E-SB | SB
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 E-SB | SB
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: fall 2017; fall 2018; spring 2019

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: fall 2017; fall 2018

PS 301 Research Methods in Political Behavior 3 Hours
The understanding and application of scientific research methods for the analysis of political behavior; theoretical and applied skills in research development and analysis using contemporary computer techniques. Note: Three hours of Political Science courses or permission of instructor. Prerequisite(s): PS 110
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2018

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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: winter 2017; summer 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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. Note: Permission of instructor. Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 2018; fall 2019

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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Equivalent(s): HIST 320
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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: fall 2017; fall 2018
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.
Prerequisite(s): PS 324 and PS 110
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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 2018

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 2017; spring 2019

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: spring 2017; fall 2017; spring 2018; fall 2018;
spring 2019; fall 2019

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 2017; spring 2018; spring 2019

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.
Prerequisite(s): PS 110
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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
K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or
junior status
Recent Term(s) Offered: fall 2019

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 2017; fall 2019

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 K-SY
Prerequisite(s): PS 250 and 21 hours of Foundations and Explorations
Courses, or junior status
Recent Term(s) Offered: spring 2019

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: None

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 K-LG
Prerequisite(s): PS 110 21 hours of Foundations and Explorations
Courses, or junior status
Recent Term(s) Offered: spring 2017; spring 2018; winter 2019; spring 2019;
summer 2019

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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or
junior status
Recent Term(s) Offered: spring 2017; spring 2019

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 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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or
junior status
Recent Term(s) Offered: summer 2017; fall 2017; summer 2018; fall 2018;
summer 2019
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: summer 2017; fall 2017; fall 2018; fall 2019

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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; spring 2019

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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2018; summer 2019

PS 370 American Political Parties and Interest Groups 3 Hours
Explores the role that political parties and interest groups play in American politics. Colonnade K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; spring 2019

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 2017; fall 2019

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: fall 2018

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.
Prerequisite(s): PS 110
Recent Term(s) Offered: spring 2019

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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: fall 2017; fall 2018; spring 2019; fall 2019

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 2018

PS 376 Political Management 3 Hours
App lied 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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2018; winter 2019

PS 378 Comparative 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.
Prerequisite(s): PS 110
Recent Term(s) Offered: spring 2019

Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; spring 2019

Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

Recent Term(s) Offered: summer 2017; spring 2018; fall 2018; spring 2019

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 2018; summer 2018; fall 2019

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: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

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: spring 2017; fall 2017; spring 2018; fall 2018

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: summer 2017; spring 2018; fall 2018; spring 2019
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.

Prerequisite(s): PS 110
Recent Term(s) Offered: spring 2018; fall 2018

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.

Prerequisite(s): PS 110
Recent Term(s) Offered: summer 2018; summer 2019

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: spring 2018

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: winter 2017; spring 2017; summer 2017; winter 2018; spring 2018; summer 2018; fall 2019

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: None

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; summer 2019; fall 2019

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.

Prerequisite(s): PS 250
Recent Term(s) Offered: spring 2018

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 2017; spring 2017; summer 2017; spring 2018; summer 2018; spring 2019; summer 2019

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 or Sophomore may not enroll.
Recent Term(s) Offered: fall 2017; spring 2018

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 2018

PS 491  Research in State Government  3 Hours  
Based in a seminar setting, this course facilitates an extensive exploration of particular aspects of state governmental and political development. Examines 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: None

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 2018

PS 493  Issues in Human Resource Management  3 Hours  
Focuses on Human Resource Management 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 2018
**Prerequisite(s):**

- Hours in major required.
- In a seminar setting. Note: Permission of instructor and at least 21 credit permission.

**Recent Term(s) Offered:** fall 2017; fall 2018; fall 2019

**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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

**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 E-AH | AH**

**Equivalent(s):**

- PSYS 100 with a minimum grade of C or PSYC 100C

**Recent Term(s) Offered:** spring 2017; fall 2017; fall 2018; spring 2019; summer 2019; fall 2019

**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 2019

**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 2017; summer 2017; summer 2018; winter 2019; summer 2019

**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 2017; spring 2018; spring 2019

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**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:** fall 2017

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**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 E-SB | SB

**Equivalent(s):** PSY 100

**Recent Term(s) Offered:** winter 2017; spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

**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 E-NS | NS

**Recent Term(s) Offered:** spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

**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 E-SL | SL

**Prerequisite(s):** PSYS 160 (may be taken concurrently)

**Recent Term(s) Offered:** None

**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

**Equivalent(s):** PSY 210

**Recent Term(s) Offered:** spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
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 160 with a minimum grade of C or PSY 100 with a minimum grade of C or Psychology with a score of 3)
Corequisite(s): PSYS 210
Equivalent(s): PSY 211
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 E-SB | SB
Equivalent(s): PSY 220
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 F-W2 | WC
Prerequisite(s): ENG 200 and (PSYS 160 or PSYS 100 or PSY 100)
Recent Term(s) Offered: None

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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): (PSYS 210 with a minimum grade of C or PSYS 210 with a minimum grade of C) and (PSYS 211 with a minimum grade of C or PSYS 211 with a minimum grade of C)
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

PSYS 332  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 PSYS 210 with a minimum grade of C) and (PSYS 211 with a minimum grade of C or PSYS 211 with a minimum grade of C)
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

PSYS 333  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 201 with a minimum grade of C) and PSYS 333 (may be taken concurrently)
Recent Term(s) Offered: spring 2018; spring 2019

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 K-SC | SB
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Equivalent(s): PSY 350
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 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 2017; winter 2018; winter 2019
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 2017; spring 2018; fall 2018; fall 2019

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 limited to students in Neuroscience (434), Psychological Science (440), Psychological Science (747) or Psychological Science (747E)
Course Fee: $50
Recent Term(s) Offered: spring 2017; fall 2017; spring 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2018; spring 2019

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 2017; fall 2018; fall 2019

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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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: spring 2018

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 210 with a minimum grade of C) and (PSYS 211 with a minimum grade of C or PSYS 211 with a minimum grade of C)
Recent Term(s) Offered: spring 2019

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: fall 2017; fall 2019

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 2017; fall 2018; fall 2019
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 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

PSYS 451 Psychology of Religion  3 Hours
Study Classical theories and current research in the psychology of religion. Note: PSYS 100 or PSY 100 or PSYS 160, and junior standing.
Prerequisite(s): (PSY 100 or 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.
Recent Term(s) Offered: spring 2018

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: winter 2017; spring 2017; fall 2017; spring 2018; winter 2019; spring 2019; fall 2019

PSYS 454 Introduction to Abnormal Psychology  3 Hours
Overview of the major theoretical approaches to abnormal psychology, including historical as well as contemporary theorists, avenues of analysis, and concepts. Note: Permission of instructor may be required.
Prerequisite(s): (PSY 100 or 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 454
Recent Term(s) Offered: None

PSYS 455 Special Topics in Psychology  1-3 Hours
Overview of the major theoretical approaches to abnormal psychology, including historical as well as contemporary theorists, avenues of analysis, and concepts. Note: Permission of instructor may be required.
Prerequisite(s): (PSY 100 or 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 455
Recent Term(s) Offered: None

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: summer 2017; fall 2017; spring 2018; fall 2018; fall 2019

PSYS 473 Training in Business and Industry  3 Hours
An introduction of theories, research, and methods of training needs analysis, program design, implementation, and evaluation. Note: Permission of instructor may be required.
Prerequisite(s): (PSY 100 or PSYC 100C or PSYS 100 or PSYS 160 or PSYS 210 or PSYS 211)
Equivalent(s): MGT 473
Recent Term(s) Offered: None

PSYS 481 History of Psychology  3 Hours
Overview of major historical developments in psychology and related scientific disciplines, such as medicine, neuropsychology, 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 or PSYS 210)
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: spring 2017; fall 2017; fall 2018; fall 2019

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 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 2017; spring 2018; spring 2019
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 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019  

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.  
Equivalent(s): PSY 499  
Recent Term(s) Offered: spring 2017; fall 2017; spring 2019; fall 2019  

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.  
Equivalent(s): PSYS 100  
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019  

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 2018; fall 2019  

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  
Equivalent(s): PSYS 210  
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019  

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  
Equivalent(s): PSYS 211  
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019  

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.  
Equivalent(s): PSYS 220  
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019  

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.  
Equivalent(s): PSYS 250  
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019  

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.  
Prerequisite(s): (PSY 100 or PSYS 100 or PSYC 100C)  
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019  

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 2017; summer 2017; spring 2018; winter 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019
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 IEC 321 or AMS 329) and ACT Composite with a score of 21 or permission of instructor
Recent Term(s) Offered: spring 2017; fall 2017; winter 2018; spring 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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: spring 2017; spring 2018; fall 2018; fall 2019

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: summer 2018

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: fall 2017; fall 2018; fall 2019

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.
Restriction(s): Enrollment is limited to students in Clinical and Comm Behav Health (436)
Recent Term(s) Offered: fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 K-SC | SB
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Equivalent(s): PSYS 350
Recent Term(s) Offered: winter 2017; spring 2017; fall 2017; winter 2018; spring 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; summer 2018; fall 2018; spring 2019; fall 2019

PSY 356 Applied Cultural Intelligence 3 Hours
Cultural intelligence is the capability to function effectively across cultural contexts. Course will include readings and activities designed to help students develop and apply cultural intelligence to a variety of social interactions and environments.
Recent Term(s) Offered: None

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; fall 2019

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 taken 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.
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019
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 2017; spring 2017; summer 2017; winter 2018; spring 2018; winter 2019; spring 2019; summer 2019

PSY 421  Psychology of Early Adolescence  3 Hours
Focuses on theory and research related to cognitive, personality, and social development in early adolescence. Theories are applied to important developmental contexts such as peers, families, and learning environments. Designed for students planning to meet middle grades certification requirements. Either PSY 421 or PSY 422, but not both, may be taken to satisfy the requirements of the psychology major or minor. 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 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 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 PSY 211 with a minimum grade of C)

Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; spring 2018; spring 2019

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 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 PSY 440)

Recent Term(s) Offered: fall 2017

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 2017; spring 2018

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. Note: Six hours in psychology, including PSY 100/PSYS 100 required or permission of instructor.
Prerequisite(s): (PSY 100 or PSYS 100C 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 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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, Freshman or Sophomore may not enroll.
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
PSY 410  Psychological 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. Field trips to off-campus locations will be required. Students are responsible for arranging their own transportation. 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: fall 2017; fall 2018; fall 2019*

PSY 411  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 2017; spring 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019*

PSY 420  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.
**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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019*

PSY 421  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, Junior or Sophomore may not enroll.
**Equivalent(s):** PSYS 499
*Recent Term(s) Offered: summer 2017; winter 2019; summer 2019*

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**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 one’s 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 E-SB | SB
*Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019*

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 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019*

PH 260  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 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 K-SC
**Prerequisite(s):** 21 hours of Foundations and Explorations Courses, or junior status
*Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019*
PH 381  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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; fall 2017; spring 2019; fall 2019

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 2017; spring 2018; spring 2019

PH 410  Global Perspectives on Population Health  3 Hours
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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: summer 2018

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; spring 2019
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
K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or
junior status
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017;
winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019;
summer 2019; fall 2019
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: spring 2017; spring 2018; fall 2018; spring 2019;
summer 2019
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: spring 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019
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 2017; summer 2017; fall 2017; spring 2018;
summer 2018; fall 2018; spring 2019; summer 2019; fall 2019
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 466  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 2017; fall 2017; spring 2018; fall 2018; spring
2019; fall 2019
PH 467  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: spring 2017; summer 2017; fall 2017; spring 2018;
summer 2018; fall 2018; spring 2019; summer 2019; fall 2019
PH 468  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: summer 2017; summer 2018
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 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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

PH 485 Methods in Community Health Education 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 2017; fall 2018; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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.
Restriction(s): Students with a semester level of Academy Junior, Academy Senior or Freshman may not enroll.
Course Fee: $45
Recent Term(s) Offered: fall 2018; spring 2019; summer 2019; fall 2019

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.
Course Fee: $45
Recent Term(s) Offered: spring 2019

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)
Course Fee: $45
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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: None

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: None

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 2017; fall 2018; fall 2019
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 2017; fall 2018; fall 2019

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: None

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 2017; fall 2018

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 2017; spring 2018; spring 2019

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: fall 2017; spring 2018; summer 2019; fall 2019

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 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 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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 2017; spring 2019

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: spring 2018

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: spring 2017

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 2019

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 restructurings 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 E-SB | SB
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: winter 2017; fall 2017; winter 2018; fall 2018; winter 2019; fall 2019

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: summer 2017; fall 2017; spring 2018; fall 2018; summer 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

REC 320 Professional Development to Recreation 3 Hours
Career development, current problems, trends and issues in recreation services.
Prerequisite(s): REC 200
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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.
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

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: spring 2017

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: spring 2017; summer 2017; spring 2018; spring 2019

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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
RECU 404 Recreation Facility Management 3 Hours
A practical orientation to management for a variety of recreation facilities.
Recent Term(s) Offered: spring 2017; spring 2018

RECU 406 Recreation Administration 3 Hours
Recreation administration with emphasis on personnel, planning, facilities, legal issues and public relations.
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

RECU 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.
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

RECU 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 2017; spring 2018; spring 2019

RECU 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: fall 2017

RECU 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 transportaion to off campus meetings. University transportaion provided when possible.
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

RECU 428 Community Centers and Playgrounds 3 Hours
An intensive investigation of playground and community center operations.
Recent Term(s) Offered: None

RECU 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 transportaion to off-campus meetings. University transportaion provided when possible.
Recent Term(s) Offered: fall 2017

RECU 434 Resource Interpretation 3 Hours
Explores interpretive approaches to natural, cultural, and historical resources in leisure settings. principles, philosophies, and techniques of resource interpretation are studied. Emphasizes practice and development of presentation skills. Includes design of interpretive products potentially including, but not limited to, exhibits, media, and brochures. Students are responsible for their own transportaion to off-campus meetings.
Recent Term(s) Offered: spring 2017; spring 2018

RECU 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 transportaion to off-campus meetings.
Recent Term(s) Offered: spring 2017; spring 2018

RECU 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 transportaion to off-campus meetings. University transportaion provided when possible.
Prerequisite(s): REC 435 (may be taken concurrently) and REC 335 and REC 337
Course Fee: $500
Recent Term(s) Offered: spring 2017; summer 2017

RECU 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 transportaion 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 2017; spring 2018; spring 2019

RECU 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 2017; spring 2018; spring 2019

RECU 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: fall 2017; winter 2018; fall 2018; winter 2019; fall 2019

RECU 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: winter 2017; fall 2017; fall 2019

RECU 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: fall 2017; fall 2018; spring 2019; fall 2019

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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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: winter 2017; spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 E-AH | AH
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 E-AH | AH
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; spring 2019; fall 2019

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 E-AH | AH
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: fall 2017; spring 2018; fall 2019

RELS 150 Elementary Latin 3 Hours
No course description is available
Recent Term(s) Offered: fall 2017; fall 2018

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: spring 2017; spring 2018; spring 2019

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: None

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: spring 2017

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 2017; winter 2018

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 2018

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 F-AH | AH
Prerequisite(s): ENG 100
Recent Term(s) Offered: spring 2017; fall 2017; fall 2018; spring 2019; fall 2019

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 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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2019

RELS 242 The Meaning of Life; Atheism to Zen 3 Hours
Survey of global theories on the meaning of life. Colonnade K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2019

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: fall 2017; spring 2018; fall 2018

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: fall 2017; fall 2018

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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2018; spring 2019

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: None

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: spring 2017

RELS 305 Christianity 3 Hours
Overview of ideas drawn from the history of Christianity, including major intellectual developments behind its global character. Colonnade K-SC | AH
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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.
Recent Term(s) Offered: fall 2017; summer 2018; fall 2018; summer 2019; fall 2019

RELS 309 Global Christianity 3 Hours
The study of Christianity in Africa, Asia and Latin America. Colonnade K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: fall 2017

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 2018

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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: fall 2018

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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; fall 2019

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  Islam & Pilgrimage  3 Hours
An exploration of Islamic pilgrimage, including the use of technology in modern pilgrimage practices. Colonnade K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2019

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 AH
Equivalent(s): PHIL 323
Recent Term(s) Offered: spring 2018; fall 2018

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  3 Hours
An exploration of Islam in America beginning with the 16th century and continuing to the present day. Colonnade K-SC
Recent Term(s) Offered: spring 2019; fall 2019

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 K-SC
Recent Term(s) Offered: spring 2019

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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: None

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: winter 2017; summer 2017; summer 2018

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 2017; fall 2017; spring 2018; fall 2018

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
**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: spring 2017; fall 2017; spring 2018; fall 2018; fall 2019*

**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)*

*Course Fee: $7*

*Recent Term(s) Offered: spring 2017; spring 2018; spring 2019*

**RUSS 201**  **Intermediate Russian I**  **3 Hours**
Expansion of communication skills in increasingly complex and varied situations. Emphasis on conversational speaking, presentation 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 2017; fall 2018; fall 2019*

**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 2017; spring 2018; spring 2019*

**RUSS 203**  **Advanced Russian**  **3 Hours**
Continued development of the four language skills. The course incorporates realism through a variety of authentic reading and writing materials. Emphasis on making and maintaining conversation in an authentic and natural manner.

*Prerequisite(s): RUSS 202 or advanced placement in Russian*

*Recent Term(s) Offered: spring 2017; spring 2018; spring 2019*

**RUSS 206**  **Russian Civilization, Culture, and Literature**  **3 Hours**
Focus on Russian culture, history, and literature. Emphasis on understanding and appreciation of Russian cultural traditions and achievements. The course integrates reading, writing, speaking, and listening activities related to Russian literature and culture.

*Prerequisite(s): RUSS 202 or advanced placement in Russian*

*Recent Term(s) Offered: spring 2017; spring 2018; spring 2019*

**RUSS 208**  **Contemporary Russian Society and Culture**  **3 Hours**
This course provides an overview of Russian society and culture from a contemporary perspective. Emphasis on understanding and analyzing social, economic, and political developments in modern Russia.

*Prerequisite(s): RUSS 202 or advanced placement in Russian*

*Recent Term(s) Offered: spring 2017; spring 2018; spring 2019*

**RUSS 295**  **Independent Study**  **1-3 Hours**
Provides an opportunity for students to pursue an area of study in Russian language and literature that is not available through other courses.

*Prerequisite(s): Instructor permission*

*Course Fee: $40*

*Recent Term(s) Offered: spring 2017; spring 2018; spring 2019; fall 2019*

**RUSS 405**  **Pre-Advanced Russian**  **3 Hours**
A required course for students who are preparing for Advanced Russian. Focus on expanding vocabulary, grammar, and cultural knowledge to facilitate success in the Advanced Russian course. Emphasis on developing proficiency in all four language skills.

*Prerequisite(s): RUSS 202 or advanced placement in Russian*

*Recent Term(s) Offered: spring 2017; spring 2018; spring 2019*

**RUSS 499**  **Research in Russian Studies**  **3 Hours**
Directed study and research in one area of Russian studies. Note: Open only to majors with a 3.0 grade point average in their senior year.

*Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; fall 2019*

**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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019*

**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).

*Course Fee: $150*

*Recent Term(s) Offered: spring 2017; fall 2017; spring 2018*

**School of Media (SJB)**

**SJB 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 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: summer 2017; fall 2017; fall 2018; spring 2019; summer 2019; fall 2019*

**SJB 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 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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019*
SJB 154 New Media Literacy: Explorations in Participatory Culture 3 Hours
Develops a framework to access, analyze, evaluate, create and interact with messages in a variety of digital forms, including social media.
Colonnade E-SB | SB
Restriction(s): Students cannot enroll who are in News/Editorial Journalism (716), News/Edit Journalism(Seek Adm) (716P), Mass Communication (725), Mass Communication (Seek Adm) (725P), 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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

SJB 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.

Prerequisite(s):
SJB 101 with a minimum grade of C and SJB 102 with a minimum grade of C

Course Fee: $40
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018

SJB 241 Visualizing Data in Journalism 3 Hours
Learn to find and examine large sets of data to indentify embedded trends and stories, and display this data visually. Lecture and lab.

Prerequisite(s): SJB 101 with a minimum grade of C and SJB 102 with a minimum grade of C

Course Fee: $35
Recent Term(s) Offered: None

SJB 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 K-SC

Restriction(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; spring 2018; spring 2019

SJB 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 SJB 210 with a minimum grade of C

Recent Term(s) Offered: spring 2017; fall 2017

SJB 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): SJB 210 with a minimum grade of C or AD 210 with a minimum grade of C

Equivalent(s): UX 340

Course Fee: $35
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018

SJB 399 Special Topics in Media--Study Abroad 1-6 Hours (repeatabile max of 3 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.

Recent Term(s) Offered: None

SJB 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.

Recent Term(s) Offered: fall 2018; fall 2019

SJB 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: spring 2019

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 K-SY

Restriction(s): 21 hours of Foundations and Explorations Courses, or junior status

Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

SPS 395 Special Topics in Professional Studies 3 Hours
A detailed study of a specialized topic in professional studies.

Recent Term(s) Offered: None

SPS 399 Independent Study in Professional Studies 1-3 Hours (repeatabile 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: spring 2018
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: spring 2018

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.

SUS 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.

Science/Math Education (SMED)

SMED 101 Step 1: Introduction to Inquiry-Based Approaches to Teaching 1.5 Hour (repeatable max of 1.5 hrs)
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.

SMED 102 Step 2: Introduction to Inquiry-Based Lesson Design 2,3 Hours (repeatable max of 3 hrs)
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 transporation to sites.

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.

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.

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.

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 equivalently. Fieldwork required; students are responsible for arranging their own transportation to sites.
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
Course Fee: $25
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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
Course Fee: $30
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; spring 2018; fall 2019

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
Course Fee: $30
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 transporation 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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; spring 2018

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: spring 2017

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 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; fall 2017; fall 2018

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 2017
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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2018; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; spring 2018; spring 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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.
Recent Term(s) Offered: winter 2017; spring 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019

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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2019

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. Note: Consent 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

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. Note: Consent 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: fall 2017; fall 2018; fall 2019

SWRK 330  Human Behavior in the Social Environment I  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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

SWRK 331  Human Behavior in the Social Environment II  3 Hours
Human behavior in the social environment with emphasis on families, groups, organizations, communities, and cultures. The importance of diversity and the human environment as factors in influencing behavior will be highlighted.
Prerequisite(s): SWRK 330
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; summer 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019

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. Note: Permission of instructor may be required.
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 2017; spring 2018; spring 2019

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: winter 2017; fall 2018; spring 2019
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: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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. Note: Permission of instructor may be required.
Prerequisite(s): SWRK 101
Recent Term(s) Offered: summer 2017; spring 2019

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. Note: Consent 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 2018; spring 2019

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 2017; spring 2018; spring 2019

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.
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may not enroll.
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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, Junior or Sophomore may not enroll.
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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, Junior or Sophomore may not enroll.
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019
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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

SWRK 485 Integrated Generalist Social Work Practice 3 Hours
Overview of social work practice theories, skills, cultural competencies, values and policies. Provides a framework for contextualizing social work practice interventions across multilevel client systems. Includes preparation for the field practicum experience and professional development.
Prerequisite(s): SWRK 331 and SWRK 375 and SWRK 379
Recent Term(s) Offered: None

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. Note: Consent of instructor is required.
Recent Term(s) Offered: winter 2017; summer 2017; winter 2018; spring 2018; summer 2018; summer 2019

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. Note: Consent of director required.
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may not enroll.
Recent Term(s) Offered: fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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. Note: Consent of director required.
Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman or Sophomore may not enroll.
Recent Term(s) Offered: spring 2017; spring 2018

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 E-SB | SB
Equivalent(s): SOCL 110
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 SB
Recent Term(s) Offered: spring 2017; fall 2017; spring 2019

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 K-SC | SB
Prerequisite(s): (SOCL 100) 21 hours of Foundations and Explorations Courses, or junior status and SOCL 100
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 K-LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status and SOCL 100
Recent Term(s) Offered: spring 2017; fall 2017; spring 2019

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)
Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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 course before enrolling in SOCL 302.
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019
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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: winter 2017

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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status and SOCL 100 Recent Term(s) Offered: spring 2017; summer 2017; spring 2018; spring 2019

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. Prerequisite(s): SOCL 100 Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status Recent Term(s) Offered: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; winter 2019; spring 2019; summer 2019; fall 2019

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: spring 2017; spring 2019

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: fall 2017; fall 2018; fall 2019

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: spring 2017; spring 2019

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 2017; fall 2018; fall 2019

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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 K-SY
Prerequisite(s): SOCL 100 and 21 hours of Foundations and Explorations Courses, or junior status Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019
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 K-SY
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or
junior status
Recent Term(s) Offered: spring 2018

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 K-
SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or
junior status
Recent Term(s) Offered: fall 2017

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 K-
LG
Prerequisite(s): SOCL 100 and 21 hours of Foundations and Explorations
Courses, or junior status
Recent Term(s) Offered: fall 2017; summer 2017; fall 2017; spring 2018;
summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 K-
LG
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or
junior status
Recent Term(s) Offered: fall 2017; fall 2018; spring 2019; fall 2019

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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or
junior status
Recent Term(s) Offered: spring 2019; summer 2019

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)
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 2017; summer 2017; fall 2017; spring 2018;
summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 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 2017; spring 2018

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 2017; summer 2017; fall 2017; spring 2018;
summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

SOCL 442  Sociology Research Project  3 Hours
Course pass required.
Recent Term(s) Offered: None

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 444  Sociology Research Project  3 Hours
Course pass required.
Recent Term(s) Offered: None

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: None
SOCL 455  Theory and Practice of Community Development  3 Hours
Course explores the ecological, interational, 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: spring 2017; fall 2017; fall 2019

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: summer 2017; summer 2019

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 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2018; winter 2019

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: None

SOCL 499  Senior Seminar  1 Hour
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

Spanish (So Campus) (SPN)

SPN 201C  Intermediate Spanish I  3 Hours
Prerequisite(s): SPN 102 or demonstrated proficiency of Novice High. A systematic review of grammar and development of reading skills. (fall and spring)
Equivalent(s): SPAN 201
Recent Term(s) Offered: None

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: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: winter 2017; spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019
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: summer 2017; summer 2018; summer 2019

SPAN 200  Latin American Society: Past and Present  3 Hours
This course is a broad, interdisciplinary introduction to the study of Latin
America, emphasizing its regions, peoples and cultures. Since this course
is taught by various departments, see Latin American studies advisor for
enrollment. Not for major or minor credit. Colonnade K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or
junior status
Equivalent(s): ANTH 200, GEOG 200, HIST 200, PS 200
Recent Term(s) Offered: summer 2017; fall 2017; summer 2018; fall 2018;
summer 2019; fall 2019

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)
Equivalent(s): SPN 201C
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018;
fall 2018; spring 2019; fall 2019

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
(SPN 201 or AVANT Lang Spanish Placement with a score of 4)
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018;
summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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: summer 2018; summer 2019

SPAN 236  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 2017; summer 2017; spring 2018; winter 2019;
spring 2019

SPAN 331  Business Spanish  3 Hours
Introduction to business communication in the Spanish-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): (SPAN 202 or AVANT Lang Spanish Placement with a
score of 5)
Recent Term(s) Offered: fall 2017; spring 2018; fall 2018; fall 2019

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 2017; spring 2018; summer 2018; fall 2018;
spring 2019; summer 2019

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 2017; summer 2017; fall 2017; spring 2018;
summer 2018; fall 2018; spring 2019; summer 2019; fall 2019
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 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; spring 2018; summer 2018; spring 2019; summer 2019

SPAN 373  Spanish Civilization and Culture  3 Hours  
Survey of hisistorical and cultural background of Spain and its people from the Roman colonization to the present. Colonnade AH  
Prerequisite(s): (SPAN 370 or SPAN 331) and SPAN 371  
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 AH  
Prerequisite(s): (SPAN 370 or SPAN 331) and SPAN 371  
Recent Term(s) Offered: spring 2017; summer 2017; spring 2018; spring 2019

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 AH  
Prerequisite(s): (SPAN 370 or SPAN 331) and SPAN 371  
Recent Term(s) Offered: fall 2017; summer 2018; fall 2018; summer 2019; fall 2019

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: spring 2017; fall 2017; fall 2018; fall 2019

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: fall 2018; spring 2019; fall 2019

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 2017

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: None

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 2017; summer 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; fall 2019

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: None

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: summer 2018; summer 2019
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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 and FACS 192
Corequisite(s): SPED 330
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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 433, SPED 430, SPED 422, SPED 334
Recent Term(s) Offered: spring 2017

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 432, SPED 331
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 433, SPED 422, SPED 332, SPED 430
Recent Term(s) Offered: spring 2017; spring 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2018

SPED 345 LBD Secondary Methods 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 their own transportation to designated sites.
Prerequisite(s): SPED 335
Recent Term(s) Offered: fall 2017; fall 2018; spring 2019; fall 2019

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 2017; spring 2018; fall 2018; spring 2019; fall 2019
**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 2017; spring 2018; spring 2019; fall 2019

