



# GRADUATE CATALOG 2024-2025 WKU<sup>®</sup>

CLIMBING TO GREATER HEIGHTS



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# GRADUATE STUDIES

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Graduate Studies at WKU provides advanced students the opportunity to study, conduct research, and contribute to their academic field.

The Graduate Catalog in its entirety represents University Policy (Policy 1.0004 (<http://www.wku.edu/policies/docs/?policy=385>)) which must be followed and met before a credential is awarded. The Executive Director for Graduate Studies is charged with the administration of Graduate Studies policies and certifies that candidates have fulfilled their requirements for advanced degrees and certificates. The Executive Director for Graduate Studies is advised by the Graduate Council (<http://www.wku.edu/graduatecouncil/>), a standing committee of the Faculty Senate (<http://www.wku.edu/senate/>). The University reserves the right to make changes as necessary in course offerings, curricula, academic policies, rules and regulations. The student is responsible for knowing and fulfilling all degree and certificate related requirements. Appeals of Graduate Policies are considered first by the Executive Director for Graduate Studies. Further appeals of those decisions may be submitted to the Office of the Registrar for consideration by the Committee on Graduate Credits and Graduation. 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 <https://www.wku.edu/registrar/>.

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WKU is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC).

This catalog was prepared in the Graduate School at Western Kentucky University and paid for from state funds (KRS 57.375). All statements in this publication are announcements of present policy only and are subject to change at any time without prior notice. They are not to be regarded as offers to contract.

Upon request, this publication is available in alternate format for persons with disabilities. Please contact: Matt Davis, Coordinator, Student Accessibility Resource Center, Dero Downing Student Union, Room 1074, (270) 745-5004. Western Kentucky University is an equal opportunity institution of higher education and upon request provides reasonable accommodation to individuals with disabilities. [www.wku.edu/eoo](http://www.wku.edu/eoo) (<http://www.wku.edu/eoo/>).

## The University

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

Graduate Studies at WKU offers graduate education in ninety-one (91) 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. The Undergraduate Catalog (<https://catalog.wku.edu/undergraduate/>) provides information regarding baccalaureate degrees, associate degrees, and undergraduate certificates, as well as undergraduate policies, procedures, and student services.

## History of WKU

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

On February 4, 1911, the school moved to its present site on "The Hill," approximately 125 feet above downtown Bowling Green and formerly the site of the Pleasant J. Potter College. Over the next decade, the curriculum focused on teacher training and certification. In 1922, the state renamed the institution Western Kentucky State Normal School and Teachers College and authorized it to grant four-year degrees. The first such degrees were awarded in 1924. The campus expanded in 1927, when it merged with Ogden College, a private young men's school located on the east side of The Hill. The name was shortened to Western Kentucky State Teachers College in 1930, and the following year the first graduate degree was offered.

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

and Technology. On June 16, 1966, Western Kentucky State College became Western Kentucky University.

More colleges and reorganization followed throughout the years as WKU continued to grow. The College of Health and Human Services was established in 2002. In 2011, the university's first doctoral degrees, the Doctor of Education in Educational Leadership, were awarded through the College of Education and Behavioral Sciences. In 2011 and 2013 two 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 academic colleges are:

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

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

## Mission

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

## Statement of Purpose

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

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

Maintaining a campus of distinctive history and character, WKU sustains a student population of increasing quality. WKU fulfills its responsibility

for access through its main and regional campuses, and through extensive distance learning opportunities. WKU recognizes that its mission continues to evolve in response to regional, national, and global changes, and the need for lifelong learning.

## Core Values

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

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

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

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

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

- Emphasis on cooperation, teamwork, and mutual respect for individual differences in scholarship, diversity, and culture.
- Expectation for all conduct to be characterized by integrity, honesty, and commitment to high moral and ethical values and principles.
- Commitment to assuring quality of programs, competence of graduates, and opportunities for lifelong learning.
- A view of scholarly endeavors that includes teaching, research, and creative activities as mutually supportive.
- Encouragement of meaningful and active partnerships among students, faculty, staff, and constituents to strengthen the learning environment.
- Nurturing of innovative and creative activities of faculty, staff, and students that advance University mission and goals.
- Dedication to the importance of achieving excellence in all programs and for adding value to the degrees and credentials of our students.
- Commitment to providing a collegiate experience that prepares students to be informed, engaged, and dedicated citizens.
- Commitment to contributing to improved quality of life and economic well-being of Kentuckians, especially those in our primary service area, as well as other constituents and stakeholders.
- Commitment to developing empowered, informed, and responsible learners who recognize both the personal and shared responsibility to actively participate in university life by upholding the principles of the University Creed.

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

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

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

## Leadership & Governance President of the University

Dr. Timothy C. Caboni

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## Academic Deans

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 Dr. Terrance D. Brown, Potter College of Arts & Letters  
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## College Heights Foundation Board of Directors

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## Graduate Faculty

WKU Graduate Faculty (p. 277) engage in creative activity and diverse scholarship including basic and applied research that expands knowledge, improves instruction, increases learning, and provides service to the state and the nation. Academic Affairs (<http://www.wku.edu/faculty/>) maintains a comprehensive list of WKU faculty, including distinguished professors.

All courses offered for graduate credit at WKU must be taught by graduate faculty. Membership in the graduate faculty may be acquired through two methods. First, membership may be granted through the hiring process. The department chair or program director/ coordinator should recommend graduate faculty status at the time of hire. The College Dean will review the recommendation, approve, and forward the recommendation to the Executive Director of Graduate Studies for approval. Second, membership may be granted to current faculty members via a recommendation by the faculty member's department chair or program director/coordinator. The College Dean must review the recommendation, (dis)approve, and forward to the Executive Director of Graduate Studies for approval.

Nominations and recommendations are based upon the general criteria of evidence of scholarly attainment, active participation in research, scholarly activities and/or professional accomplishments which are recognized or commended by professional organizations in the candidate's field and professional standing. Graduate faculty should also express a willingness to direct the study of graduate students. College deans, department chairs, or program director/coordinator should evaluate faculty for graduate faculty status as part of the annual review procedure in accordance with the general criteria listed above.

(Approved by Graduate Council 12/10/15)

Western Kentucky University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associate, baccalaureate, masters, educational specialist, and doctorate degrees. Western Kentucky University also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the

accreditation of Western Kentucky University may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website ([www.sacscoc.org](http://www.sacscoc.org) (<http://www.sacscoc.org>)).

AACSB International – The Association to Advance Collegiate Schools of Business (<https://www.aacsb.edu/educators/accreditation/>) (BS, MA, MS, MAcc, MBA) BS in Accounting, Master of Accountancy & Data Analysis, Master of Business Administration, BS in Business Data Analytics, BS in Business Economics, AB in Economics, MA in Applied Economics, BS in Mathematical Economics, MS in Cybersecurity Data Analytics, BS in Finance, BS in Management, BS in Marketing, all certificates offered by Gordon Ford College of Business

ABET - Engineering Accreditation Commission of ABET (<http://www.abet.org/>) (BS) BS in Civil Engineering, BS in Computer Science, Systems/Scientific Application, BS in Electrical Engineering, BS in Mechanical Engineering

ACEJMC - Accrediting Council on Education in Journalism and Mass Communications (<https://www.acejmc.org/>) (AB) Bachelor of Arts in Advertising, Bachelor of Arts in Broadcasting, Bachelor of Arts in Public Relations, Bachelor of Arts in Visual Journalism and Photography, Bachelor of Arts in Journalism

ACEN - Accreditation Commission for Education in Nursing (<https://www.acenursing.org/>) (ASN) Associate of Science in Nursing

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

ATMAE - The Association of Technology, Management, and Applied Engineering (<https://www.atmae.org/page/AccreditedPrograms/>) (BS) BS in Manufacturing Engineering Technology

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

CACREP- Council for Accreditation of Counseling and Related Educational Programs (<https://www.cacrep.org/>) (MAE) Master of Arts in Education in Counseling, concentrations in Marriage, Couple and Family Counseling and Clinical Mental Health Counseling

CAEP - Council for the Accreditation of Educator Preparation (<http://caepnet.org/>), and Kentucky's Educational Professional Standards Board (<http://www.epsb.ky.gov/>)(EPSB) (BS, MAT, MAE, EDS) Undergraduate and Graduate programs in Teacher Education, Specialist in Education for School Psychology

CAHIM - Commission on Accreditation for Health Informatics and Information Management Education (<http://www.cahiim.org/>) (BS) Bachelor of Science in Health Information Management

CAPTE - Commission on Accreditation in Physical Therapy Education (<https://www.capteonline.org/>) (DPT) Doctor of Physical Therapy

CCNE - Commission on Collegiate Nursing Education (<https://www.aacnursing.org/ccne-accreditation/find-accredited-programs/>) (BSN, MSN, DNP, FNP Certificate, PMHNP Certificate) Bachelor of Science in Nursing, Master of Science in Nursing, Doctor

of Nursing Practice, Post-MSN Certificate for Family Nurse Practitioner, Post-MSN Certificate for Psychiatric Mental Health Nurse Practitioner

CEPH - Council on Education for Public Health (<https://ceph.org/>) (BS, MPH) Bachelor of Science in Public Health, Master of Public Health

COAPRT - Council on Accreditation of Parks, Recreation, Tourism and Related Professions (<https://accreditationcouncil.org/>) (BS) Bachelor of Science in Recreation, Park, and Nonprofit Administration

CODA-ADA - Commission on Dental Accreditation of American Dental Association (<https://coda.ada.org/>) (AS) Associate of Science in Dental Hygiene, Bachelor of Science in Dental Hygiene

CSWE - Council on Social Work Education (<https://www.cswe.org/>) (BSW, MSW) Bachelor of Social Work, Master of Social Work

EHAC - The National Environmental Health Science and Protection Accreditation Council (<https://www.nehspac.org/>) (BS, MS) Bachelor of Science in Environmental and Occupational Health Science, Master of Science in Environmental and Occupational Health Science

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

NASAD - National Association of Schools of Art and Design Commission on Accreditation (<https://nasad.arts-accredit.org/>) (AB, BS, BFA) Bachelor of Arts in Visual Studies, Concentrations in Studio and Art Education, Bachelor of Fine Arts in Visual Arts with Concentrations in Studio, Graphic Design, User Experience Design, Animation, Bachelor of Arts in Art History, Bachelor of Fine Arts in Film Production, Bachelor of Science in Interior Design and Fashion Merchandising

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

NASM - National Association of Schools of Music Commission on Accreditation (<https://nasm.arts-accredit.org/>) (AB, BM, MM) Bachelor of Arts in Music, Bachelor of Music, Master of Music

NASP - National Association of School Psychologists (<https://www.nasponline.org/>) (EdS) Specialist in Education for School Psychology

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

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

NAEYC - National Association for the Education of Young Children (<https://www.naeyc.org/>) (BS) Bachelor of Science in Child and Family Services with concentration in Child and Family Services Child Development pathway)

## Approved by Professional Organizations

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

ABA - American Bar Association (<https://www.americanbar.org/>) (AB) Bachelor of Arts in Professional Legal Studies

CEPR – Certification in Education for Programs in Public Relations (<https://www.prssa.org/prssa/chapter-firm-resources/pr-program-certification/>) (AB) Bachelor of Arts in Public Relations

## University Notices

### 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 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 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  
600 Independence Avenue, SW  
Washington, DC 20202-4605

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:

Dr. Jennifer Hammonds, University Registrar  
Potter Hall 238

(270) 745-3351

## Statement of Compliance

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

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

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

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

Ms. Ena Demir  
 Title IX Coordinator / Executive Director, Office of Institutional Equity  
 Wetherby Administrative Center, Suite 317  
 1906 College Heights Blvd. #11001  
 Bowling Green, KY 42101-1001  
 (270) 745-5398

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

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

Office of Equal Employment Opportunity/Affirmative Action/University ADA Services  
 Wetherby Administration Building, Suite 317  
 1906 College Heights Blvd. #11009  
 Bowling Green, KY 42101-1009  
 (270) 745-5121

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

Academic Affairs & Provost's Office

Wetherby Administration Building, Suite 239  
1906 College Heights Blvd. #11008  
Bowling Green, KY 42101-1008  
Phone: (270) 745-2297

Inquiries about alleged discrimination may also be made directly to:

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

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

or

The Equal Employment Opportunity Commission  
600 Martin Luther King, Jr. Place, Suite 268  
Louisville, Kentucky 40202  
(800) 669-4000  
TTY (800) 669-6820

## Student Academic and Grade Change Procedure

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

### Step 1 (Faculty Member)

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

### Step 2 (Department Level)

- If the student and the faculty member are unable to resolve the complaint, the student may take the complaint to the faculty member's department head. Written notification of the complaint must be given to the department head within two weeks after the meeting with the faculty member. If the faculty member is also the department head, proceed to Step 3.
- The written notification to the department head should clearly state what the student believes are the faculty member's unreasonable and/or unfair practices or procedures, and include any available documentation.
- The department head may attempt to resolve the complaint by meeting with the student and faculty member separately to mediate the issue.

- If the department head is unable to resolve the complaint in this way, a meeting will be arranged 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 meeting.
  - The department head shall hear both sides of the complaint and attempt to resolve the matter.
  - If the department head is unable to bring about an agreed upon resolution between the student and the faculty member, the department head will issue a recommendation.
  - The department head shall create a written record of the meeting, including his/her recommendation. A copy of this record shall be provided to the student and the faculty member at the time the department head's recommendation is issued to them.
  - If the faculty member is no longer with WKU or refuses to participate, the decision of the department head shall be followed.

### Step 3 (College Level)

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

If neither party has appealed the Committee's decision after two weeks, the decision will be final. The Dean's office will be responsible for taking action required by the decision, if any.

#### Step 4 (University Level)

- Should the student or the faculty member be dissatisfied with the decision of the College Complaint Committee, either may appeal the decision to the University level.
- The appealing party should deliver a written appeal to the Office of the Provost within two weeks following issuance of the College Committee's decision.
- The written appeal should include a copy of the College Committee's decision, and clearly state the basis for the appeal, including but not limited to, any unreasonable and/or unfair practices or procedures, and include any available documentation. Copies of the appeal should be delivered by the appellant to the party not appealing the College Committee decision.
- The Office of the Provost will coordinate and convene the University Complaint Committee.
  - The student and faculty member will be provided with a copy of the University Complaint Committee's procedural guidelines.
  - The University Complaint Committee will secure copies of the recommendations rendered by the department head and the College Complaint Committee.
  - The University Complaint Committee will schedule a conference where the faculty member and the student are present and will discuss the issue.
  - Neither the faculty member nor the student will be allowed representation at the conference.
  - All material presented at the meeting is considered subject to FERPA and confidential, and no new materials may be presented at this meeting. If new material is presented, the appeal will be referred back to the College Complaint Committee.
  - The University Complaint Committee shall hear both sides of the complaint, and shall create a written record of the meeting. The decision and its rationale shall be reduced to writing, with copies sent to the Provost, the Dean of the College, the student, faculty member, and the faculty member's department head.

The Office of the Provost will see that decisions of the University Complaint Committee are carried out. **The University Complaint Committee's decision is final.**

#### Out of State Distance Learners

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

Student complaints related to grades or student conduct may not be appealed to Kentucky Council for Postsecondary Education.

#### Supplements

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

#### Important Complaint Exceptions:

- Student Disability regarding denial of accommodations, report to Student ADA Compliance Officer and follow WKU policy #6.1010
- Discrimination and Harassment concerns, see below reporting process and follow WKU policy #0.2040 and #0.2070
  - Discrimination is always reported to the Office of Equal Opportunity Employment (EEO)
  - Student-to-student harassment is reported to Office of Student Conduct or the WKU Title IX Coordinator
  - Student-to-faculty/employee harassment is reported to the Office of Equal Opportunity Employment (EEO)

#### 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 2017 fall semester and who completed an associate degree or a baccalaureate degree within six years (through August, 2023). For this cohort of beginning students, the graduation rate is 53.7%.

## Academic Calendar

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

### Fall Semester 2024

Classes Begin (Full-Term, First Bi-Term, 5-Week Session 1)	Monday, August 19
Labor Day (University closed)	Monday, September 2
5-Week Session 1 Ends	Friday, September 20
5-Week Session 2 Begins	Monday, September 23
Fall Break (University closed)	Monday-Tuesday, October 7-8
1st Bi-Term Finals	Thursday-Friday, October 10-11
2nd Bi-Term Begins	Monday, October 14
5-Week Session 2 Ends	Friday, October 25
5-Week Session 3 Begins	Monday, October 28
Election Day (University closed)	Tuesday, November 5
Thanksgiving Holiday (University closed)	Wednesday-Friday, November 27-29
Final Examinations	Monday-Thursday, December 2-5
2nd Bi-Term Finals	Wednesday-Thursday, December 4-5
5-Week Session 3 Ends	Thursday, December 5
College Recognition Ceremonies	Friday, December 6
Final Grades Due (noon)	Tuesday, December 10

### Winter Term 2025

3-Week and 5-Week Sessions Begin	Monday, December 16
Winter Break (University closed-Winter Session Classes in Session)	December 23-January 3
3-Week Classes End	Saturday, January 4
2-Week Classes Begin	Monday, January 6
2-Week and 5-Week Classes End	Saturday, January 18
Martin Luther King Jr. Day (University closed)	Monday, January 20
Final Grades Due (noon)	Tuesday, January 21

### Spring Semester 2025

Classes Begin (Full-Term, First Bi-Term, 5-Week Session 1)	Tuesday, January 21
5-Week Session 1 Ends	Friday, February 21
5-Week Session 2 Begins	Monday, February 24
1st Bi-Term Finals	Thursday-Friday, March 6-7
2nd Bi-Term Begins	Monday, March 10
Spring Break	Monday-Friday, March 17-21 (University closed - Wednesday-Friday, March 19-21)
5-Week Session 2 Ends	Friday, April 4
5-Week Session 3 Begins	Monday, April 7
2nd Bi-Term Finals	Thursday-Friday, May 1-2
Final Examinations	Monday-Thursday, May 5-8
5 Week Session 3 Ends	Thursday, May 8
Commencement	Thursday, May 8
College Recognition Ceremonies	Friday, May 9
Final Grades Due (noon)	Tuesday, May 13

# Summer Term 2025

Classes Begin	Monday, May 12
Memorial Day (University closed)	Monday, May 26
Juneteenth Holiday (University closed)	Wednesday, June 19
Independence Day (University closed)	Thursday, July 4
Summer Term Ends	Friday, August 8

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## Admission to Graduate Studies

[www.wku.edu/graduate](http://www.wku.edu/graduate) (<http://www.wku.edu/graduate/>)  
graduate.school@wku.edu

1906 College Heights Blvd. #11010  
Wetherby Administration Building 207  
Bowling Green, KY 42101-1010  
(270) 745-2446 Phone | (270) 745-6950 Fax

Students seeking a graduate degree, graduate certificate, or enrollment as a non-degree student must apply for admission by completing the online graduate application (<http://www.wku.edu/apply/>) and paying a non-refundable application fee. Graduate program application requirements and deadlines vary by program. Admission to or completion of a graduate certificate does not guarantee admission to a graduate degree program. Admission to Graduate Studies is based on a recommendation from the graduate program to the Executive Director of Graduate Studies. Final admission decisions are made by Graduate Studies. Applicants who meet minimum Graduate Studies admissions standards are not guaranteed admission. Offers of admission are not official until approved by the Executive Director of Graduate Studies. Official graduate admissions decisions are communicated to applicants by Graduate Studies.

### Admission Requirements

1. Baccalaureate degree or higher, or equivalent international degree, from a regionally accredited institution of higher education.
2. Minimum cumulative grade point average (GPA) of 2.75 or greater on baccalaureate degree or equivalent international degree or minimum GPA of 3.0 on a degree higher than a baccalaureate or equivalent international degree.
3. Evidence of English proficiency (international students only)

Individual graduate programs may have more stringent and/or additional requirements. Applicants should consult individual graduate program pages in this catalog for specific admission requirements. Contact the program coordinator for applicable deadline information.

(Approved by Graduate Council 12/7/17)

### Standardized Examinations

Graduate Studies does not require any standardized examination for admission to the University; however, standardized examinations (such as the GRE, GMAT, etc.) may be required for admission to specific degree or certificate programs. Applicants should review the requirements for each graduate program before submitting an application. If required, standardized test scores must be received by Graduate Studies as part of the application.

(Approved by Graduate Council 11/13/14)

### Admission Decision

Graduate Studies will notify applicants of the admission decision which will include one of four types:

- Good standing - admitted
- Conditional - admitted with conditions
- Denied - not admitted
- Program full - not admitted due to program capacity

### Conditional Admission

If a student does not meet all university and program admission requirements, and if the academic program's review of the student's record indicates the likelihood of success, the student may be granted conditional admission by the Executive Director of Graduate Studies upon the recommendation of the program.

The conditions of admission will be specified in the admission notification. All conditions of admission must be fulfilled upon the completion of twelve hours of coursework. Programs are responsible for monitoring the progress of students admitted conditionally and will notify Graduate Studies when conditions have been met. Students who do not meet conditions of admission upon earning twelve hours will be dismissed.

(Approved by Graduate Council 11/10/16)

### Alternate Admission

Applicants who do not meet admission requirements may request alternate admission whereby background and experience are considered by the academic program and Graduate Studies. Academic departments may have more specific guidelines on alternate admission requirements.

(Approved by Graduate Council 11/13/14)

## Application Process

1. Complete the online graduate application (<http://www.wku.edu/apply/>).
2. Submit transcripts reflecting all undergraduate and/or post-baccalaureate study. An *official* course-by-course transcript in English from educational institutions where any degree(s) were earned (both domestic or international) is required. Official transcripts will not be accepted from the student and must be sent directly from the issuing institution. *Unofficial* transcripts from institutions where credit (*but no degree*) was earned are acceptable and may be supplied by the student. WKU transcripts are on file and no submission is necessary.
3. Submit required admission documents as defined by the individual academic program.

*Additional criteria required for International Student admission:*

4. Submit an official degree certificate from each college or university from which a degree was received with English translation.
5. Non-native English speakers must submit evidence of English proficiency by one of the following:
  - a. official Test of English as a Foreign Language (TOEFL) minimum score of 79 (internet-based) or 550 (paper-based) taken within the past two years; or
  - b. official International English Language Testing System (IELTS) minimum score of 6.5 taken within the past two years; or
  - c. successful completion of the English Language Services Program at Level 112
  - d. successful completion of English as a Second Language International (ESLI)
  - e. evidence of English proficiency is *not* required for graduates of an accredited United States undergraduate or graduate institution or other institutions approved by the Executive Director of Graduate Studies.



*NOTE: Graduate admission is independent of the immigration process. For further information regarding immigration please contact the International Student Office (<https://www.wku.edu/international/>).*

## **Application Fee Waiver**

Occasionally WKU academic programs will provide application fee waiver codes to applicants. These codes will serve as payment for the application fee at the conclusion of the online application process and can only be used once. Applicants should select "Use a Fee Waiver Code" when asked for payment and type the code into the space provided. Fee Waiver Codes are case sensitive.

Graduate Studies provides application fee waiver codes to the United States military personnel: Active Duty, Veterans, Spouses, and Dependents. Please contact Graduate Studies ([graduate.school@wku.edu](mailto:graduate.school@wku.edu)) to request a fee waiver code.

## **Admission Policies**

### **Change of Program**

Students who wish to change programs must complete a new graduate application (including any additional admission requirements). The advisor assigned at the time of admission to the new program will evaluate any prior coursework for applicability to the new program.

### **Concurrent Enrollment**

Students who wish to enroll in two or more programs concurrently must apply for admission to each program individually. Doctoral students may not pursue more than one degree program at a time.

### **Readmission**

A graduate application is active for one year. Students who do not enroll for three consecutive terms at any time after the initial admission term will be required to reapply.

### **Visiting Students**

Students who wish to enroll at WKU as a visiting student must be enrolled in a degree program at another institution. They must complete the admission process at WKU. Applicants must submit an official final copy of their undergraduate transcript or a letter from the university registrar of the degree-granting institution verifying good standing status to Graduate Studies at WKU prior to enrollment.

### **Graduate Admission Appeal Procedure**

An applicant whose admission has been denied may request reconsideration through an appeal process. Such admission appeals shall only be considered for applicants who have met minimum university and/or program admission requirements for Full Admission. An appeal must be made within thirty (30) days in writing of the denial and submitted to the Executive Director of Graduate Studies by citing reasons and providing appropriate justification.

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# Enrollment

## Graduate Records

www.wku.edu/graduate (graduate.records@wku.edu)  
graduate.records@wku.edu  
Wetherby Administration Building 207  
(270) 745-2446

Graduate Records provides student services including: matriculation document processing; academic standing audits; thesis and dissertation review and publication; administration of Joint Undergraduate Master's Programs (JUMP); graduate catalog publication; and final degree audits. Graduate Records works closely with individual academic advisors, program coordinators, the University Registrar, Graduate Council, and other university personnel to advocate for and support graduate students.

### Minimum Credit Master's Degree

The minimum semester credit requirement for master's degrees is thirty (30) credits. Individual programs may require more credits. Only those courses listed in Degree Works are applicable toward meeting graduate degree credit requirements. Six (6) to fifteen (15) thesis credits may be applied to meet the 30 credit minimum required for the degree. However, additional thesis hours may be taken to complete the thesis and will appear on the student's transcript.

### Specialist in Education Degree

The minimum semester credit requirement for the Specialist in Education degree is thirty (30) credits beyond the master's degree or sixty (60) credits for programs that do not require a master's degree for admission. Individual programs may require more credits. Only those courses listed in Degree Works are applicable toward meeting the Specialist in Education degree credit requirement. Six (6) to fifteen (15) thesis credits may be applied to meet the 30 credit minimum required for the degree. However, additional thesis hours may be taken to complete the thesis and will appear on the student's transcript.

### Doctoral Degree

The minimum semester credit requirement for the doctoral degree is sixty (60) credits post-baccalaureate or thirty (30) credits post-master's in a related field. Individual programs may require more credits. Only those courses listed in Degree Works are applicable toward meeting graduate degree credit requirements. Twelve (12) to thirty (30) dissertation credits may be applied to the 60 credit minimum required for the post-baccalaureate to doctoral degree. Six (6) to fifteen (15) dissertation credits may be applied to the 30 credit minimum required for the post-masters to doctoral degree. Additional dissertation hours may be taken to complete the dissertation and will appear on the student's transcript.

(Approved by Graduate Council 8/15/13)

### Certificate Policy Certificate Definition

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

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

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

Creation of new certificate programs requires internal approval, as well as approval from the Council for Postsecondary Education. In addition, SACSCOC approval may be required. However, proposals for new certificates only go through the pre-approval process at CPE, unless they are considered substantive change through SACSCOC. Consultation with the WKU Provost's Office is necessary to determine if a new certificate program reflects a substantive change and must undergo SACSCOC review. Internal approvals are the same as those for new degree programs.