**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 417, SPED 416, SPED 431, SPED 418  
**Recent Term(s) Offered:** fall 2017

**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 431, SPED 418, SPED 415, SPED 417  
**Recent Term(s) Offered:** fall 2017

**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 416, SPED 415, SPED 431, SPED 418  
**Recent Term(s) Offered:** fall 2017

**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 417, SPED 415, SPED 431  
**Recent Term(s) Offered:** fall 2017

**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:** fall 2017; fall 2018; fall 2019

**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 332, SPED 334, SPED 430, SPED 433  
**Recent Term(s) Offered:** spring 2017; spring 2018; spring 2019

**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 2017; spring 2018; spring 2019

**SPED 425**  LBD Language Interventions: Strategies and Materials  3 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 2017; fall 2018; fall 2019

**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 330 and SPED 333 and SPED 432  
**Corequisite(s):** SPED 334, SPED 433, SPED 422, SPED 332  
**Recent Term(s) Offered:** spring 2017

**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 418, SPED 417, SPED 416, SPED 415  
**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 331, SPED 333
Recent Term(s) Offered: fall 2017; fall 2018; fall 2019

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: spring 2017

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: spring 2017; spring 2018

SPED 480  Senior Project for Learning and Behavior Disorders  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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

SPM 290  Sport Management Seminar  3 Hours
Exploration of sport management career planning including application materials, interviewing, and other professional issues.
Restricion(s): Enrollment is limited to students in Sport Management (572) or Sport Management-Prep (572P)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; winter 2018; summer 2018; fall 2018; winter 2019; summer 2019; fall 2019

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 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019
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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; spring 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019

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 or Sophomore may not enroll.

Enrollment is limited to students in Sport Management (572)
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019

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 2017; summer 2017; fall 2017; spring 2018; fall 2018; spring 2019; summer 2019; fall 2019

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 2017; fall 2017; spring 2018; spring 2019

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: spring 2017; fall 2017; fall 2018; fall 2019

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: fall 2017; spring 2018; spring 2019

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: fall 2019

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: Voice and Movement  3 Hours
A foundational acting course designed to help students become aware of, develop, integrate and properly maintain their natural vocal and kinesthetic performing abilities.
Recent Term(s) Offered: fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

THEA 141  Stage Makeup  1 Hour
Fundamental theory and application of standard and character stage makeup.
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019

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 E-AH | AH
Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; winter 2018; spring 2018; fall 2018; winter 2019; spring 2019; fall 2019

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 2017; fall 2018; fall 2019

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 2017; fall 2018; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: fall 2017

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 2017; spring 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

THEA 253  Stage Combat II: Masked  3 Hours (repeatable max of 6 hrs)
A study of weapons for the stage including swords, guns, daggers, and other stage arms. Classic vs. contemporary approaches to staging weapons 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 230 and THEA 101 with a minimum grade of C
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

THEA 300  Acting II: Acting Craft  3 Hours
Improvisation, theatre games, and introductory scene and/or monologue work intended to develop fundamental performance and ensemble collaboration skills. Note: Permission of instructor.
Prerequisite(s): THEA 101
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

THEA 301  Acting III: Characterization & Scenework  3 Hours
An acting studio course focusing on the fundamentals of text and character analysis, characterization, and performance.
Prerequisite(s): THEA 252 and THEA 300 with a minimum grade of C
Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: spring 2017; spring 2018

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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019
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: fall 2018; fall 2019

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 2017; fall 2018; fall 2019

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 2017; spring 2018; spring 2019

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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; spring 2018

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 2018; fall 2018; spring 2019; fall 2019

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 2017; fall 2018; fall 2019

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: spring 2017

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 K-SC
Prerequisite(s): 21 hours of Foundations and Explorations Courses, or junior status
Recent Term(s) Offered: spring 2017; fall 2017; winter 2018; fall 2018; winter 2019; spring 2019; fall 2019

THEA 342 Basic Stage Combat 1 Hour (repeatable max of 2 hrs)
Basic stage combat techniques. 
Prerequisite(s): THEA 230
Recent Term(s) Offered: spring 2017; fall 2017; winter 2018; fall 2018; winter 2019; spring 2019; fall 2019

THEA 343 Stage Combat I 3 Hours (repeatable max of 9 hrs)
Introduction to stage combat. 
Prerequisite(s): THEA 230
Recent Term(s) Offered: spring 2017; fall 2017; winter 2018; fall 2018; winter 2019; spring 2019; fall 2019

THEA 344 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 2017; fall 2018; fall 2019

THEA 345 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 2017; fall 2018; fall 2019

THEA 346 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 2017; fall 2018; fall 2019

THEA 347 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 2017; fall 2018; fall 2019

THEA 348 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 2017; fall 2018; fall 2019
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 2018

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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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: spring 2017

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 2017; fall 2019

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 2017; spring 2018; spring 2019

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: spring 2017; fall 2018

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: summer 2018; spring 2019; summer 2019

THEA 414  Acting IV: Advanced Scene Study  3 Hours (repeatable max of 9 hrs)
An advanced acting course focusing on the application of advanced character analysis, characterization and style to intensive scene work.
Prerequisite(s): THEA 301
Recent Term(s) Offered: spring 2017; spring 2018; spring 2019; fall 2019

THEA 415  Directing Studio  3 Hours (repeatable max of 9 hrs)
Offers advanced stage directing students an opportunity to learn and apply the stage directing skills needed in the rehearsal and performance phases of live theatre production under actual production conditions.
Prerequisite(s): THEA 371
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 2019

THEA 424  Special Problems in Technical Theatre  3 Hours (repeatable max of 6 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: winter 2017; spring 2017; fall 2017; spring 2018; spring 2019; fall 2019

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 2017; spring 2018; spring 2019

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 2017; spring 2018; spring 2019

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 2017; fall 2018; fall 2019

THEA 441  Costume Design  3 Hours
A performance-based study of theatrical costume design. Emphasis is placed upon the 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 2017; spring 2018; spring 2019

THEA 455  American Drama  3 Hours
This course deals with the development of American drama from colonial productions to present-day plays.
Prerequisite(s): (ENG 200 or RELS 200 or ENGL 200C)
Equivalent(s): ENG 455
Recent Term(s) Offered: None
THEA 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

Equivalent(s): ENG 459

Recent Term(s) Offered: None

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 2017; summer 2017; winter 2018; summer 2018; winter 2019; summer 2019

University Experience (Univ) (UC)

UC 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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

UC 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: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; spring 2019; fall 2019

UC 176  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.

Equivalent(s): UCC 176C

Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

UC 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 2017; fall 2017; spring 2018; fall 2018; spring 2019; fall 2019

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.

Equivalent(s): UC 175

Recent Term(s) Offered: spring 2017; summer 2017; fall 2017; spring 2018; summer 2018; fall 2018; winter 2019; fall 2019

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

Equivalent(s): UC 176

Recent Term(s) Offered: spring 2017; fall 2017; spring 2018; summer 2018; fall 2018; winter 2019; fall 2019

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

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
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
WTI 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, rapidmix facilities, flocculation facilities, regulations, dosage control, safety precautions, and record keeping.
Prerequisite(s): (WTI 203 or WTI 204)
Recent Term(s) Offered: None

WTI 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): (WTI 203 or WTI 204)
Recent Term(s) Offered: None

WTI 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): (WTI 203 or WTI 204)
Recent Term(s) Offered: None

WTI 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): (WTI 203 or WTI 204)
Recent Term(s) Offered: None

WTI 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 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.
Prerequisite(s): WTI 200
Recent Term(s) Offered: None

WTI 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): WTI 220
Recent Term(s) Offered: None

WTI 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): WTI 200
Recent Term(s) Offered: None

WTI 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

WTI 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

WTI 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): WTI 223 and WTI 224
Recent Term(s) Offered: None

WTI 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.
Prerequisite(s): WTI 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 in 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 microscopie 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
WTI 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

WTI 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

WTI 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

WTI 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

WTI 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

WTI 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

WTI 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

WTI 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

WTI 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

WTI 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

WTI 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

WTI 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 aersators, regulations, control tests, operating problems, safety precautions, and record keeping.
Prerequisite(s): WTTI 203
Recent Term(s) Offered: None

WTI 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

WTI 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): (WTI 203 or WTTI 204)
Recent Term(s) Offered: None

WTI 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

WTI 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

WTI 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): (WTI 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
SPECIAL PROGRAMS & DIVISIONS

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Army ROTC

WKU offers students an opportunity to pursue coursework that can lead to commissions with the U.S. Army or U.S. Air Force. 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.

Center for Innovative Teaching and Learning

Garrett Conference Center, Room 104
Phone: (270) 745-2106
Website: 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.

Division of Extended Learning and Outreach

Dr. Beth Laves, Associate Vice President for Extended Learning and Outreach

Knicely Conference Center, Office 105
2355 Nashville Road
Bowling Green, KY 42101
Phone: (270) 745-1900; Fax: (270) 745-1903
Email: delo@wku.edu
Website: http://www.wku.edu/delo

The Division of Extended Learning & Outreach (DELO) at WKU is made up of several units that connect the educational resources of WKU to the citizens of Kentucky and around the world. We are the outreach arm of the university, offering both credit and non-credit classes to students of all ages. We partner with faculty and departments to offer convenient and flexible learning opportunities to students. We work with businesses and organizations to provide customized training, to plan special events, and to develop degree programs that meet their specific needs.

DELO units:

- Academic Outreach (includes WKU Online, Online Program Services, Online Program Development, DELO Testing Centers, Dual Credit, Cohort Programs, and Summer Sessions/Winter Term)
- WKU Regional Campuses
- Continuing & Professional Development (includes Career & Workforce Development and Lifelong Learning)
- WKU Conference Services

Academic Outreach

Knicely Conference Center, South Campus Suite 120
Phone: (270) 745-3067
Visit: http://www.wku.edu/ao

WKU 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 On Demand web classes. Support staff are located in Garrett Conference Center, Office 101.

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. For a complete list of online degree programs, please visit our website at wku.edu/online. To contact a representative, call (270) 745-5173 or 1-888-4WKUWEB (888-495-8932) or email learn.online@wku.edu

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. WKU On Demand opportunities 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. WKU On Demand is uniquely qualified to serve students living across the state,
across the country, and around the world. WKU On Demand offers over 100 web courses and WKU faculty teach all courses.

Students may register for on demand courses any day of the year. Students may complete WKU 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 WKU On Demand courses can be found on our website at wku.edu/ondemand or by viewing WKU’s Schedule of Classes and searching by the campus, “On Demand.”

To contact a representative, call (270) 745-3815 or 1-800-535-5926 or email ondemand@wku.edu.

Online Program Services (OPS)
Online Program Services provides students with access to support designed to help them succeed in reaching their educational goals. OPS professionals are on staff to answer questions about online degrees and web courses, assist with the admission and course registration process, and connect students to needed resources! Services 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 with a single click through the Student Resource Portal at www.wku.edu/online/srp. For additional information on services available and online degree programs, please visit wku.edu/online or call (270) 745-5173.

Online Program Development (OPD)
OPD extends programmatic support to academic departments to facilitate the development and offering of online learning courses and programs. OPD offers marketing and promotion, financial support for online course development, and guidance on state authorization compliance. Using data-driven solutions, OPD serves faculty and supports online courses that have a measurable, positive impact on WKU students. For more information, call (270) 745-5305.

DELO Testing Centers
The DLTC 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, DLTC administers a number of academic placement and workforce certification exams. For more information, check out our website: wku.edu/testing or contact our office at 270-745-3628.

Dual Credit
Dual Credit is a unit within WKU’s Division of Extended Learning and Outreach (DELO) that 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; however, it is not a "gifted and talented" program. Students 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 to provide courses at area high schools and also offers students the opportunity to participate in a variety of online offerings. 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. For more details, visit cpe.ky.gov/policies/ (http://cpe.ky.gov/policies). For more information about WKU Dual Credit, visit wku.edu/dualcredit, call (270) 745-2386, or email dual.credit@wku.edu. Dual Credit is located in the Office of Academic Outreach at the Knicely Conference Center, Room 118.

Summer Sessions and Winter Term
The Division of Extended Learning and Outreach provides administrative support for Summer Sessions and Winter Term. These are optional terms offering short, intensive courses on campus, online, and Study Abroad. Winter and Summer sessions are excellent opportunities for students to move more quickly toward graduation, lighten Fall/Spring semester load, or catch up after changing majors. For more information, check our website wku.edu/summer or wku.edu/winter or contact our office at (270) 745-2478.

IVS Classes
Interactive Video Services (ICS) courses are video conference-based distance courses. IVS technology provides a familiar traditional classroom experience for students, while eliminating the need for travel. IVS courses provide a unique way for full, real-time interaction through the use of microphones and cameras to communicate among two or more of the specially-equipped classrooms located at each of the WKU campus locations. Students from each location actively participate in the course together.

For a list of available courses, visit WKU’s Schedule of Classes and search by Campus or by Session, “ITV (Interactive TV).”

Non-Credit Programs
WKU Continuing & Professional Development
Knicely Conference Center
Phone: (270) 745-1902
Visit: https://www.wku.edu/cpd

CPD oversees three non-credit areas:

- Career & Workforce Development (CWD) – provides training in communication skills, team building, supervision, and more the 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

WKU Conference Services
Knicely Conference Center
Phone: (270) 745-1908
Fulbright Faculty and Student Programs

Faculty Contact:
Dr. Anthony Harkins
Cherry Hall, Room 218
Phone: (270) 745-3841
Email: Anthony.Harkins@wku.edu

Domestic Student Contact:
Dr. Melinda Grimsley
Office of Scholar Development;
WKU Honors College-International Center 1045;
Phone: (270) 745-5043
Email: Melinda.Grimsley@wku.edu

International Student Contact:
Student & Scholar Services
Phone: (270) 745-4857
Email: iso@wku.edu

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 Dr. Anthony Harkins. Fulbright student grants for study, research, or teaching abroad are available to well-qualified 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.

Global Learning and International Affairs (GLIA)

Mr. John Sunnygard, Associate Provost for Global Learning and International Affairs
Honors College & International Center
Phone: (270) 745-5334
Website: [http://catalog.wku.edu/undergraduate/special-programs-divisions/global_learning_international_affairs/www.wku.edu/international](http://catalog.wku.edu/undergraduate/special-programs-divisions/global_learning_international_affairs/www.wku.edu/international)

Global Learning and International Affairs (GLIA) works on campus and around the world to offer WKU students transformative global learning experiences. GLIA consists of four units: Global Engagement; International Student and Scholar Services; International Student Progress; and Study Abroad and Global Learning. Global Engagement is involved in international programming on- and off-campus, international student recruitment and admissions, and presenting WKU internationally. International Student and Scholar Services supports prospective and current WKU students with immigration and visa compliance, as well as organizing programming to integrate international students into the US and WKU community. International Student Progress will develop the University’s non-credit English as a Second Language program for non-native English speakers, as well as the credit-bearing International Student Progress Pathway. Study Abroad and Global Learning is WKU’s one-stop shop for students seeking credit-bearing study off-campus in the US and worldwide. SAGL now includes the Office of Faculty Led and Study Away. WKU faculty and SAGL collaborate to build affordable, discipline-focused short-term off-campus study opportunities. All GLIA units are housed in the Honors College and International Center building.

Global Engagement

Phone: (270) 745-5334
Emails: internationalization@wku.edu; iem@wku.edu
Websites: [www.wku.edu/international](http://www.wku.edu/international)

Global Engagement (GE) is a unit within the Office of Global Learning and International Affairs (GLIA), which works on campus and around the world to offer WKU students transformative global learning experiences. GE exists to support the mission of GLIA and, by extension, WKU, through three primary areas of focus:

- **International Admissions**: leads WKU’s efforts to attract and enroll a diverse pool of talented undergraduate international students. This includes setting and ensuring adherence to admission standards, as well as liaising with academic departments and colleges to establish fruitful international partnerships in support of student recruitment.
  
  We also award scholarships to eligible international students. International Admissions generates immigration documents necessary for prospective students to secure the appropriate F-1 visa that is required to study at WKU in compliance with all U.S. federal laws and regulations.

- **Global learning and international programming**: reaches across the entire University community, ensuring that all WKU students have numerous opportunities to learn about and engage with the world and supporting lifelong learning within our region. These include targeted programs designed to internationalize the curriculum and co-curriculum, annual initiatives such as International Education Week, and international professional development opportunities for WKU faculty and staff.

- **Communication**: provides critical outreach to a wide-range of constituents—both internal and external. Through the creation and dissemination of timely and useful information, GE provides key support for international student recruitment and retention, as well as the overall communication needs of GLIA.

International Student and Scholar Services

Phone: (270) 745-4857
Email: iso@wku.edu
Website: [http://www.wku.edu/international](http://www.wku.edu/international)

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.

ISSS welcomes and assists international students and visiting scholars through advisement, programming, and support services. As the primary point of contact for current students and prospective visiting scholars, ISSS generates immigration documents necessary for them to maintain the appropriate F-1 or J-1 visa that is required to study or work at Western Kentucky University.
Kentucky University. ISSS is responsible for ensuring WKU’s compliance with U.S. federal laws and regulations that pertain to immigration requirements of the U.S. Department of Homeland Security (DHS), the U.S. Department of State (DOS), and other federal agencies. ISSS serves as WKU’s official liaison and primary point of contact for these federal offices. Based on their directives and regulations, staff members advise students and visiting scholars on matters related to maintaining and / or changing immigration statuses, student and scholar visa issues, work authorization, and other student support matters. Additionally, ISSS serves as the liaison and point of contact for sponsoring agencies, their students, and the WKU community.

Upon arrival, students and visiting scholars are required to attend an orientation, which includes workshops and programming to promote acculturation, adaptation, and personal adjustment to WKU and the Bowling Green community. Additionally, ISSS works closely with several student-run organizations, such as the Council of International Student Organizations, to help foster interactions between domestic and international students and encourage the various international student organizations to collaborate on projects. ISSS also manages the Zuhair Sofia International Student Diplomat Program which provides mentoring to current and prospective international students to assist them in achieving their personal, educational, and professional goals.

Study Abroad & Global Learning

HCIC Building
Phone: (270) 745-5334
Email: study.abroad@wku.edu
Website: http://www.wku.edu/studyabroad/

The Office of Study Abroad & Global Learning (SAGL) serves the WKU community by engaging students, faculty, and staff in diverse educational and cultural experiences through faculty-led, exchange, consortia, and other study abroad opportunities.

Study abroad programs at WKU offer students 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 budget needs. Students can choose to study, intern, volunteer, student teach, or conduct research abroad during any academic term.

Students who wish to study abroad should start planning early in their academic career to ensure the most affordable and academically enriching experience. When planning a study abroad experience, each student should be aware of the university’s academic requirements and regulations contained in this catalog in the chapter “Academic Information.” It is recommended that students work closely with their academic departments and the SAGL office to carefully select a program that meets their academic needs, fulfilling specific degree requirements through courses offered on the program.

WKU students who participate in a study abroad program may choose to earn an “Emphasis in Global Studies” designation, which can be combined with any major, as part of their undergraduate education. For details regarding the requirements, refer to the section about “Global Studies Designation” in this catalog or on the SAGL website.

Types of Study Abroad Programs

WKU students wishing to study in another country have a variety of options from which to choose. These options can be divided into five major categories: short-term faculty-led programs, international student teaching, exchange programs, WKU partner programs, and provider programs. More detailed information on all study abroad options can be found on the SAGL website, but a brief overview of each type of program follows.