### Admission Criteria

- Graduate Studies admission criteria shall apply to all graduate certificate programs. Individual programs may enact additional requirements.
- Graduate Studies policy shall apply to all certificate programs.

### Requirements

A graduate certificate program must meet the following criteria:

- Consist of a minimum of 12 and a maximum of 18 graduate credit hours.

(Approved by Graduate Council 10/8/2020)

### Academic Standing

Graduate students must maintain a 3.0 grade point average (GPA) for all courses taken at WKU and those graduate courses transferred to WKU to fulfill graduate program requirements. Students must maintain a minimum grade point average of 3.0 in the academic program and a cumulative (overall) GPA to earn a degree or certificate. If a student's overall GPA falls below 3.0, the student will be placed on academic probation. Students placed on academic probation are not eligible for graduate assistantship appointments.

The student will have one additional full-time semester or the equivalent (9 semester hours) to remove the academic probation by raising their cumulative GPA to a 3.0 or higher. If the GPA remains below a 3.0 after completing 9 hours of coursework on probation, the student will be academically dismissed from Graduate Studies. Individual academic programs may also apply more restrictive criteria regarding probation and dismissal. Students may be dismissed by the program for failing to make satisfactory progress toward a degree or certificate. Students will be dismissed from the program for having failed twice the comprehensive examination for the graduate degree. Dismissal from an academic program will result in dismissal from Graduate Studies.

An academically dismissed student who wishes to be readmitted to his/her program must submit an Appeal of Graduate Policy, and, in consultation with their advisor, an Academic Plan detailing how the required 3.0 GPA will be obtained. The Appeal of Graduate Policy must

be submitted to Graduate Studies the semester following dismissal and provide evidence of the support of the graduate faculty in the academic program. Each case will be reviewed by the Executive Director of Graduate Studies for consideration of readmission. An academically dismissed student who wishes to be readmitted to Graduate Studies as a non-degree seeking student or apply to another program must complete a new admission application and an Academic Plan. Readmitted students will remain on probation and must successfully complete the requirements of his/her Academic Plan to attain a 3.0 cumulative GPA in the specified time frame. Readmitted students who do not attain the requisite 3.0 GPA will be dismissed with no possibility of readmission until a period of three years has elapsed.

Students may also be dismissed from programs for reasons other than failure to maintain a satisfactory grade point average. Expectations regarding student conduct are described in the Western Kentucky University Student Handbook and apply to students in all programs. Additional program-specific policies regarding student conduct and dismissal from a program for non-academic reasons may also apply. Students should contact their advisors for more information regarding expectations for appropriate student conduct.

(Approved by Graduate Council 5/9/13)

## Undergraduate Enrollment

### Joint Undergraduate-Master's Degree Programs (JUMP)

JUMP ([http://catalog.wku.edu/graduate/programsoffered//#filter=filter\\_47](http://catalog.wku.edu/graduate/programsoffered//#filter=filter_47)) provides academically outstanding students the opportunity to complete both an undergraduate and graduate degree in an accelerated time period. Qualified students will apply directly to an individual Joint Undergraduate Master's Program, which will make a recommendation to Graduate Studies for acceptance to JUMP. JUMP students may complete a maximum of twelve (12) graduate hours as undergraduate students. For undergraduate candidates pursuing a first baccalaureate degree in combination with a Master's degree, nine (9) graduate hours may be counted on both the undergraduate and graduate transcript as prescribed by the approved program curriculum.

JUMP students in graduate programs requiring thirty-three (33) or more hours may complete a maximum of fifteen (15) hours as undergraduate students. For undergraduate candidates pursuing a first baccalaureate degree in combination with a Master's degree in a graduate program requiring thirty-three (33) or more hours, twelve (12) graduate hours may be counted on both the undergraduate and graduate transcript.

JUMP students should apply for admission to Graduate Studies for the corresponding Master's Program upon or before earning the maximum allowed graduate hours or upon earning the Bachelor's degree, whichever occurs first. Students who reach the maximum number of graduate hours may continue their Bachelor's degree by taking only undergraduate courses and delaying admission to Graduate Studies.

Program admission criteria for the Master's degree may be waived for JUMP students at the discretion of individual program Directors and/or Committees.

All new JUMP programs require approval through the established university curriculum approval process.

Each Joint Undergraduate-Master's Degree Program may have more stringent and/or additional eligibility for acceptance and continuance requirements, including for matriculation into the Master's program. These criteria will be published in the undergraduate and/or graduate

catalog. However, minimum requirements for admission and continuance in JUMP include:

For JUMP acceptance eligibility:

- A minimum of 60 credit hours earned and 15 or more credit hours remaining to complete the undergraduate degree
- A minimum of 24 undergraduate hours earned at WKU
- A minimum cumulative undergraduate GPA of 3.25 for individuals earning their first baccalaureate degree
- A minimum cumulative undergraduate GPA of 3.00 for individuals earning their second baccalaureate degree

For Continuance:

- Continuous enrollment (excluding winter and summer terms and extenuating circumstances, including, but not limited to, military service, parental leave, and medical leave)
- Undergraduate JUMP students must maintain a cumulative GPA of 3.0 or higher in graduate courses
- Once admitted to Graduate Studies, JUMP students must adhere to the Graduate Academic Standing policy

Failure to meet continuance requirements will result in dismissal from JUMP. Upon dismissal, graduate coursework may not be double-counted. Graduate coursework will be recorded according to the undergraduate catalog.

Graduate credits earned through JUMP may only be applied toward one undergraduate and one graduate degree. These credits may not be applied to any additional WKU programs.

Once admitted to Graduate Studies, students are classified as graduate students and no longer qualify for undergraduate classification for any purpose, including financial aid. Likewise, students who have been admitted to Graduate Studies and have completed their Bachelor's degree requirements are eligible for all graduate student privileges, including graduate assistantships and graduate student research grants.

Once accepted into a particular JUMP program, students may not switch programs. JUMP students at both the undergraduate or graduate level may appeal aspects of this policy to Graduate Studies. (Approved by Graduate Council 4/13/23)

### Undergraduate Student Enrollment in Graduate Courses

Undergraduate students having earned at least 75 undergraduate hours pursuing their first baccalaureate degree at Western Kentucky University and who have a minimum cumulative undergraduate GPA of 3.0 may enroll in up to 9 hours of graduate credits with approval of the undergraduate advisor, instructor of record, and graduate program coordinator or equivalent.

Undergraduate students enrolled in graduate courses are restricted to a maximum enrollment of 18 hours per term. Graduate credit earned as an undergraduate student may be applied at either the undergraduate or graduate level, but not both.

This policy does not apply to students enrolled in a Joint Undergraduate-Masters Program (JUMP). (Approved by Graduate Council 09/14/2023)

## Curriculum Requirements (formerly Program of Study)

WKU uses Degree Works (<https://degreeworks.wku.edu/Dashboard/>) to matriculate and audit students for degree and certificate completion.

Graduate students follow the official program curriculum outlined in the Graduate Catalog published for the academic year corresponding to their most recent admission term for the specific program. Students may opt to follow a more recent catalog year. *Graduate students admitted prior to fall 2019 will continue to matriculate following their approved (paper) program of study.*

Curriculum exceptions approved by the advisor, department chair or graduate program coordinator, and college dean will be considered by the Executive Director of Graduate Studies.

## Academic Advising

Upon admission to a graduate program, each student is assigned a program advisor from the Graduate Faculty in the respective department. Students pursuing a thesis, specialist project, or dissertation will select a Graduate Faculty member to chair his or her research project at which time the student's primary advisor will be updated to reflect the committee chair. Although student advising at Western Kentucky University is specifically designed to assist students as they progress through degree programs, it is the responsibility of all students to know all policies and procedures pertaining to graduate study. Students may request an advisor change ([http://www.wku.edu/graduate/students/advisor\\_change\\_request.php](http://www.wku.edu/graduate/students/advisor_change_request.php)).

## Admission to Candidacy

Admission to Candidacy is required for *Doctor of Education and Doctor of Psychology* students which includes passing a qualifying exam or equivalent assessment. Admission to Candidacy is administered by the respective programs and successful completion is reported to Graduate Studies.

## Duplication of Coursework

A maximum of 12 hours of graduate course work may be duplicated on one additional graduate degree or certificate at the same level. Duplicated coursework must be directly related to the graduate degree or certificate being earned. (Approved by Graduate Council 10/17/19)

## Repeating Courses

A graduate student is permitted to repeat any course in which a "C" or below was earned. An individual course may only be repeated one time. Courses that are repeatable for credit on different topics may be repeated one time per topic for equivalent credit. Only the second grade will be counted in computing the grade point average. The course and grade received for each attempt will continue to appear on the student's transcript.

(Approved by Graduate Council 3/20/14)

## Research Requirement

All graduate programs must ensure student engagement in research and/or appropriate professional practice and training experience. This requirement is defined by the individual academic programs and may include such experiences as completion of a research tool course, successful completion of a foreign language examination, publication of a thesis, professional practice experience, etc.

(Approved by Graduate Council 11/13/14)

## Time Limitation for Degree Completion

All requirements for master's and specialist degrees and graduate certificates must be completed within **six years** of initial enrollment in the program. All requirements for doctoral degrees must be completed within **ten years** of initial enrollment in the doctoral program.

Courses applied toward a master's or specialist degree or graduate certificate program must be completed within six years of degree completion. Courses applied toward a doctorate degree must be completed within ten years of degree completion.

## Transfer Credit

WKU accepts transfer credit(s) earned at regionally accredited institutions of higher education. Students transferring credit from an international institution must submit an official transcript evaluation of credit from an international credential evaluation service recognized by the National Association of Credential Evaluation Services (NACES) before equivalencies are determined. All transfer coursework must be documented on an official transcript with a grade of "B" or better. Transfer credits must be applied toward a graduate program awarded by WKU, are subject to approval by the appropriate academic department, and must comply with all other university policies.

Plus and minus grades are recorded as the letter grade only. In cooperative or joint programs with other universities, credits earned in the program at these institutions are not considered transfer credits. At least one-half of credits applied toward degree or certificate requirements must be earned at Western Kentucky University.

(Approved by Graduate Council 3/17/16; 5/9/19)

## Experiential Learning Credit

WKU offers multiple pathways for graduate students to earn course specific credit for prior learning (not work experience) provided that the experience is aligned with course and program learning outcomes.

**Eligibility:** To earn graduate credit for prior learning, a student must be enrolled and registered at Western Kentucky University.

**Application of Credit:** Credit for prior learning shall be applied to degree or program requirements in the same manner as credits earned through the completion of the equivalent courses at WKU. Credit (CR grade) will be applied for WKU course equivalents when students demonstrate mastery of course objectives. Credit will be counted only once for the same course. Not all departments accept credit for prior learning; therefore, students must work closely with their advisor to determine eligibility.

Subject to departmental or university policy a maximum of 12 total hours in the credential may be earned via credit for prior learning (CPL), with the total number of (CPL) credit hours earned and credit hours transferred from another institution not to exceed 50% of the total hours in the credential.

**Residency:** Credits for demonstrated knowledge earned through any prior learning method do not fulfill WKU residency requirements.

**Grading:** Credit awarded by prior learning assessment at WKU shall receive a CR grade, Letter grades will not be used. The transcript will not indicate an unsuccessful attempt to earn credit for prior learning.

**Transcription:** Credit awarded for prior learning will be transcribed indicating the method of prior learning assessment used.

**Fees:** The Office of the Registrar will collect fees for the credit for prior learning.

## Departmental Credit By Examination or Demonstration

At the discretion of the academic school or department, graduate students enrolled at WKU may receive credit on the basis of departmental graduate-level examinations or demonstrations.

To assess student proficiency, a school or department should develop an appropriate comprehensive proficiency examination or demonstration within the department by means of a graduate faculty committee to ensure graduate rigor. The department must maintain a record of all examinations or demonstrations available to students.

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

After consulting with the academic department, the student desiring to take a graduate departmental comprehensive proficiency assessment must complete an appropriate request form in the Office of the Registrar. A fee of \$50 per credit hour must be paid at the time the form is submitted. This fee covers the cost of exam administration and grading. The form must be submitted to the Registrar prior to the end of the third week of classes in either the fall or spring semesters. The Registrar will notify the appropriate department of the student's request. The department will administer the comprehensive proficiency assessment during the seventh week of classes. The student must obtain the specific time and place for testing from the department chair.

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

## Military Service Credit

WKU strives to be a military friendly institution that will provide military personnel the ability to attend WKU and receive graduate credit for formal courses and primary occupations offered while in the military. WKU awards graduate credit based on the American Council on Education (ACE) Guide recommendation, and the credit will count as non-residence credit. Undergraduate credit nor credit used toward an undergraduate credential will not apply toward a graduate degree. Active duty soldiers or military veterans are required to submit official military transcripts prior to admission. Any soldier who is retired or discharged from the military will be required to submit their official military transcripts and a copy of the DD form 214 (Certificate of Release or Discharge from Active Duty of Service) member copy 4. The DD 214 must have characterization of service listed on the form. The DD 214 Form may be requested at <http://www.archives.gov/veterans/military-service-records/>. Official military transcripts may be requested at <https://jst.doded.mil/>. (<https://jst.doded.mil/>)

## Portfolio Evaluation

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 agreements and partnerships, departmental proficiency assessments, or portfolio development and evaluation. This policy focuses on portfolio development and evaluation while referencing national and departmental assessments when appropriate.

Portfolio evaluation is considered an opportunity for students to demonstrate knowledge and is not a guarantee of credit for experience. Students will complete a graduate-level portfolio of their prior learning as a part of a portfolio development course, taught by a graduate faculty who has undergone training by the Council for Adult and Experiential Learning (CAEL). Please note: the three credits earned in the portfolio course will count toward residence, while the prior learning credit awarded will be non-residence credit. The portfolio, with varying forms of documents, will tie graduate course learning outcomes to the knowledge and skills students have acquired through experiential learning at the graduate level. Graduate 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 must consult with their advisor to discuss the feasibility of seeking graduate credit in a particular area. Portfolio courses are available based on student need. Currently, IDST 550 is the only approved portfolio course available for students to enroll for credit evaluation. The student and/or advisor should contact the School of Leadership & Professional Studies to request enrollment in the course prior to the start of the semester or term. In addition to tuition for the course, students must pay a course fee to cover the cost of the portfolio review.

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

For additional information, visit [www.wku.edu/pla](http://www.wku.edu/pla) (<http://www.wku.edu/pla/>).

## Alternative Forms of Credits for Prior Learning

WKU's colleges and academic departments may agree to award graduate credit based on verified trainings, ACE credit, or certification evaluated by program faculty. Credit based on trainings, certifications, etc. must meet graduate-level rigor and be approved through the curricular process. (Approved by Graduate Council 2/8/24)

## Registration

Dr. Jennifer Hammonds, University Registrar  
[www.wku.edu/registrar](http://www.wku.edu/registrar) (<http://www.wku.edu/registrar/>)  
 registrar@wku.edu  
 Potter Hall 216  
 (270) 745-3351

The Office of the Registrar is the permanent repository for the official academic record of each student and provides a variety of academic services including: registration and grading; official transcripts; biographical information changes; withdrawals; degree certification; enrollment verification; undergraduate catalog publication; application for graduation; and commencement planning. Online access to academic records is secured through the use of a WKUid 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.

Registration services are available through TopNet, WKU's online student information system. Through TopNet, all students use a personal identification number to register, drop/add courses, access class schedules, and view course grades. Registration policies and procedures are published in the Registration Guide (<https://www.wku.edu/registrar/>) each term.

## 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 ([https://www.wku.edu/registrar/transcript\\_request.php](https://www.wku.edu/registrar/transcript_request.php)) is online through the Office of the Registrar.

## Division of the School Year

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

## Unit of University Credit

The unit of credit is a semester hour.

## Course Load

The course load for a full-time graduate student is 9-15 hours with 9 being the minimum and 15 the maximum. Graduate Assistants may deviate from the defined course load as described in the Financial Assistance (p. 26) section of this catalog.

As per United States federal requirements pertaining to students with F1 or J1 visa status, international students are restricted to no more than the equivalent of one on-line/distance education class or 3 credits per semester may count towards the full-time course of study requirement, if an online or distance education course does not require the student's physical attendance for classes, examination or other purposes integral to completion of the class. If the student's course of study is in a language study program, no on-line or distance education classes may be counted toward the full course of study requirement.

## Course Numbering

700 and above	Doctoral courses
400G-499G, 500-699	Graduate courses
000-499	Undergraduate courses

## Grading and the Quality Point System

Graduate students must maintain a 3.0 cumulative GPA in all courses taken as a graduate student (including all transfer courses and undergraduate level courses). Students who fail to meet the 3.0 GPA requirements for the graduate program GPA and overall cumulative GPA will not be awarded a degree or certificate. Grades lower than a "C" may not be used in meeting degree or non-degree requirements.

The letters A, B, C, D, F, FN, P and X are used by the University to indicate the student's academic proficiency. These letters have the following significance:

A	Excellent, valued at four quality points per semester hour.
B	Good, valued at three quality points per semester hour.
C	Average, valued at two quality points per semester hour.
D	Below average, unsatisfactory, valued at one quality point per semester hour. (A "D" gives credit toward a degree. The student's overall grade point average, however, must be a 2.0 or better to meet the requirements for graduation.)
F	Failure, valued at no semester hours earned and no quality points.
FN	Failure due to nonattendance, or ceasing to attend, up to and including the 60% point of a term, valued at no semester hours earned and no quality points. Nonattendance shall be defined as failure to perform meaningful academically-related activity including, but not limited to, the following: submitting an academic assignment, taking an exam, participating in an online discussion about academic matters.
P	Pass, credit is awarded toward a degree, but no quality points are assigned. The "P" designation is restricted to specific courses approved for its use.

X	Incomplete, A grade of "X" is given only when a relatively small amount of work is not completed because of illness or other reason satisfactory to the instructor. A grade of "X" will automatically become an "F" unless removed within the first twelve (12) weeks of the next full term (summer term excluded.) An incomplete must be removed within this twelve-week period regardless of whether the student is registered for additional work in the next term. A student should work with the instructor who assigned the incomplete on an independent basis in order to complete the necessary assignments. A grade of incomplete is not used under any circumstances as a substitute for "F" or "W."
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The designations AU, W, NR, ER and NG are not included in the determination of grade point average and are used in the following cases:

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

(IP Grading Policy Approved by Graduate Council 11/10/16)

## Equivalent Courses

Equivalent courses have different subject area prefixes but the same curriculum, learning outcomes, course number, title, abbreviated title,

credit hours, prerequisites and/or corequisites, grade type (e.g., A – F, Pass / Fail) and catalog course listings.

## Prerequisite(s)

A prerequisite represents prior specific or general academic knowledge, background, or student classification required in order to enroll in a specific course.

## Corequisite(s)

A corequisite is a requirement which must be fulfilled concurrently with another course, unless successfully completed as a prerequisite.

## Recording and Changing Grades

Grades are recorded by the faculty at the end of each term. No grade may be changed except on a written statement from the instructor certifying that an error has been made, or in the case of an incomplete, that the work was completed within the time limit. All conditions must be removed before the student will be recommended for any certificate or degree.

## 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. 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 semester, a student may withdraw from a course with a grade of "W" or "F" under the following conditions. It is recommended that faculty members inform students of this "W" period deadline.

- A student is permitted to withdraw from any course with a grade of "W" through the 70% point of the semester;
- After the 70% point of the semester, any student dropping a course receives an automatic "F". However, when there are extenuating circumstances, and at the discretion of the faculty member and the department chair, the student may be permitted to withdraw with a "W" instead of an "F".

During a bi-term a student may drop a course with a grade of "W" or "F" under the following conditions:

- A student is permitted to withdraw from any course with a grade of "W" through the 70% point of the bi-term;
- After the 70% point of the bi-term, any student dropping a course receives an automatic "F". However, when there are extenuating circumstances, and at the discretion of the faculty member and the department chair, the student may be permitted to withdraw with a W instead of an F.

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

## Auditing of Courses

An auditor is a student who 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 of 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.

## Degree Conferral

Degrees are conferred by the University Registrar in May, August, and December. Students with outstanding obligations to the University will not receive a diploma or official transcript until the University Registrar has been notified by the appropriate office that the obligation has been met.

## 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 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 [www.wku.edu/registrar/withdrawal.php](http://www.wku.edu/registrar/withdrawal.php) (<http://www.wku.edu/registrar/withdrawal.php>).

### Administrative Withdrawal

A request for an administrative withdrawal is initiated by the University because of a disciplinary situation or when, in the professional judgment of a health care provider, psychologist and/or university administrator, there is reason to believe a student is a substantial threat to him/herself or interferes with the welfare of other members of the University, the education process, or the orderly operation of the University. The Vice President for Enrollment and Student Experience or the Associate Vice President for Academic Affairs, or their respective designees, will notify the student of the involuntary withdrawal, and the University Registrar will be directed to withdraw the student from all classes in which the student is currently enrolled and cancel registration that has occurred for any future terms. The Office of the Registrar will notify the student's instructors of the withdrawal, and "W" grades will be recorded for the term in progress. A student who is administratively withdrawn will have a registration hold placed by the Vice President for Enrollment and Student Experience or the Associate Vice President for Academic Affairs to prevent the student from being readmitted or re-enrolled unless cleared by the appropriate administrator or the respective designee. A

student may file a written appeal of an involuntary withdrawal through the office that administered the withdrawal. Tuition refund appeals for administrative withdrawals are handled in a separate procedure, and instructions may be obtained from Student Billing and Account Services.

### 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 70% 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 Student Billing and Account Services.

### 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:

1. Students may work with each individual instructor to determine if an incomplete grade is appropriate, or
2. If an incomplete grade is not a viable option, the student will be permitted to withdraw either from individual courses or from the entire schedule of classes. A full refund of tuition and fees will be issued for those courses from which the student has withdrawn.

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

### Retroactive Withdrawal

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

An appellate board will review the request for a retroactive withdrawal. The board will consider the following factors, including, but not limited to:

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



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

## Thesis, Specialist Project, or Dissertation

Students pursuing a thesis option in a master's or specialist degree program must complete at least 6 hours of credit in 599-Thesis Research Writing or 699-Specialist Project, respectively. Students pursuing a doctoral degree requiring a dissertation must earn a minimum of 9 hours of credit in 799-Dissertation Research. All thesis, specialist project, and dissertation hours will use a pass/fail grading system. Thesis & Dissertation Guidelines (<http://www.wku.edu/graduate/students/thesis/>) are published by Graduate Studies.

All thesis, specialist project, and dissertation hours will be graded pass/fail. During the time that the thesis, specialist project, or dissertation is in progress but not yet completed, the director should submit a grade of IP (In Progress). Upon successful completion of all requirements the director should request that the grades of IP be changed to grades of P (Pass). If the thesis project is deemed to be of unacceptable quality by the thesis director, then the grades of IP should be changed to grades of F (Fail).

(Approved by Graduate Council 11/8/12)

## Research Committee

Students pursuing graduate programs requiring a thesis, specialist project or dissertation are mentored by a research committee of three to four members including a chair. A member of WKU's graduate faculty must serve as the chair. An individual who is not a member of WKU's graduate faculty may serve on a committee. Students may assist in the formation of the committee, but final approval of the composition of the thesis, specialist project, or dissertation committee lies with the Executive Director of Graduate Studies.

## Maintaining Matriculation

If the thesis, specialist, or dissertation project is not completed during the initial period of registration for this credit, the student must maintain matriculation by enrolling in a minimum of (1) credit hour of a 600 (thesis), 700 (project), or 800 (dissertation) course until the thesis or project is submitted and approved by Graduate Studies. Further, students must be enrolled in a minimum of one (1) credit hour of maintaining matriculation during the term in which the defense is held. Enrollment in matriculation courses does not result in a grade or credit toward any degree or non-degree program.

## Defense

A defense covering the thesis, specialist project, or dissertation must be completed if required by the degree program. The defense usually consists of a public presentation and an oral examination of the candidate's research and academic preparation. The defense is arranged by the committee chair and the student, and is given before the final draft is completed. Each member of the committee should be given a minimum of two (2) weeks notification before the defense to read and review the research. Following the approval of defense by the student's committee, the thesis, specialist project, or dissertation is submitted to Graduate

Studies for final approval and publication. Submission Deadlines (<https://www.wku.edu/graduate/students/thesis/>) are posted annually.

## Outcome

Students will pass the defense if no more than one member casts a dissenting vote. If a student does not pass this culminating assessment, the committee may grant a student permission to attempt a second defense which will be administered under conditions stipulated by the committee. A student who has failed the defense may be re-examined once more by the committee. Failure to pass the second defense may result in dismissal from the program. Students who are dismissed from the program due to a failed defense are ineligible to reapply for the same graduate degree program at any time in the future.

## Comprehensive Examination/Capstone

All graduate degree programs require satisfactory completion of either a written or oral examination or an approved capstone course. The comprehensive exam and thesis/specialist project/dissertation defense may be combined in those degree programs that require a defense. Examinations for professional licensure or certification cannot be used for, or in place of, the comprehensive examination/capstone. Students must meet the following guidelines before they are permitted to attempt the comprehensive examination:

- Complete at least one half of the course work hours in an approved program;
- Have no more than 9 hours remaining in the approved program;
- Complete additional requirements as specified in writing by faculty in the program department.

For thesis/specialist project/dissertation students, the oral examination committee will be the approved research committee. For non-thesis students, the major advisor, in consultation with the student, appoints the oral examination committee consisting of at least two graduate faculty members. If the student's program includes a concentration, or a significant amount of course work in an area outside the major program, one of the committee members must represent that area. It is the student's responsibility to ensure that all committee members are available when scheduling an examination.

The comprehensive exam is graded pass/fail determined by a majority committee vote. The research committee chair is responsible for submitting the results of the comprehensive examination/capstone to Graduate Studies. For non-thesis students, the primary advisor is responsible for submission.

## Minimum Registration

A student must be registered for a minimum of one (1) credit during the term in which the comprehensive exam/capstone is completed.

## Outcome

A student who has failed the comprehensive examination may be re-examined once more by the committee. Failure to pass the second comprehensive examination may result in dismissal from the program. Students who are dismissed from the program due to a failed comprehensive examination are ineligible to reapply for the same graduate degree program at any time in the future.

## Degree and Certificate Completion Checklist

All degree and certificate requirements must be completed by the student by the last day of the term. Graduate Studies begins auditing degrees and certificates for completion the week following the final day of the term.

The degree audit confirms that the student has:

1. completed all coursework (earning a "C" or higher/no incomplete grades) in their program within the time limit;
2. earned a minimum cumulative and program GPA of 3.0;
3. published a thesis, specialist project, or dissertation approved by Graduate Studies (if required);
4. completed a comprehensive exam/capstone (degrees only); and,
5. applied for graduation.