- **WKU Faculty Led Study Abroad Programs**
  Many WKU students who study abroad do so by taking a course in another country on a program personally led by a WKU faculty member. These courses are typically 1-7 weeks in length and carry 3-6 credit hours, and they generally occur during the winter or summer terms.

- **WKU International Student Teaching**
  Education majors at WKU have the opportunity to spend the final month of their student teaching semester in another country, teaching classes in English at a partner school. This cross-cultural teaching experience fosters global awareness and helps prepare future teachers for working with diverse student populations.

- **WKU Exchange Programs**
  WKU has formal agreements with more than a dozen institutions of higher education outside the United States. Exchange programs are typically for a semester or an academic year, and they offer students the opportunity to become fully integrated into a foreign university. Shorter-term opportunities exist with some exchange partners. Students are often surprised to learn that studying abroad for a semester on an exchange program costs the same tuition as a semester at WKU at the in-state tuition rate.

- **WKU Partner Programs**
  WKU has close partnerships with several programs and study abroad consortia including Harlaxton College, Semester at Sea, the Kentucky Institute for International Studies (KIIS), and the Cooperative Center for Study Abroad (CCSA). The two on-campus consortia partners (KIIS and CCSA) offer affordable program options for which students receive WKU credit. Several of the courses offered on WKU partner programs are taught by WKU faculty members.

- **Provider Programs**
  WKU has affiliation agreements with a variety of study abroad program providers which offer a plethora of short-term, semester, and academic year programs in numerous countries around the world. Students who are unable to find a program that meets their academic needs through faculty-led, international student teaching, exchange programs, or WKU partner programs can certainly find good options through affiliate providers.

Financing Study Abroad

Scholarships and financial aid are available for most study abroad programs. Even the most expensive program can be affordable when students use all of the resources available to them. Students who are eligible for financial aid and/or are receiving scholarships can typically use those awards towards the cost of a study abroad program. The Office of Study Abroad and Global Learning, the Student Financial Assistance Office, and the Office of Scholar Development can help students plan financially for this important investment in their college education.

WKU has created several significant study abroad scholarships to support WKU students who pursue international opportunities. These scholarships include the World Topper Scholarship and the Diversity Abroad Grant (DAG). While the World Topper Scholarship is intended to support any WKU student planning to study abroad, the DAG is intended to provide significant financial support for diverse students. For more information about these and other scholarship opportunities available
through WKU and external organizations, visit the SAGL webpage (http://www.wku.edu/studyabroad).

Safety & Code of Conduct
The safety of our students is of paramount importance. Students are provided with information pertaining to insurance requirements, emergency procedures, and health and safety abroad during the pre-departure process, both in writing through SAGL's online application and enrollment tracking system, and in person at the mandatory pre-departure orientation session. Additional on-site orientation is provided upon arrival in the destination country. Students are also required to register with the U.S. State Department’s Smart Traveler Enrollment Program (STEP) prior to departure, which enables the State Department to reach students directly when security-related information is issued or updated. While abroad, WKU students are held to the standards set forth in the university’s Student Code of Conduct. The Office of Student Conduct will be notified of any alleged violations of the Student Code of Conduct that occur during an education abroad experience.

Information Technology
Information Technology Services (ITS) is a unit in the Division of Finance and Administration. 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 face-to-face and distance education; 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 both a centralized ITS Service Desk and TopperTech, a complementary repair service for student computers, and where students and employees can 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

The Kentucky Museum, located in the Kentucky Building, contains thousands of Kentucky and non-Kentucky artifacts, including examples of decorative arts, textiles, clothing, and an extensive art and quilt collection. The museum also offers a year-round program of field trips, workshops, lectures, and exhibit openings designed for the University community, as well as the general public.

Mission Statement
The Kentucky Museum’s mission, in line with parent organization Western Kentucky University’s vision, is to serve as a cultural resource by advancing an understanding and appreciation of history and art through a commitment to excellence in teaching, scholarship, community service, and professional practice.

Vision Statement
The Kentucky Museum is a premier museum in the Southeastern United States, providing on-going resources to its community, recognized for cultural experiences as well as the quality and diversity of nationally significant collections, and aspires to develop its reputation by drawing visitors from within and beyond its region.

Mahurin Honors College
Dr. Craig Cobane, Executive Director
Susann Davis, Associate Director
HCIC Building
Phone: (270) 745-2081; Fax: (270) 745-3568
Email: Honors@wku.edu
Website: http://www.wku.edu/honors

The Dixie and Peter Mahurin Honors College at WKU exists to provide high-achieving students with enriched courses and other opportunities for intellectual growth. The Honors curriculum is designed to encourage students to expand their intellectual curiosity and worldview, as well as to develop their abilities to read with insight, think logically and abstractly, write with precision, and engage in original scholarly research or creative activity. Participation in the Mahurin Honors College thus complements students’ academic preparation in their major and minor disciplines, and proves to be an asset when applying for graduate/professional schools.

The Honors College offers enhanced classes, colloquia and opportunities for independent study and research in an environment that is intellectually challenging as well as tailored to students’ individual interests and needs. Honors classes and colloquia are kept small in order to promote interactive learning and free discussion of ideas. The Honors Capstone Experience/Thesis (CE/T) process allows students to work with a faculty mentor on an original, substantive project in their major or minor discipline. Students can, in almost all cases, complete any baccalaureate degree program and the Mahurin Honors College requirements without increasing the number of hours required for graduation.

Mahurin Honors College track

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HON 251</td>
<td>Citizen and Self</td>
<td>3</td>
</tr>
<tr>
<td>HON 300</td>
<td>Honors Colloquium</td>
<td>1</td>
</tr>
<tr>
<td>or HON 275</td>
<td>Honors Internship I</td>
<td>3</td>
</tr>
<tr>
<td>Honors Upper-Division Electives</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Honors Upper-Division in Major</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CE/T Proposal Development:</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>HON 402</td>
<td>CE / T Proposal Writing Course</td>
<td>1</td>
</tr>
<tr>
<td>Capstone Experience/Thesis:</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HON 403</td>
<td>Honors Thesis / Project I</td>
<td>3</td>
</tr>
</tbody>
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Honors in the Major track

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Upper-Division Honors Credit in First major</td>
<td>4</td>
<td>12</td>
</tr>
<tr>
<td>Honors Elective (any level/major)</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours: 18

1. Can be replaced by 3 hrs. of Honors elective in any level/major.
2. Can be replaced by 1 hour of Honors elective of any level.
3. Can be replaced by 6 hrs. of Honors Upper-Division in Major.
4. 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. Please visit https://www.wku.edu/honors/admissions/eligibility.php.

**Honors Curriculum**

**College Requirements**

There are two tracks within the Honors College: the 28-hour Mahurin Honors College 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. Mahurin Honors College and Honors in the Major graduates also receive medallions to be worn at Commencement and Honors certificates recognizing their achievement. Medallions and certificates are typically presented at a banquet at the end of the spring semester.

**Program Features**

**Honors Classes**

Participation in Honors classes is limited to Honors-eligible students, and enrollments are generally restricted to 25 or less. Small class sizes and presence of highly motivated students lead to a more peer-like interaction between faculty and students. Students are encouraged to challenge and debate issues respectfully, and generally have greater responsibility for and control over how course information is disseminated. Development of critical thinking and communication skills is emphasized.

**Honors Colloquia**

Honors colloquia are interdisciplinary in nature, and emphasize student-directed learning. Colloquia deal with issues of contemporary, historical or intellectual significance, often with ethical implications to be weighed and debated. Students participate in and lead discussions on various aspects of the broad topic, and select specific issues on which to base analytical writing projects.

**Honors Augmented Credit**

Students enrolled in non-Honors upper-division courses may develop a contract with the faculty member, academic department, and Mahurin Honors College to receive Honors credit. This allows students to more fully pursue subjects of particular interest or importance to their career goals.

**Honors Capstone Experience/Thesis**

The Honors Capstone Experience/Thesis (CE/T) is a sustained original research or creative activity in a student’s major or minor discipline. The nature and form of the CE/T is open, to be determined based on the interests and background of the student and CE/T advisor. Past CE/T projects have included library and laboratory research projects, short story and poetry collections, computer programs, and original musical compositions. Upon completion, the title of the CE/T appears on the student’s official transcript.

**Honors Self-Designed Studies**

The Honors self-designed studies major and minor permit Honors students with specific goals or interdisciplinary interests to design unique programs of study when WKU’s existing programs do not adequately fit the student’s needs. The self-designed major requires at least 48 hours when used as a major that does not require a 2nd major or minor, 36 hours when used as a first major, and 30 hours when used as a second major; the area study minor requires 24 hours.

**Honors Priority Registration**

Returning Honors students in good standing may enroll during the Priority Registration period. Honors students must attend an Honors Advising appointment each academic year to be eligible for priority registration. Priority registration allows students greater flexibility and choice in planning their schedule. Incoming students register as part of the Topper Orientation Program (TOP) process.

**Honors Housing**

Honors 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.

**Honors Development Grants**

Students may apply to the Mahurin Honors College for grants to defray costs associated with Honors Capstone Experience / Thesis or other undergraduate research, or to permit travel that will advance their career training or educational experience. Grants may be used to defer costs associated with attendance at professional meetings.

**Travel Abroad Grants**

Students may apply to the Mahurin Honors College for grants to defray costs associated with study abroad programs. Funding is determined partially by the length of the program.

**The Chinese Language Flagship Program**

Sponsored by the National Security and Education Program, the Chinese Language Flagship Program seeks to bring scholars to the Superior level of Chinese proficiency during their undergraduate career. Chinese Language Flagship scholars take intensive Flagship Chinese courses every semester in addition to their major or minor coursework, working towards a level of professional proficiency in the language. Scholars also participate in multiple intensive Chinese Language opportunities abroad, including a prestigious overseas Capstone Year in China if admitted.