Degree audits are completed within four to six weeks after the term concludes. Upon recommendation of the audit, the University Registrar confers the degree and/or certificate in May, August, or December. Students may check their transcript for completion on TopNet ([https://acsapps.wku.edu/pls/prod/twbkwbis.P\\_WKULogin/?ret\\_code=5](https://acsapps.wku.edu/pls/prod/twbkwbis.P_WKULogin/?ret_code=5)) (Student Services/Student Records/Unofficial Academic Transcript). Degrees and certificates will be mailed within 3-6 weeks after the conclusion of the term. Graduate Studies does not confirm degree or certificate completion prior to award; however, enrollment verification ([http://www.wku.edu/registrar/enrollment\\_verification.php](http://www.wku.edu/registrar/enrollment_verification.php)) may be requested.

# Financial Information

## Tuition & Fees

<https://www.wku.edu/billing/>

[billing@wku.edu](mailto:billing@wku.edu)

Potter Hall 208

(270) 745-6381 Phone | (270) 745-6584 Fax

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

	Per Semester <sup>1</sup>	Cost Per Credit Hour <sup>1</sup>
Resident		\$607
Non-Resident (Domestic)		\$917
Non-Resident (International)		\$953
Military Veteran/Dependent Resident		\$607
Active Military (Excluding Doctoral Programs)		\$250
P-12 Educator		\$350
Local Government Employee Discount Program		\$500
Distance Learning (Excluding Ky Educator, Local Government Employee Discount Program, DNP & DPT)		\$707
WKU On Demand		\$707
Doctor of Educational Leadership, Resident		\$607
Doctor of Educational Leadership, Military Veteran/Dependent Resident		\$607
Doctor of Educational Leadership, Non-Resident (Domestic)		\$917
Doctor of Educational Leadership, Non-Resident (International)		\$953
Doctor of Nursing Practice, Resident		\$663
Doctor of Nursing Practice, Non-Resident		\$858
Doctor of Physical Therapy, Resident		\$643
Doctor of Physical Therapy, Non-Resident		\$909
Doctor of Psychology, Resident		\$620

Doctor of Psychology, Military Veteran/Dependent Resident	\$620
Doctor of Psychology, Non-Resident (Domestic)	\$917
Doctor of Psychology, Non-Resident (International)	\$953

<sup>1</sup> Graduate tuition and fees are assessed per credit hour based upon the course (i.e. on-campus or distance learning). There is no full-time graduate 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 graduate students on a per hour basis. These fees do not apply to the Distance Learning rates or P-12 Educator.

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.

## Residency

The determination of residency for admission and tuition assessment is governed by state regulation 13 KAR 2:045 (<http://cpe.ky.gov/legislation/residency.html>). As required by this regulation, WKU also has an approved Residency Policy (<http://www.wku.edu/policies/docs/254.pdf>).

Graduate students who are residents of Macon, Robertson, and Sumner counties in Tennessee are eligible to pay in-state tuition by virtue of a reciprocity agreement. Additionally, Kentucky, along with 14 other southern states, participates in the Academic Common Market (<http://home.sreb.org/acm/choosestate.aspx>) – an interstate agreement for sharing non-duplicate academic programs. A resident of an Academic Common Market state who has gained admission into a qualifying program can enroll and pay Kentucky resident tuition upon certification by their state's Academic Common Market coordinator.

## Program Fees and Expenses

It is the responsibility of the student to consult with the appropriate department/school about potential expenses required for program completion. Examples of expenses for various programs include, but are not limited to criminal background checks and drug testing, liability insurance, certifications, training seminars, transportation, specialized equipment rental, licensure exam fees, and so forth.

## Doctoral Program Fees

In addition to the program tuition rates, students must pay the following doctoral fees:

- Doctor of Nursing Practice (MSN-DNP Concentration), \$221 per credit hour
- Doctor of Physical Therapy, \$300 per semester
- Doctor of Psychology, \$207 per credit hour

### Course Fees

Occasionally an additional fee is charged for a specific course. Refer to the Course Fees Chart (<https://www.wku.edu/bursar/coa.php>).

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

### Late Registration Fee

Students who delay their registration until the first day of class or thereafter will be assessed an additional \$50 late registration fee.

### Application for Graduation Fee

Candidates for graduate degrees and certificates must complete the Application for Graduation available through TopNet and pay the appropriate fee the semester prior to program completion. The fee covers the cost of cap and gown, diploma, and other necessary expenses. Applications not received by the Registrar's Office by the due date will result in the omission of the student's name from the commencement booklet. Degrees are conferred in December, May, and August. Commencement ceremonies are held in May and December. August graduates may participate in either the preceding May or following December commencement ceremony.

### Transcript Fee

A \$10.00 fee is charged for an official transcript. Official transcripts may be ordered through the Office of the Registrar (<http://www.wku.edu/registrar/>).

## Payment

Student Billing & Account Services (<https://www.wku.edu/billing/>)  
 billing@wku.edu  
 (270) 745-6381  
 Potter Hall, Room 208  
 Monday - Friday, 8:00 a.m. – 4:00 p.m. (Summer hours may vary)

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 Student Billing & Account Services. 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 a 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 email or call the Office of Student Billing & Account Services (<https://www.wku.edu/billing/>), (270) 745-6381. Additional information is located at [wku.edu/billing](http://wku.edu/billing) (<https://www.wku.edu/billing/>).

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.

#### Payment using cash, check or money order.

- Log in to TopNet ([https://topnet.wku.edu/pls/prod/twbkwbis.P\\_WKULogin/?ret\\_code=5](https://topnet.wku.edu/pls/prod/twbkwbis.P_WKULogin/?ret_code=5)) and select the student Services tab, select Pay Tuition and Fees, select Pay Now.
- In person, at the Student Billing & Account Services, 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: Office of Student Billing & Account Services, 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.

#### Payment using Credit Cards or Electronic Payments from Checking or Savings Account

- Log in to TopNet ([https://topnet.wku.edu/pls/prod/twbkwbis.P\\_WKULogin/?ret\\_code=5](https://topnet.wku.edu/pls/prod/twbkwbis.P_WKULogin/?ret_code=5)) and select the student Services tab, Pay Tuition and Fees, Pay Now.

- Pay online at [wku.edu/billing/](https://www.wku.edu/billing/) (<https://www.wku.edu/billing/>) and select 'Make a Payment Online'.
- Visa®, MasterCard®, Discover® and American Express® are accepted.
- If you choose to use a credit card, a fully disclosed processing fee of approximately 2.85% of the amount of payment will apply. (Fee covers administrative expenses and is not shared with WKU.)
- Free electronic debit from checking or savings is available.
- Because of high service and processing costs, the Office of Student Billing & Account Services 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 Office of Student Billing & Account Services.

### Payment Plans

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

For the **Fall 2024 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 2025 semester**, we will offer the following interest-free payment plans.

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

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

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

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

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

- If you are new to Nelnet, click on the "Create a username & password" button to create an online account.

### Depository (Drop Box)

Your payment may be placed in one of our two depository boxes. During regular business hours, you may place your payment in the depository box located next to the Student Billing & Account Services payment window on the second floor of Potter Hall. If you cannot make it during regular business hours, the other box is located outside of the second floor entrance of Potter Hall. The depositories are emptied daily. Always include the bottom portion of your e-bill invoice statement with your check or money order when using the depository. It is important that your student identification number is written on the check or money order. Please allow two to three business days for depository payments to post to your account. Please do not place cash in the depository.

### International Payments (Flywire)

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

With Flywire, international students receive the following benefits:

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

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

Flywire Customer Support Information (<https://www.flywire.com/help/>):

Phone: (617) 207-7076

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

[support@flywire.com](mailto:support@flywire.com)

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.

### Tuition and Fee Refund Policy

Tuition refunds or reductions in outstanding fee liabilities for students who officially withdraw through the Registrar's Office or TopNet, 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 posted Refund Policy ([http://www.wku.edu/billing/refund\\_policy.php](http://www.wku.edu/billing/refund_policy.php)) and schedules. The refund percentage is applied to the number of credit hours dropped, not the dollar amount of the tuition and fees assessed. The refund policy is subject to change based upon federal regulations or by Western Kentucky University without prior notice.

### Refund Choices via BankMobile

Western Kentucky University has partnered with BankMobile to deliver refunds and student payroll funds to students. All refunds are

disbursed through BankMobile (<https://bankmobiledisbursements.com/refundchoicessso/>).

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

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

## Graduate Assistantships

[www.wku.edu/graduate/aid](http://www.wku.edu/graduate/aid) (<http://www.wku.edu/graduate/aid/>)  
graduate.school@wku.edu  
Graduate Studies  
Wetherby Administration Building 207  
(270) 745-2446

Programs of graduate study are designed to transform students into knowledgeable practitioners and/or professional scholars. Graduate assistantship appointments do not constitute a contract of employment. Assistantships are awards given to our most outstanding students. The assistantship provides necessary support for graduate students to complete their degree program. Research, teaching, and related activities conducted by graduate assistants are a required and essential part of their degree program. Assistantships are designed to enhance the educational experience of graduate students and increase their competitiveness for doctoral programs and/or careers.

The graduate assistant is first and foremost a graduate student. As a student, the graduate assistant must be a student in good academic standing and be making significant progress toward completion of their graduate degree. The student as a graduate assistant is directed and mentored by a faculty member.

Graduate Assistantship appointments available are:

1. Graduate Assistant Instructor (GAI) – GAI Faculty are defined as graduate students of WKU who have completed 18 hours of graduate coursework in the discipline in which they will be assigned to teach and have completed the Graduate Assistant Teaching Institute (GATI) or similar college/department faculty training program as reviewed/ approved by the Director of the Center for Innovative Teaching and Learning and the Executive Director of Graduate Studies. GATI or similar training program coursework must be cataloged by the WKU Office of the Registrar and appear on the graduate student's official Western Kentucky University transcript. GAIs are contracted to develop and/or teach courses for academic credit (as determined by the hiring department) on an as needed basis in accordance with enrollment, academic programming needs and available resources. (See Academic Affairs Policy 1.1122 (<https://www.wku.edu/policies/docs/?policy=320>))
2. Graduate General Assistantship (GGA) – A Graduate General Assistant engages in scholarly activity in a capacity related to their degree program, but not defined as research or teaching.
3. Graduate Research Assistantship (GRA) – A Graduate Research Assistant conducts research/scholarly activities under the guidance and direction of a faculty member. The Graduate Research Assistant develops and applies conceptual and theoretical ideas, practices, or methods to their discipline-based scholarship.

4. Graduate Teaching Assistantship (GTA) – A Graduate Teaching Assistant provides direct support for the teaching mission of the unit. Graduate Teaching Assistants may serve as discussion leaders, graders, leaders of laboratory sections, and may assist in capacities such as preparation of assignments, and other administrative duties necessary for course instruction.

## Requirements for Appointment

Students wishing to apply for an assistantship should contact their academic department. The following general requirements must be met for consideration as a graduate assistant:

1. Graduate assistants must be enrolled in a graduate degree program. Non-degree graduate students and graduate students in a certification or certificate program only are not eligible for assistantships or tuition remission.
2. Graduate assistants are eligible for tuition remission.
3. Graduate assistants must have a minimum cumulative grade point average (GPA) of 3.00 at the time of admission.
4. Graduate assistants must carry a minimum of 6 credits during each semester they receive an assistantship unless they are in the final semester of their degree program. (Enrollment in 6 credit hours constitutes part-time status enrollment; full-time status requires 9-15 hours of enrollment.)
5. Graduate assistants must dedicate a minimum of 10 hours per week and a maximum of 20 hours per week during Fall and Spring semesters.
6. The combined load of teaching responsibilities and graduate course enrollment may not exceed 15 hours per semester. Teaching responsibilities may not exceed 6 hours.
7. During the summer term, graduate assistants must be enrolled in at least 1 hour of graduate credit during any summer session.
8. Graduate Assistant Instructors (GAI) must complete the Graduate Assistant Teaching Institute (GATI) offered through the Center for Innovative Teaching and Learning (CITL), or a similar departmentally-administered program approved by the CITL.
9. Graduate Assistant Instructors (GAI) must receive regular in-service training, which may be completed by participation in seminars offered by the Center for Innovative Teaching and Learning (CITL) or with departmentally-based mentoring to assist the student in the teaching process.
10. Students must complete a Graduate assistantship agreement form with approval from the faculty member directing the assistantship, the hiring department chair, and the academic department chair (if different than the hiring department) granting the assistantship.

To receive maximum consideration, and prevent delay of stipend payment and posting of tuition scholarship, the agreement form should be received in Graduate Studies by deadline dates posted on the Graduate Studies website.

## Continuation

Graduate assistants may be appointed for one academic year or for one semester with the possibility of renewal. Continuation of the assistantship is contingent upon the following:

1. Satisfactory progress toward the degree
2. Maintaining a 3.0 or better cumulative GPA
3. Completing graduate courses at the rate expected for a full-time student

4. Fulfillment of duties as determined in the assistantship appointment
5. An approved new agreement from the department.

The progress of the graduate assistant will be evaluated at the end of each semester to determine his/her eligibility to continue in the position for the term of appointment. Academic department chairs and college deans reserve the right to recommend termination of a graduate assistantship appointment if the student is not fulfilling the terms of appointment. The Executive Director of Graduate Studies will make the final decision on continuation and termination.

## Remuneration

Graduate assistantship stipends are funded from the instructional budget of the University or from grants/contracts. Stipends are considered taxable income. The half-time (20 hours per week) assistantship generates a full stipend and the quarter-time assistantship generates a half stipend. Checks are issued monthly with students normally receiving four checks each semester. Receipt of the initial check is dependent upon when the student signs necessary tax forms in the appropriate college dean's office. A graduate assistant identification card (ID) card will be issued which entitles the graduate assistant to a 10% discount on most purchases at the University Bookstore, excluding food items, books, and electronics.

## Tuition Remission

Graduate assistants are responsible for their in-state tuition for on campus courses and the Distance Learning Course tuition fees for any online course; however, the out-of-state and international portion of the tuition for non-resident and international students is paid by the University during the period of appointment. In many cases the resident portion of the graduate assistant's tuition is also paid.

## Rights & Responsibilities of Graduate Assistants

Graduate assistants are expected to observe the guiding principles of the University as described in the Faculty Handbook section on 'Academic Information', in the WKU Student Handbook, and by Graduate Studies. In addition, the following statements of rights and responsibilities apply to graduate assistants:

1. Graduate assistants are responsible for meeting academic requirements in their respective degree programs.
2. Students are responsible for meeting the assistantship responsibilities as outlined in the Graduate assistantship Agreement.
3. Graduate assistants must attend orientations conducted by Graduate Studies, the academic college, or the department, and must participate in departmental training activities.
4. If problems or conflicts arise in the performance of duties or pursuit of the degree, the graduate assistant should discuss the situation with his/her graduate advisor. If the problem is not resolved at that level, then the problem should be taken through the following levels until a resolution is reached: the department chair, the appropriate college dean, and finally to the Executive Director of Graduate Studies.
5. The graduate assistant assumes responsibility to notify the supervisor if the term of appointment cannot be completed. A letter of resignation must be submitted to the department chair, the departmental graduate advisor, the college dean, and the Executive Director of Graduate Studies no later than two weeks before his/her leaving the position unless emergency conditions exist. Resignation will forfeit all remaining stipend payments.

6. If an assistant is terminated before the final date of the assistantship, the graduate assistant will be notified by letter from the Executive Director of Graduate Studies no later than two weeks prior to termination.
7. The graduate assistant is invited to submit to the department chair suggestions concerning the assistantship experience during the evaluation procedure at the end of each semester.
8. All graduate assistants are expected to demonstrate personal honesty and professional integrity.

## Other Graduate Student Funding

### Research and Travel Grants

Graduate students are invited to submit proposals to Graduate Studies to support their research or travel to present their scholarship at professional/discipline-based meetings. Funds are made available on a competitive basis.

### Alumni Grant Program

An alumni grant scholarship is available to any qualified nonresident student whose parent, stepparent, or grandparent holds an associate, baccalaureate, master's, doctoral, or specialist degree or has completed a certificate program from Western Kentucky University. Residents of Kentucky are not eligible for the Alumni Grant.

### Senior Citizen Scholarship

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. A senior citizen (65 years or older) who holds a bachelor's degree may be admitted to Graduate Studies as a non-degree student or may pursue admission to a specific degree program.

### Veterans Administration Benefits

Some 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. Several categories of educational benefits are available including the Montgomery GI B ill, both Chapter 30 (active duty) and Chapter 1606 (reserve/national guard), Chapter 35 (Dependents Educational Assistance Program), Chapter 32 (Veterans' Educational Assistance Program) and Chapter 31 (Vocational Rehabilitation). Contact the Veteran's Coordinator at (270) 745-3732 for assistance.

# COLLEGE OF EDUCATION AND BEHAVIORAL SCIENCES

Dr. Corinne M. Murphy, Dean  
 Dr. Jennifer Klemm, Associate Dean  
 Dr. Jenni Redifer, Associate Dean for Research

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 www.wku.edu/cebs (<http://www.wku.edu/cebs/>)

## Mission

The College of Education and Behavioral Sciences is composed of the School of Teacher Education; the School of Leadership and Professional Studies; and the Departments of Counseling and Student Affairs; Military Science and Leadership; and Psychology. Support to teacher candidates is provided through the Office of Professional Educator Services. In addition, the College provides services to the community through the Center for Gifted Studies; the World Council for Gifted and Talented Children; Training and Technical Assistance Services; Military Student Services; the Center for Environmental Education and Sustainability; the Center for Excellence in Teaching and Learning - Models in Innovation; the Center for Literacy; the Center for Innovation in Math, Science, Engineering, and Technology Educational Excellence; the Renshaw Early Childhood Center; the Kelly Autism Program, housed in the Suzanne Vitale Clinical Education Complex, and the Talley Family Counseling Center, located in Gary Ransdell Hall. The College also houses the Center for the Study of Lifespan Development.

Graduate programs are offered in educational leadership, school counseling, mental health counseling, marriage and family therapy, student affairs, educational administration, elementary education, gifted studies, middle grades education, organizational leadership, secondary education, science and mathematics education, environmental education, interdisciplinary early childhood education, special education, library media education, literacy education, adult education, 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.

Master's, education specialist, and doctoral degree programs are described in this catalog, while information about baccalaureate programs are described in the undergraduate 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/>).

## Admission to Professional Education

Admission to professional education requires that the student:

1. File an application for admission to professional education.
2. File a statement indicating no convictions or pending charges on a felony or a sexual misconduct misdemeanor.
3. Submit documentation of a completed current physical exam, TB test or risk assessment, criminal background check, a Child Abuse and Neglect (CAN) check, and a signed copy of Professional Code of

Ethics and Affidavit of Non-disclosure, all dated within one year prior to admission to teacher education.

4. File a statement indicating a commitment to uphold the Professional Code of Ethics for Kentucky School Personnel.
5. Complete teacher admission standardized testing requirement for demonstration of basic skills by satisfying the indicated cut-off score(s) for one of the following:
  - a. As of September 1, 2014 the required test is the PRAXIS Core Academic Skills for Educators (CASE) with minimums of 156 in Reading, 162 in Writing, 150 in Math.
  - b. Prior to Sept. 1, 2014 the Pre-Professional Skills Test (PPST) with minimums of 174 in Mathematics, 176 in Reading, and 174 in Writing.
  - c. The Graduate Record Exam (GRE) with a minimum 150 Verbal, 143 Quantitative, and an Analytical Writing score of at least 4.0.
6. Submit three letters of recommendation
7. Achieve at least an overall undergraduate GPA of 2.75

Required of graduate students seeking initial certification (in addition to the requirements for all students):

1. Document a minimum overall GPA of at least 2.75 (counting all course work completed at the time of admission to professional education), or a minimum GPA of at least 3.0 in the last 30 hours including all undergraduate and graduate coursework.
2. Submit a copy of an approved Program of Study for a program leading to initial certification.

## Admission Requirements for Graduate Programs Leading to Initial Certification

In order to be admitted to professional education and be recommended for initial certification after program completion, graduate students must be admitted to a program and possess an overall undergraduate GPA of 2.75 or higher, or a cumulative GPA of at least 3.0 in the last 30 hours (graduate and undergraduate coursework). Specific programs may impose higher minimum GPA requirements as well as other requirements for program admission, and candidates for degrees must maintain a minimum 3.0 GPA overall and in the graduate major in order to receive a degree. Contact program advisor for program-specific requirements.

This policy applies to some or all students in the following programs: MAT Interdisciplinary Early Childhood Education, Birth to Primary, Initial Certification; MAT Special Education Initial Certification-Learning and Behavior Disorders; EdS School Psychology; and MAT Middle Grades/Secondary Education - Alternate Route to Teacher Certification.

## Alternate Route to Teacher/Principal/ Superintendent Certification

The College of Education and Behavioral Sciences offers approved Alternate Route to Teacher Certification programs in the following areas:

1. Art (Grades P-12)
2. Biology Education (Grades 8-12)
3. Business and Marketing Education (Grades 5-12)
4. Chemistry Education (Grades 8-12)
5. Chinese Education (Grades P-12)
6. Earth and Space Science Education (Grades 8-12)
7. Elementary Education (Grades P-5)



8. English/Allied Language Arts Education (Grades 8-12)
9. French Education (Grades P-12)
10. German Education (Grades P-12)
11. Interdisciplinary Early Childhood Education (Grades B-P)
12. Mathematics Education (Grades 8-12)
13. Middle Grades Education (with certification in two of the following content areas: Language Arts, Social Studies, Science, Mathematics; or with single subject certification in Science or Mathematics) (Grades 5-9)
14. Physics (Grades 8-12)
15. Social Studies Education (Grades 8-12)
16. Spanish Education (Grades P-12)
17. Special Education, Learning and Behavior Disorders (Grades P-12)

Further information about the Alternate Route to Teacher Certification (ARTC) programs may be found at [www.wku.edu/educatorservices/artc/index.php](http://www.wku.edu/educatorservices/artc/index.php) (<http://www.wku.edu/educatorservices/artc/>) or by contacting the Office of Professional Educator Services at (270) 745-4897, or the School of Teacher Education at (270) 745-5414. Applicants to ARTC programs must meet all standard program admission requirements as well as additional requirements; further details are provided in the departmental sections for Middle Grades Education, Secondary Education, and Special Education. Those admitted to ARTC programs may be eligible for a recommendation for a one-year temporary provisional teaching certificate, renewable for two additional one-year terms.

At the time of admission to an ARTC program, students will be expected to sign a document to signify their understanding of and agreement to abide by the following expectations:

1. The student must maintain a minimum GPA of 3.0. If the semester GPA drops below 3.0, the student may be dropped from the program or, with evidence of extenuating circumstances and at the discretion of the program faculty, the student may be allowed to remain on a probationary status. If the student's GPA falls below 3.0 for a second time, the student will be dropped from the program.
2. The student must be continuously enrolled (Fall, Spring, and Summer terms), completing a minimum of 3 hours per term unless prior approval of the program advisor is obtained. Regardless of hours completed in any given semester, the student must complete all degree requirements within three years from the date of the notice of eligibility to be issued the initial temporary provisional certificate.
3. In addition to satisfactory academic achievement, the student must demonstrate acceptable professional behavior in all school settings.

The college also offers approved Alternate Route to Director of Special Education Certification, Alternate Route to Principal Certification and Alternate Route to Superintendent Certification programs. Further information about these programs may be found in the departmental section for the School of Leadership and Professional Studies.

## Field Experience Policy

WKU 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 as well as student teaching or equivalent experience. 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 for a minimum of 70 days in an instructional setting, or approved 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 test or risk assessment, a current physical exam, a recent criminal background check, and a Child Abuse and Neglect (CAN) check. Students are responsible for the expenses incurred in complying with this requirement.

## 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:

1. Completion of approved program in each desired certification area(s);
2. Passing score(s) on the PRAXIS II exam(s) or other assessments required for each desired teaching area(s) (see [www.ets.org/praxis/ky/](http://www.ets.org/praxis/ky/)) for the most current list of required assessments);
3. Achievement of at least a 2.75 GPA overall, in each certifiable major(s) and minor(s), and in professional education courses (graduate students are required to maintain a 3.0 GPA or above in all graduate coursework);
4. Attainment of at least a "C" in all professional education courses, including EDU 489 and student teaching.

## Comprehensive Examination/Culminating Assessment/Capstone Experience

All CEBS master's programs require completion of a culminating assessment, such as a thesis and thesis defense; an action research project and presentation; a teacher work sample; or a comprehensive exam. General information regarding the policy for eligibility and administration of comprehensive exams may be found at [www.wku.edu/cebs/programs/graduate](http://www.wku.edu/cebs/programs/graduate) (<http://www.wku.edu/cebs/programs/graduate/>). Eligibility requirements include successful completion of EDFN 500 or other research foundations course prior to the student's final semester.

## Policy on Expiration of Graduate Courses and Programs Leading to Professional Education Certification

The following policy applies only to graduate certification-only programs, endorsement programs, Planned Fifth-Year (Rank II) programs, and Planned Sixth Year (Rank I) programs:

Course work for programs leading to certification in professional education must be aligned with current standards. Some older courses are not aligned with current standards, and thus it may not be appropriate to count them in a student's program. Generally speaking, courses used

to satisfy program requirements in programs leading to professional education certification should be no more than 10 years old at the time that the certification program is written. Decisions about whether older courses may be used will be made on a case-by-case basis by the department chair of the student's major. Students may be required to demonstrate proficiency related to current course content if they wish to satisfy program requirements using courses taken more than 10 years prior to when the student's program of studies is written. All requirements for graduate certification-only, endorsement, Planned Fifth-Year, and Planned Sixth-Year programs must be completed within 10 years from the date when the program was written. Students may request an extension, which must be approved by the Dean of the College of Education and Behavioral Sciences on recommendation of the department chair.

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.

## Non-Degree Programs

Students who wish to pursue a Planned Fifth-Year/Rank II or Planned Sixth-Year/Rank I program must submit an application to Graduate Studies. Upon completion of the non-degree program, individuals must contact the certification officer in the College of Education and Behavioral Sciences. The certification officer will then certify to Kentucky's Education Professional Standards Board that rank requirements have been met. Enrollment in a Planned Sixth-Year/Rank I program may not provide eligibility for a federal student loan, and completion of a Planned Fifth/Sixth-Year non-degree program may not be accepted in states other than Kentucky in determining pay status. Additional information about teacher certification may be found at [www.wku.edu/teacherservices/teacher\\_cert/index.php](http://www.wku.edu/teacherservices/teacher_cert/index.php) ([http://www.wku.edu/teacherservices/teacher\\_cert/](http://www.wku.edu/teacherservices/teacher_cert/)).

Candidates for the Planned Fifth-Year/Rank II, Planned Sixth-Year/Rank I, Advanced Certification, or Endorsement should furnish the WKU Office of Professional Educator Services the following documents:

1. A completed Application for Kentucky Teacher Certification or Change in Salary Rank (CA-1),
2. Verification by the superintendent or personnel director of full-time classroom teaching experience at the appropriate grade level(s), and
3. Passing PRAXIS II Specialty Area test scores for each area of certification and the Principles of Learning and Teaching test score for appropriate grade range (if applicable).