Scholars can major in almost any major at WKU. Those who complete all program requirement and test at the Superior level will receive the prestigious Flagship Certification by the U.S. government. Flagship Certified Professionals are highly motivated graduates equipped with the language proficiency and intercultural insights for careers in federal government, global business, nongovernmental organizations, and other fields. ROTC cadets who remain in good standing both in the ROTC and
Chinese Language Flagship programs are eligible for guaranteed federal government support for multiple study abroad programs.

Office of Scholar Development
Dr. Melinda Grimsley, Acting Director
2039 HCIC
Phone: (270) 745-5043
Email: osd@wku.edu
Website: http://www.wku.edu/osd/

The Office of Scholar Development (OSD) works with students on all WKU campuses and in all majors and degree programs, challenging them to dream big and working with them to make those dreams attainable. OSD staff members help students apply for nationally competitive scholarships by assisting them in the process of finding the right programs, making important contacts, developing strong proposals, and revising numerous drafts. Beyond the dollars and cents, national scholarships help students to study abroad, conduct research, complete undergraduate and graduate degrees, and change lives.

We are located on the second floor of the Dixie and Peter Mahurin Honors College / International Center on Normal Street. Please call OSD at (270) 745-5043 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 that is responsible for the needs of students in the designated service area (DSA), which consists of 27 counties.

Under the direction of the Division of Extended Learning and Outreach (DELO), WKU regional campuses bring the resources of the University to each region, enhance academic offerings with a combination of in-person, online and hybrid delivery formats and provide academic programs to meet the unique needs of each community. Students may qualify for transfer scholarships (https://www.wku.edu/financialaid/scholarships/transfer.php) and financial assistance (https://www.wku.edu/financialaid).

WKU Elizabethtown-Fort Knox Campus
Elizabethtown Campus
610 College Street, CRPEC 130
Elizabethtown, KY 42701
Phone: (270) 706-8870

Fort Knox
31 Warehouse Street, Building 65
Layaou Hall, Room 103
Fort Knox, KY 40121
Phone: (270) 706-8870
Fax: (270) 745-5079
Email: etown-ftknox@wku.edu
Website: http://www.wku.edu/etown-ftknox

Hardin County Schools Early College and Career Center (EC3)
200 University Drive
Elizabethtown, KY 42701
Phone: (270) 706-8870
Fax: (270) 745-3730

In 1964, WKU began offering graduate classes in Elizabethtown for teachers and school administrators within the region. In 1976, WKU partnered with the Army Continuing Education Center to offer classes at Fort Knox. Today, WKU Elizabethtown/Ft. Knox has offices at the Elizabethtown Community and Technical College, at Fort Knox and at the Hardin County Schools Early College & Career Center (EC3).

WKU Elizabethtown-Fort Knox provides students throughout the region with access to a variety of courses and degree programs, as well as academic & transfer advising, financial aid counseling, computer lab, writing assistance, testing center, military student services, career & workforce development and other resources to help them succeed.

WKU Glasgow Campus
500 Hilltopper Way
Glasgow, KY 42141
Phone: (270) 684-0104 or (270) 745-5095
Fax: (270) 684-0104
Email: glasgow@wku.edu
Website: http://www.wku.edu/glasgow

In February 1988, WKU officially opened the WKU Glasgow campus, offering college coursework to the citizens of Barren and surrounding counties. Today, WKU Glasgow offers a variety of courses and degree programs through a combination of in-person, online and hybrid delivery formats that meet the unique needs of the community.

WKU Glasgow offers students throughout the region access to a variety of courses and degree programs, as well as academic & transfer advising, financial aid counseling, computer lab, tutoring, writing assistance, testing center.

WKU Owensboro Campus
4821 New Hartford Road
Owensboro, KY 42303
Phone: (270) 684-9797 or (270) 745-5095
Fax: (270) 684-0104
Email: owensboro@wku.edu
Website: http://www.wku.edu/owensboro

WKU first expanded to the Owensboro/Daviess County region in 1969, offering graduate courses on the Kentucky Wesleyan College and Brescia University. Today, WKU Owensboro offers adult learners and transfer students a variety of courses and degree programs through a combination of in-person, online and hybrid delivery formats that meet the unique needs of the community.

WKU Owensboro offers students throughout the region access to a variety of courses and degree programs, as well as academic & transfer advising, financial aid counseling, computer lab, tutoring, writing assistance, testing center, military student services, career & workforce development and other resources to help them succeed.

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

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 CDC, a Kentucky licensed rehabilitation clinic, 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) 745-4232.

Vickie and Dan Renshaw Early Childhood Center
The Renshaw ECC provides multidisciplinary services to children with developmental delays and disabilities as well as typically developing children in a group setting. The RECC provides training for university students in early childhood education and related fields. It is also a center for research and collaboration with community partners and early childhood professionals. Phone (270) 745-4232.

Family Resource Program
The FRP is a service/resource program staffed with social work faculty, students and family volunteers. Staff are available to meet with family members and significant others to provide information, resource materials, screening services, case management services, support and referrals. Programming is focused on individuals and families with special needs. 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 Circle of Support program for individuals with ASD who are attending WKU. 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

WKU houses the Carol Martin Gatton Academy of Mathematics and Science in Kentucky. The mission is to offer a residential program for bright, highly motivated Kentucky high school students who have demonstrated interest in pursuing advanced careers in science, technology, engineering, and mathematics. The Gatton Academy is one of sixteen state-sponsored residential high school programs with an emphasis in science and mathematics.

The goal of the Gatton Academy is to enable Kentucky’s exceptional emerging scientists and mathematicians to learn in an environment that offers advanced educational and research opportunities, preparing them for leadership roles in the Commonwealth of Kentucky.

Each year the Gatton Academy admits Kentucky students who apply during their 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 the Gatton Academy and live in a uniquely dedicated Gatton Academy residence hall, taking courses offered by WKU. Their classmates are fellow Gatton Academy students and WKU undergraduate students. At the end of two years, Gatton Academy students will have earned a minimum of 60 college credit hours in addition to completing state high school graduation requirements.

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](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 (https://www.wku.edu/studentconduct).

Violations (https://www.wku.edu/studentconduct) 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 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 an educational experience. Although a student accused of academic or nonacademic misconduct will be granted every consideration, if actions and behavior 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.

Academic Misconduct (https://www.wku.edu/studentconduct)
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.

Conduct Actions/Outcomes (https://www.wku.edu/studentconduct) 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. 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:

• The degree of willfulness or inadvertence;
• The degree of injury or risk of injury to the accused or to another person, if any;
• The extent of damage to property, if any;
• The danger or risk of danger to the University community, if any; and,
• 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

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 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:

• Any violation of the University Alcohol Policy
• Any violation of the University Drug Policy
• 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 or any other drug or alcohol-related incident resulting in citation or arrest
• 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 many negative impacts of substance abuse.

**Tailgating Policy and Procedures**
Western Kentucky University wants you to have an enjoyable experience during your visit to campus. During WKU events and activities, safety is our primary concern. This Tailgating Policy is designed to enhance your safety and comfort and should be an environment free of the abuse or illegal use of alcohol. The university condemns any act related to the consumption of alcohol that impairs, interferes, or endangers the safety or enjoyment of others, including the individual who chooses to consume the alcohol. This policy looks to preserve the academic environment without necessarily restricting other freedoms. More information regarding tailgating at WKU, please visit: 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 Enhancement. 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 weekly to review referrals from faculty, staff, and students’ demonstrative behavioral concerns. The CPT consists of the following offices:

- Office of the Dean of Students
- Office of Student Conduct
- Academic & 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) 745-2499

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.

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.

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 student 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, Relay for Life activities, 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/.

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).

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
Potter Hall, Office 409
Phone: 270-745-3159
Dero Downing Student Union
David Emerson, Associate Director of Student Activities and Union Operations
Downing Student Union
Phone: 270-745-5793
Website: http://www.wku.edu/dsu/

The Downing Student Union is truly the crossroads of WKU! Located on the ground floor are The WKU Store, Post Office & Print Center. 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, a Study Lounge, the Recreation Room, and a 633-seat Auditorium. Located on the second floor are the Office of the Dean of Students, The Center for Career and Professional Development, Academic Advising & Retention Center, Transfer Center, Student Government Association (SGA), Offices for Student Activities and Leadership & Volunteerism Program, The Intercultural Student Engagement Center, The Gallery, administrative offices for the WKU Restaurant Group, 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 https://www.wku.edu/dsu/.

Intercultural Student Engagement Center
Dr. Martha Sales, Director
Dero Downing Student Union, Office 2041
Phone: 270-745-5066; Fax 270-745-5273
Website: https://www.wku.edu/ese/

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

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 Internal 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, at least a partial payment 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. We accept BIG RED CARD for co-pays and payments.

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 Urgentcare and Emergency Room Services if needed.

Domestic students that are interested in purchasing the student health insurance plan should contact Steve Rey via email (steve.rey@wku.edu) or by phone at 270-745-6060.

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

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 two-year span in the league, WKU has captured a league-high 14 conference championships and two football bowl championships and has led the league in total conference championships each season. During the 2015-2016 academic year, 102 student-athletes graduated with their undergraduate, graduate or doctorate degrees and posted an average cumulative GPA of 3.12. For the first time in program history, every WKU athletic team posted a 950 or higher score in the NCAA’s annual Academic Progress Rate (APR) metric, 20 points above the NCAA-mandated minimum.

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 9 American Forensics Association Championships and 13 National Forensics Association Championships since 2003). WKU has won the Lincoln Douglas Debate Team National Championship 13 out of the last 14 years. 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 nine times since 2003.