## Planned Fifth-Year/Rank II Programs

The School of Teacher Education provides Planned Fifth-Year/Rank II programs in Elementary Education for Teacher Leaders, Middle Grades Education for Teacher Leaders, and Secondary Education for Teacher Leaders for students who do not meet the admission requirements of a degree program or who want greater flexibility with regard to time allowed for completion, transfer limitations, and selection of courses than is permitted in degree programs.

Admission to a Planned Fifth-Year/Rank II program requires completion of a baccalaureate degree and documentation of certification or eligibility for certification consistent with the desired Planned Fifth-Year/Rank II program. According to state regulations, an applicant may be admitted to a program in a professional education specialty for which the applicant's certification was issued, in an academic subject for which the applicant's

certification was issued, or in professional education with emphasis in an academic subject for which certification was issued.

Although the Planned Fifth-Year/Rank II program does not result in the master's degree, it does result in Rank II salary classification in Kentucky, renews the teaching certificate, and permits entry into some Planned Sixth-Year /Rank I programs.

### General Guidelines

(See specific program requirements described in the listings for the School of Teacher Education.)

1. A minimum of 32 semester hours of graduate courses must be completed, with a minimum GPA of 3.0;
2. In order to be recommended for certification and/or rank change after completing a non-degree certification-only program, students must complete at least one-half of the minimum program hours in residence at Western Kentucky University. Exceptions may be permitted in the case of programs for which contractual arrangements have been made with other institutions for the delivery of course work. With the approval of the advisor and the certification officer, the remaining hours may be taken at other institutions, provided that the grades earned are "B" or higher and other transfer regulations are met;
3. A minimum of 12 hours must be in professional education courses, and a minimum of 9 hours must be in cognate areas;
4. Course work taken by correspondence is not accepted; and
5. With prior advisor approval, a maximum of 12 hours of professional development credit may be applied to the program requirement.

## Planned Sixth-Year/Rank I Programs

The School of Teacher Education offers Planned Sixth-Year/Rank I programs in Elementary Education, Middle Grades Education, Secondary Education, and Interdisciplinary Early Childhood Education. The School of Leadership and Professional Studies offers Planned Sixth-Year/Rank I programs in Principalship, Pupil Personnel Administration, and Supervisor of Instruction. A Planned Sixth-Year/Rank I program in School Administration to prepare special education directors is available in the School of Teacher Education. Admission to a Planned Sixth-Year/Rank I program requires completion of an approved Rank II program, either a master's degree or a planned fifth-year program. Some programs have additional requirements; see specific program sections for further information.

Planned Sixth-Year/Rank I programs lead to the Rank I salary status for certified teachers in Kentucky.

### General Guidelines

(See specific program requirements described in the listings for the School of Teacher Education, Department of Counseling and Student Affairs, and Department of Educational Administration, Leadership, and Research.)

1. A minimum of either (a) 30 semester hours of approved graduate level credit in addition to the requirements for the Rank II salary classification, or (b) 60 unduplicated semester hours of approved graduate level credit, including a master's degree, must be completed;
2. All course work must be planned in consultation with the advisor and must be related to the professional needs of the student;
3. A minimum of 15 semester hours must be completed in courses numbered 500 or higher;
4. A "B" average must be maintained, and no course grade lower than a "C" may be counted;

5. In order to be recommended for certification and/or rank change after completing a non-degree certification-only program, students must complete at least one-half of the minimum program hours in residence at Western Kentucky University. Exceptions may be permitted in the case of programs for which contractual arrangements have been made with other institutions for the delivery of course work. With the approval of the advisor and the certification officer, the remaining hours may be taken at other institutions, provided that the grades earned are "B" or higher and other transfer regulations are met; and
6. A minimum of 24 hours of the total 60 (62 hours when based on Rank II salary classification) must be in academic work apart from professional education. These hours must be in the candidate's major or minor, area of preparation, or supporting courses from other disciplines as approved by the institution.

- Gifted Education and Talent Development, Certificate (1764) (p. 65)
- Gifted Education and Talent Development, Master of Arts in Education (0482) (p. 65)
- Gifted Education/Talent Development & Advanced Instructional Practice, Specialist in Education (0503) (p. 68)
- Instructional Design, Certificate (0418) (p. 71)
- Instructional Design, Master of Science (0428) (p. 71)
- Interdisciplinary Early Childhood Education, Birth to Primary, for Initial Certification, Master of Arts in Teaching (0460) (p. 72)
- Interdisciplinary Early Childhood Education, Birth to Primary, Master of Arts in Education (0461) (p. 73)
- Interdisciplinary Early Childhood Education, Rank I (156) (p. 74)
- Libraries, Informatics, and Technology in Education, Master of Science (0497) (p. 75)
- Literacy Education, Master of Arts in Education (044) (p. 76)
- Literacy in Post-Secondary Settings, Certificate (0462) (p. 76)
- Literacy P-12, Certificate (1750) (p. 77)
- Middle Grades Education for Initial Certification, Master of Arts in Teaching (0458) (p. 77)
- Middle Grades Education, Rank I (158) (p. 79)
- Secondary Education, Rank I (124) (p. 79)
- Secondary Education, Rank II (0432) (p. 80)
- Special Education for Initial Certification, Master of Arts in Teaching (0456) (p. 81)
- Special Education for Learning and Behavior Disorders, Master of Arts in Education (0457) (p. 82)
- Special Education for Moderate and Severe Disabilities, Master of Arts in Education (0438) (p. 83)
- Teacher Education for Initial Certification, MAT (0495) (p. 83)

## Endorsement & Certification-Only Programs Residency Requirement

In order to be recommended for certification and/or rank change after completing a non-degree program, students must complete at least one-half of the minimum program hours in residence at Western Kentucky University. Exceptions may be permitted in the case of programs for which contractual arrangements have been made with other institutions for the delivery of course work. With the approval of the advisor and the certification officer, the remaining hours may be taken at other institutions, provided that the grades earned are "B" or higher and other transfer regulations are met.

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## Departments and Programs

- Department of Counseling and Student Affairs (p. 35)
  - Addictions Education, Certificate (0492) (p. 35)
  - Career Services, Certificate (0468) (p. 35)
  - Certification Only, Counseling (159) (p. 36)
  - College and Career Readiness, Certificate (1737) (p. 37)
  - Counseling, Master of Arts in Education (043) (p. 37)
  - International Student Services, Certificate (0415) (p. 39)
  - Student Affairs in Higher Education, Master of Arts in Education (145) (p. 39)
- Department of Psychology (p. 40)
  - Applied Psychology, Doctor of Psychology (0476) (p. 41)
  - Psychology, Master of Arts (092) (p. 43)
  - School Psychology, Specialist in Education (147) (p. 44)
- School of Leadership and Professional Studies (p. 45)
  - Certification Only, Education Leadership (131) (p. 45)
  - Educational Leadership, Doctor of Education (0010) (p. 48)
  - Instructional Leadership, School Principal, MAE (0499) (p. 49)
  - Organizational Leadership, Certificate (1723) (p. 50)
  - Organizational Leadership, MA (0467) (p. 50)
  - School Administration, Rank I (121) (p. 53)
- School of Teacher Education (p. 54)
  - Advanced Behavior Management, Certificate (1736) (p. 55)
  - Advanced Teacher Education, MAE (0500) (p. 56)
  - Certification Only, Teacher Education (132) (p. 60)
  - Elementary Education, Rank I (084) (p. 63)
  - Elementary Math Specialization P-5, Certificate (0485) (p. 64)

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*Course work associated with degree programs at Western Kentucky University may be used to meet teacher certification requirements established by the Commonwealth of Kentucky; however, the Commonwealth may institute changes in certification requirements. When the Commonwealth initiates such changes, students seeking teacher certification may be required to modify their programs of study to meet the new certification requirements.*

## Department of Counseling and Student Affairs

Jill Duba Sauerheber (jillduba.sauerheber@wku.edu), Department Chair  
Gary A. Ransdell Hall 3035  
(270) 745-4799

### Programs

- Addictions Education, Certificate (0492) (p. 35)
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- Counseling, Master of Arts in Education (043) (p. 37)
- International Student Services, Certificate (0415) (p. 39)
- Student Affairs in Higher Education, Master of Arts in Education (145) (p. 39)

### Faculty

#### Professor

Monica G. Burke PhD (Education, Educational Administration and Supervision), University of Southern Mississippi, 1997

Aaron W. Hughey EdD (Educational Administration), Northern Illinois University, 1988

Cynthia P. Mason EdD (Instruction and Administration), University of Kentucky, 1996

Jill Duba Sauerheber PhD (Counseling & Human Development Services), Kent State University Kent Campus, 2004

#### Associate Professor

Lacretia T. Dye PhD (Counselor Education), Western Michigan University, 2012

#### Assistant Professor

Rhemma D. Payne PhD (Counselor Education- Supervisor), Walden University, 2022

## Addictions Education, Certificate (0492)

#### Program Coordinator

Monica G. Burke, monica.burke@wku.edu, (270) 745-4953

This 12-hour interdisciplinary certificate program in addictions education prepares students to provide counseling or education services and/or support services to individuals abusing or experiencing addiction. Individuals who complete the program will be knowledgeable about the various components of addictions and will have skills related to their professional field such as prevention strategies, assessment procedures, intervention skills, treatment, and recovery support.

### Program Admission

#### Admission Requirements

##### Graduate School Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate School admission requirements.

### Program Requirements (12 hours)

Code	Title	Hours
<b>Required Courses</b>		
CNS 637	Theories of Addiction	3
CNS 647	Addictions: Assessment, Diagnosis and Treatment Planning	3
CNS 667	Counseling Substance and Process Addictions	3
<b>Electives</b>		
One course related to the program content and approved by certificate advisor.		3
<b>Total Hours</b>		<b>12</b>

## Career Services, Certificate (0468)

#### Program Coordinator

Aaron W. Hughey, aaron.hughey@wku.edu, (270) 745-4849

The Certificate in Career Services (CCS) is designed to helping professionals with the advanced knowledge and skills needed to better serve students and clients within the context of a volatile and ever changing employment landscape. Graduates of this certificate program will be better prepared to assist students to be more engaged in the educational experience through appropriate academic major and career choice, which may lead to higher retention of current students and successful transition to the workforce. Moreover, the CCS program complements the master's degree programs in a wide variety of helping professions. The 15 hour certificate program includes 9 hours of required core courses and 6 hours of electives. The program requires an internship in career counseling. The program may be completed as a stand-alone program, or students admitted to related master's degree programs may incorporate 12 hours of the certificate program into their program of study (if appropriate). Admission to the CCS program is based on completion of a baccalaureate degree and adequate preparation in this or a related area of study. This certificate program welcomes applicants from all graduate programs at Western Kentucky University and elsewhere. However, students seeking admission to a University graduate degree program must apply to and meet admissions requirements of the program. Please note that admission to, or completion of, the CCS program will not guarantee admission to any graduate degree program.

### Program Admission

In addition to Graduate Studies admission requirements, applicants are required to submit a statement describing their interest in the CCS and their employment goals.

#### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

### Program Requirements (15 hours)

Code	Title	Hours
<b>Required Courses</b>		
CNS 593	Career Development in Student Affairs and Higher Education	3
CNS 675	Advanced Career Counseling and Services Administration	3

CNS 595	Internship	3
<b>Electives</b>		
Select six hours from the following:		6
CNS 556	Developmental Career Counseling	
CNS 572	The College Student Experience	
CNS 574	Student Development in Higher Education	
CNS 577	Counseling Concepts and Applications for Student Affairs Professionals	
CNS 610	Assessment and Accountability in Student Affairs and Higher Education	
<b>Total Hours</b>		<b>15</b>

## Certification Only, Counseling (159)

### Program Coordinator

Cynthia P. Mason, [cynthia.mason@wku.edu](mailto:cynthia.mason@wku.edu), (270) 745-4953

The Certification Only, Counseling program is specific to the concentration selected (concentration codes shown in parentheses below).

### Extension from Elementary or Secondary Guidance to P-12, Certification-Only (KGCS)

Students may pursue this certification as a certification-only program or as part of the Planned Sixth-Year/Rank I in Guidance.

### Standard Guidance, Provisional to P-12, Certification-Only (KGCP)

Students may pursue the certifications listed below as certification-only programs or as part of the Planned Sixth-Year/Rank I in Guidance. Those seeking the Planned Sixth-Year/Rank I in Guidance should note that it requires other course work in addition to the courses described.

The Provisional to P-12 Standard Guidance program is designed for individuals with a master's degree in school counseling who have provisional P-12 Guidance Certification. P-12 Guidance Certification is a prerequisite for Standard Guidance Certification. Individuals certified at the elementary (Grades K-8) or secondary (Grades 5-12) levels must first complete the 6 hours required to obtain P-12 Certification.

Standard Guidance Certification requires both completion of required course work and completion of one year of employment as a school counselor for those certified as teachers or two years of employment for those not previously certified as teachers. Many individuals complete the course work prior to completing the experience requirements.

## Program Admission

Admission to the Certification Only, Counseling program is specific to the concentration selected (concentration codes shown in parentheses below).

### Extension from Elementary or Secondary Guidance to P-12, Certification-Only (KGCS)

Continuing certification for Elementary or Secondary Guidance is no longer available. Counselors with K-8 or 5-12 certification must first complete requirements to extend their certification to P-12, and then

they may seek Standard Guidance certification. To be admitted to pursue extension of the certification to P-12, applicants must document completion of a graduate degree in school counseling and certification as a School Counselor.