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, leadership, and unity, 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)**

Stephen Rey, Director
Email: Steve.Rey@wku.edu

The Department of Campus Recreation & Wellness (formerly Intramural-Recreational Sports) 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 class room, 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 consists 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. Activities included in these programs are badminton, basketball, battleship, college football pick’em, corn hole tournament, flag football, foot golf, futsal, March Madness bracket challenge, pickle ball, soccer, softball, table tennis, tennis, 3 point challenge, 3 on 3 hoops tournament, 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 badminton, basketball, disc golf, fencing, golf, spike ball, rugby, soccer, sports officials, swimming and diving, tennis, volleyball 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 Western. 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. Funded by the J. Clifford Todd, Professorship in Longevity & Healthful Living Fund, the Mission of the WellU® program is to unify student health promotion efforts at WKU. The WellU® program gives away $20,000 in scholarships and prizes every year to students for active participation. Check out this great opportunity at www.wku.edu/awellu. The Student Wellness program is located in the Health Services Building (GGC@WKU) on campus adjacent to the Preston Center.

Campus Nutrition is to educate and motivate WKU students, while collaborating with the community, concerning the importance of maintaining wholesome nutrition for their health. Campus 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 Campus Nutrition program works to provide healthier alternatives to everyday food choices, and provide students with 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 (https://hilltoppernutrition.wordpress.com), for information on our favorite nutrition topics. Campus Nutrition is located in the Health Services Building (GGC@WKU) on campus.

The WKU Health Education & Promotion Program (HEP), located in the Health Services Building (GGC@WKU), 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/heap/ 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, Rocky Mountain National Park, and the Buffalo National River. The activities we participate in are unique on campus and include rock climbing, canoeing, back packing, mountain biking, and dog sledding. 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 both high and 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. Activities at the course range from ground based problem-solving to traversing high course elements or zip lining 40 feet in the air. With 10 low course elements and 12 high 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 supervisors, 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/.

Lost and Found
A centralized lost and found service is located in Dero Downing Student Union. The telephone number is 270-745-5793.

Military Student Services
Coordinator: Kent Johnson
Phone: (270) 745-4163
Email: military@wku.edu
Website: 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 to discover services and programs available, a few of which are:

- A Veterans Resource Center.
- Free textbook loans to eligible students through the Textbooks For Troops program.
- Discounted Tuition Rate for active duty, reserve, and National Guard members.
Federal Tuition Assistance help for all active duty service members from all branches. WKU participates in GoArmyEd, the AI portal for Air Force personnel and the Navy and Marine Corps TA programs.

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 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 an active duty 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. Active duty service members may request a grade of incomplete if a relatively small amount of work is not completed, allowing an extension due to deployment.

WKU also supports and complies with the U.S. Department of Education Readmission policy, which is:

http://www.ecfr.gov/cgi-bin/text-idx?
SID=3e00d2cf51750f02f3872015b89388&mc=true&node=se34.3.668_118&rgn=div8

## 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/](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.
- Maintain a "Service Oriented" department, providing the university community with an exceptional level of law enforcement resources.
- 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**

WKU Restaurant Group offers a wide variety of dining options—many that will fit your wants and needs.

### Top of the Hill:

**Chili’s Grill & Bar at Alumni Square Garage** - Chili's offers a fun, energetic atmosphere for everyone. This American casual dining restaurant provides a distinct, flavorful mix of Southwestern Tex-Mex style cuisines. Don’t forget that Chili’s accepts Meal Plan Dollars as well, so stop by and see us soon! Located at 268 Alumni Avenue between the Augenstein Alumni Center and the adjacent parking structure near the campus’ edge. Free parking is available in the Alumni Square Garage.

**DaVinci’s in Snell Hall** - A Panera Bread style restaurant, DaVinci’s offers fresh baked muffins, stuffed croissants, 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.

**Garrett Food Court** - Located at the top of the hill in Garrett Conference Center, Garrett Food Court has something for everyone. Papa John’s Pizza offers Papa’s Pizza for One and parmesan breadsticks. You’ll also find made-to-order pasta at Bene Pasta, giant burritos, quesadillas and quesadillas at Izz's Southwest, great burgers and chicken at Grille Works and Mediterranean-inspired food at OLILO by Cat Cora. With lots of grab and go items, you are sure to find what you are looking for.

**Subway @ Garrett** - Eat fresh! With two on-campus locations, you can always find time to stop in. Subway @ Garrett has all the sandwiches, soups and pizzas that Subway offers. Located in Garrett Conference Center. 

**Panda Express** - Panda Express features Mandarin and Szechwan wok-cooked entrées. Entrées include favorites like broccoli beef, orange...
chicken, and Kung pao chicken. Panda Express is located just one floor above the Garrett Food Court in the Garrett Conference Center. Restaurant Group offers a wide variety of dining options...many that will fit your wants and needs.

**Topper Grill & Pub** - Topper Grill & Pub provides customers with a wide variety of menu options, while also keeping the classic options that everyone loves. Topper Grill & Pub serves pizzas, sandwiches, burgers, wraps and much more, so stop by and eat with us! The entrance is located at the opposite end of Garrett Conference Center as Panda Express.

**Java City Library** - Java City offers gourmet drinks and pastries in addition to sandwiches ready to grab on the run. Whether you’re on your way to class or here to relax and socialize, Java City provides the perfect atmosphere and the best selection of all of your favorite treats. Located in Helm Library.

**Center of Campus**

**Hilltopper Hall** – WKU’s only 24-hour dining location offers all-you-care-to-eat options at any hour of the day. Located in the newest residential hall, Hilltopper Hall.

**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** - SUBWAY® is located on the ground floor of 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 more. Our chefs are ready to serve you a changing menu of specialties including daily vegan/vegetarian options, homestyle 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. 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. Have a gathering? Need a pizza? No problem! Call ahead with Papa John’s at DSU and we’ll get it ready for you.

**RedZone** – WKU’s sports themed restaurant, RedZone has something for everyone from wings, nachos and amazing quesos to soups, 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! From Sweet and Spicy Korean to Cajun Rice Bowls, Burrito Bowl has it all.

**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. Einstein Bros. Bagels’ “Darn Good Food!” menu selection also offers many low-fat and low-carb options to appeal to customers’ desires for healthier options. Located in Jody Richards Hall.

**The Den by Denny’s @ Tower Court** – 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-schooly. (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.

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 www.wku.edu/wkurg or stop by our office in Downing Student Union Room 1047. Questions may be answered by calling (270) 745-2416.

**The Student Accessibility Resource Center**

**Robert Unseld, Director**

**Matthew Davis, Coordinator**

**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

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 disability and/or impairment. These accommodations may include: note takers, extended time on tests, a distraction-free testing area, textbooks on CDs, priority in academic advising/registering, etc. Particular attention relates to assuring accessibility in classrooms, laboratories, and housing. Interpreting and captioning services are available for Deaf and Hard of Hearing students. If a student with a disability has special concerns or needs before he/she attends the University, or if he/she encounters problems while enrolled on campus, he/she is 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 270-745-8985, email: student.obudsman@wku.edu.

**WKU TRIO Programs**

Dr. Martha Sales, Director of TRIO Programs  
Email: Martha.Sales@wku.edu  
Jones Jaggers Hall, Office 100A  
Phone: 270-745-3757  
Website: 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**

Charlene Manco, Director  
Email: Charlene.Manco@wku.edu  
Email: EOC@wku.edu  
Jones-Jaggers Hall, Office 107  
Phone: 270-745-4441; Fax: 270-745-2003  
Website: 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**

Dr. Martha Sales, Director  
Email: Martha.Sales@wku.edu  
Email: ets@wku.edu  
Jones Jaggers Hall, Office 100A  
Phone: 270-745-3757  
Website: 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**  
Bowling Green/Warren County

Dr. Brian Brausch  
Email: Brian.Brausch@wku.edu  
Email: ets@wku.edu  
Jones Jaggers Hall, Office 100A  
Phone: 270-745-3757  
Website: http://www.wku.edu/ets

Educational Talent Search 2 (ETS2) 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 support services. For more detailed information, contact the ETS office.

**Educational Talent Search - Barren County/Simpson County**

Ms. Denise Hardesty  
Email: Denise.Hardesty@wku.edu  
Email: ets@wku.edu  
Jones Jaggers Hall, Office 100A  
Phone: 270-745-3757  
Website: 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**

T. Chris George, Director  
Email: chris.george@wku.edu  
Jones-Jaggers Hall, Office 132  
Phone: 270-745-4308; Fax: 270-745-6850
services to prepare eligible veterans to enter postsecondary school. All Veterans Upward Bound is a pre-college program that provides academic enrichment. Facebook: http://www.facebook.com/vubwku
Website: http://www.wku.edu/vub
Phone: 270-745-5310; Fax: 270-745-5987
Jones-Jaggers Hall, Room 127
Davy Stone, Director
Veterans Upward Bound

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.

Upward Bound
Cameron Carr-Calvert, Director
Email: Cameron.Carr-Calvert@wku.edu
Jones Jaggers Hall, Office 100
Phone: 270-745-4873; Fax: 270-745-2031
Website: 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 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.

Veterans Upward Bound
Davy Stone, Director
Jones-Jaggers Hall, Room 127
Phone: 270-745-5310; Fax: 270-745-5987
Email: Veterans.Upward.Bound@wku.edu
Website: http://www.wku.edu/vub
Facebook: 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-Jaggers Hall 127, Bowling Green, Kentucky 42101-1098.

WKU Store
Downing Student Union
Phone: 270-745-2466
Website: https://www.wku.edu/wkustore/
The WKU Store has been owned and operated by Western Kentucky University since 1923. All purchases made at the store help support WKU students, faculty and staff. The WKU Store provides the largest in-town selection of used and rental textbooks—including custom texts and digital formats. The store is an Apple authorized seller featuring Macbooks, iMacs, iPads and accessories as well as Dell, Acer and other brands. Also, voted Bowling Green’s #1 place for WKU apparel and merchandise.

They offer a Textbook Reservation Program for Fall and Spring semesters. 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.

Visit the Main Campus Store on the first floor of Downing Student Union. Thanks for shopping your WKU Store!
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