### Standard Guidance, Provisional to P-12, Certification-Only (KGCP)

Documentation of a master's degree in school counseling and current guidance certification in Kentucky.

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (6 hours)

Program requirements for the Certification Only, Counseling program are specific to the concentration selected (concentration codes shown in parentheses below).

### Extension from Elementary or Secondary Guidance to P-12, Certification-Only (KGCS)

Code	Title	Hours
Select 2 courses with advisor approval		6
CNS 500	College and Career Readiness Foundations	3
CNS 501	College and Career Consultation & Collaboration	3
CNS 502	College and Career Program Development & Evaluation	3
CNS 548	Principles and Practices	3
CNS 549	Counseling and Consultation	3
CNS 556	Developmental Career Counseling	3
CNS 567	Mental Health Diagnosis and Treatment in Counseling	3
CNS 569	Play Therapy	3
CNS 588	Family Systems Counseling	3
CNS 592	Crisis, Trauma and Violence Counseling	3
CNS 606	Marriage, Couple, and Family Counseling Practice and Process	3
CNS 637	Theories of Addiction	3
CNS 647	Addictions: Assessment, Diagnosis and Treatment Planning	3
CNS 667	Counseling Substance and Process Addictions	3
CNS 677	Eating Disorders in Counseling	3

**Other courses may be approved in consultation with the advisor** Students cannot duplicate courses from other completed programs towards the certificate

### Standard Guidance, Provisional to P-12, Certification-Only (KGCP)

Specific requirements for P-12 and Standard Guidance depend on the applicant's master's degree program and current certification. State regulations require individuals who possess guidance certification at the

elementary (K-8) or secondary (5-12) level to complete requirements for P-12 Certification prior to obtaining Standard Guidance Certification.

Code	Title	Hours
For individuals with current guidance certification at the elementary (grades K-8) or secondary (grades 5-12) level		
<b>Required Courses</b>		
CNS 568	Counseling Children and Adolescents	3
CNS 660	Organization and Administration of Guidance Services	3
<b>Total Hours</b>		<b>6</b>

Code	Title	Hours
For individuals with P-12 guidance certification who have completed a 30 or 36-hour program in school counseling		
<b>Required Courses</b>		
CNS 556	Developmental Career Counseling	3
CNS 666	Legal and Ethical Issues in Counseling	3
<b>Total Hours</b>		<b>6</b>

Code	Title	Hours
For individuals with P-12 guidance certification who have completed a 48-hour program in school counseling consistent with CACREP school counseling standards		
<b>Required Courses</b>		
CNS 666	Legal and Ethical Issues in Counseling	3
Select one of the following:		
CNS 592	Crisis, Trauma and Violence Counseling	3
CNS 637	Theories of Addiction	
CNS 569	Play Therapy	
<b>Total Hours</b>		<b>6</b>

Code	Title	Hours
For individuals with P-12 guidance certification who have completed a 30 or 36-hour program in school counseling program approved to start Spring 2018 at WKU.		
<b>Required Courses</b>		
CNS 558	Theories of Counseling	3
CNS 666	Legal and Ethical Issues in Counseling	3
<b>Total Hours</b>		<b>6</b>

## College and Career Readiness, Certificate (1737)

### Program Coordinator

Monica G. Burke, monica.burke@wku.edu, (270) 745-4953

This certificate program is for graduate students who are interested in the college and career readiness of P-12 students; with a specific focus on interacting and intervening with this target population, as well as developing professional relationships with school-related stakeholders.

The College and Career Readiness (CCR) certificate is created to support the career and college readiness needs of local, regional, and national P-12 students. It will be offered on WKU's Bowling Green campus; courses will be taught by CNS faculty with the integration of experts from local businesses and schools. Students will have opportunities to participate in action research and service learning consultation activities. This certificate program will play a leading role in Kentucky's economic and social development by preparing CCR graduates to prepare P-12 students to join a high quality educated workforce in an area of local, regional, and national need. Additionally, it will meet the needs of area schools by providing specific training to the personnel being hired or asked to work with students in the areas of college and career readiness. It will also serve to help build and maintain networks between districts and industry in Bowling Green.

Program Admission

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (12 hours)

Code	Title	Hours
<b>Required Courses</b>		
CNS 500	College and Career Readiness Foundations	3
CNS 501	College and Career Consultation & Collaboration	3
CNS 502	College and Career Program Development & Evaluation	3
CNS 556	Developmental Career Counseling	3
<b>Total Hours</b>		<b>12</b>

## Counseling, Master of Arts in Education (043)

### Program Coordinator

Monica G. Burke, monica.burke@wku.edu, (270) 745-4953

The MAE in Counseling has two concentrations and meets the educational requirements for licensure as a Licensed Professional Clinical Counselor in the Commonwealth of Kentucky and in states with reciprocal licensure agreements. The Council for the Accreditation of Counseling and Related Educational Programs (CACREP) accredits both the Clinical Mental Health Counseling and the Marriage, Couple, and Family Counseling concentrations in the Counseling master's degree program.

### Concentration(s)

- Clinical Mental Health Counseling (CMHC)
- Marriage, Couple and Family Counseling (CMCF)

### Joint Undergraduate Master's Program (JUMP)

This degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

## Program Admission

Application Deadline is October 1 for spring admission; and March 1 for fall admission. Review of completed applications begins October 6th and March 6th for spring and fall, respectively. Reviews employ a holistic approach to evaluate applicants' potential to be successful as students and, upon graduation, counseling or student affairs professionals. This approach involves the submission of materials that allows department faculty members to develop a more complete picture of applicants in terms of academic aptitude for graduate-level study, potential success in forming effective counseling relationships, respect for cultural differences, and relevance of career goals to their prospective programs of interest. Faculty rate applicants' application materials and rank the applications according to these categories. Highly ranked applicants are invited to interview with faculty and current students in an individual or group setting.

After completion of the interview, admissions decisions are made based on application ratings and interview evaluations collectively. The application process is competitive with a limited number of openings.

### STEP ONE: COMPLETE THE ADMISSIONS APPLICATION PROCESS

Completed applications include various application materials that must be completed by the application deadlines. Application portfolios should reflect thought, attention to detail, and appropriate effort. You are applying to a competitive graduate program; it is important that your portfolio represents you in a positive yet realistic manner. Please allow yourself at least a few weeks to complete the entire process.

All of the following materials should be submitted directly through the Graduate School application:

1. Graduate School Application Form - (<https://www.wku.edu/graduate/>) requirements include a non-refundable application fee and official transcripts
2. Statement of Interest (<http://wku.edu/csa/>)
3. A background check
4. Resume, final page of which is a list of three professional references

In addition to the Graduate School application process, students entering the Student Affairs program may be asked to submit a Case Study Writing Sample. Once the completed application is received, separate instructions will be sent for completing this process.

### STEP TWO: SELECTED APPLICANTS INVITED TO PARTICIPATE IN INTERVIEW

Based on the review of the application portfolio, highly ranked applicants will receive notification of their eligibility for an individual or group interview. Applicants who completed Step 1 with moderate rankings may be placed on a waiting list depending on the number of students admitted each term. Eligible applicants will be scheduled for interviews on campus with faculty, current students, alumni and/or experienced professionals.

Participation in the interview process does not guarantee admission but is a prerequisite for admission. Interviewees who are unable to travel to campus interviews may arrange an online interview with the Program Coordinator. Based on the interview assessment, faculty will make offers for admission for the most highly rated candidates.

Applicants with moderate or lower rankings from the interviewers may receive letters indicating they will be placed on a waiting list or are not eligible for admission based on the review. If you are on a waiting list,

the average time to be notified of your eligibility may be up to 6 weeks. Program Coordinators will oversee the application process.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (60 hours)

Code	Title	Hours
<b>Required Courses</b>		
CNS 552	Testing and Assessment in Counseling	3
CNS 554	Group Counseling	3
CNS 555	Social and Cultural Diversity in Counseling	3
CNS 556	Developmental Career Counseling	3
CNS 557	Human and Family Development in Counseling	3
CNS 558	Theories of Counseling	3
CNS 559	Techniques of Counseling	3
CNS 560	Professional Studies in Clinical, Family and School Counseling	3
CNS 567	Mental Health Diagnosis and Treatment in Counseling	3
CNS 588	Family Systems Counseling	3
CNS 591	Clinical Mental Health/Marriage, Couple, and Family Counseling Practicum <sup>1</sup>	3
CNS 592	Crisis, Trauma and Violence Counseling	3
CNS 596	Clinical Mental Health Counseling/Marriage, Couple, and Family Counseling Internship <sup>1,2</sup>	6
CNS 598	Research and Program Evaluation in Counseling	3
CNS 637	Theories of Addiction	3
<b>Select a Concentration</b>		<b>12</b>
Clinical Mental Health Counseling Concentration (CMHC)		
Select 12 hours of electives in consultation with an advisor		
Marriage, Couple, and Family Counseling Concentration (MCFC)		
CNS 583	Couples Counseling	
CNS 606	Marriage, Couple, and Family Counseling Practice and Process	
Select 6 hours of electives from the following list or others approved by the MCFC Program Coordinator.		
CNS 582	Sex Therapy Techniques in Counseling	
CNS 586	Parenting Issues	
CNS 611	Advanced Play Therapy	
CNS 647	Addictions: Assessment, Diagnosis and Treatment Planning	
CNS 613	Sandtray Techniques in Counseling	
CNS 667	Counseling Substance and Process Addictions	

CNS 568	Counseling Children and Adolescents
CNS 569	Play Therapy
<b>Total Hours</b>	<b>60</b>

<sup>1</sup> To enroll in practicum the student must have completed the appropriate practice preparation sequence and obtain department approval.

<sup>2</sup> Internship must be taken over a period of two semesters.

All students must pass a final comprehensive examination. Comprehensive examinations are given in the fall, spring, and summer semesters. Students must meet the criteria established by the College of Education and Behavioral Sciences in order to be eligible to take the comprehensive examination. The comprehensive exam policy and application may be found at [www.edu/csa/sc/comp\\_exam](http://www.edu/csa/sc/comp_exam) ([http://www.wku.edu/csa/sc/comp\\_exam.php](http://www.wku.edu/csa/sc/comp_exam.php)).

## International Student Services, Certificate (0415)

### Program Coordinator

Aaron W. Hughey, [aaron.hughey@wku.edu](mailto:aaron.hughey@wku.edu), (270) 745-4849

The Certificate in International Student Services (CISS) program offers preparation to provide international student services as a component of campus internationalization. Students will gain theoretical and applied knowledge regarding student services (international and domestic), expanded cross-cultural awareness and global consciousness, as well as enhanced intercultural communication skills. Recognizing the unique contribution of international students to the learning environment, students who complete the certificate program will be prepared to provide services and programs to meet the needs of international students.

The 15-hour certificate program includes 9 hours of required courses and 6 hours of restricted electives. The program requires a study abroad course and/or an internship abroad depending on student's international experience (as determined by the advisor upon initial admission to the program). The CISS may be completed as a stand-alone program, or students admitted into the MAE in Student Affairs may incorporate up to 12 hours of the certificate program into their program of study.

## Program Admission

Admission to the CISS program is based on completion of a bachelor's degree and adequate preparation in the area of study. This certificate program welcomes applicants from all graduate programs at Western Kentucky University and elsewhere.

Students seeking admission to a University graduate degree program must apply to and meet admissions requirements of the program.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (15 hours)

Code	Title	Hours
<b>Required Courses</b>		
CNS 571	Introduction to Student Affairs in Higher Education	3
CNS 581	International Students and Services in Higher Education	3
CNS 595	Internship	3
<b>Electives</b>		
Select six hours from the following with advisor approval: <sup>1</sup>		6
CNS 572	The College Student Experience	
CNS 574	Student Development in Higher Education	
CNS 670	Parameters of Law in Student Affairs and Higher Education	
CNS 555	Social and Cultural Diversity in Counseling	
GWS 555	Global and Cross-Cultural Perspectives on Women	
CNS 579	Seminar in Student Affairs (with a focus on international students/student services)	
<b>Total Hours</b>		<b>15</b>

<sup>1</sup> Other elective course(s) may be approved by faculty advisor.

## Student Affairs in Higher Education, Master of Arts in Education (145)

### Program Coordinator

Aaron W. Hughey, [aaron.hughey@wku.edu](mailto:aaron.hughey@wku.edu), (270) 745-4849

The Master of Arts in Education program in Student Affairs in Higher Education is designed to prepare students to obtain entry and mid-level student affairs professional positions. Through a theory-based and applications-oriented program, students gain skills and competencies necessary to succeed in a variety of student affairs and post-secondary settings. Program content covers three broad areas: theoretical foundations, professional practice, and administrative effectiveness. Students are provided opportunities to focus on specific student affairs functions that are consistent with their interests.

### Joint Undergraduate Master's Program (JUMP)

This degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

### Program Faculty

Monica Burke  
Aaron Hughey

## Program Admission

Application Deadline is October 1 for spring admission; and March 1 for fall admission. Review of completed applications begins October 2nd



and March 2nd for spring and fall, respectively. Reviews employ a holistic approach to evaluate applicants' potential to be successful as students and, upon graduation, counseling or student affairs professionals. This approach involves the submission of materials that allows department faculty members to develop a more complete picture of applicants in terms of academic aptitude for graduate-level study, potential success in forming effective counseling relationships, respect for cultural differences, and relevance of career goals to their prospective programs of interest. Faculty rate applicants' application materials and rank the applications according to these categories. Highly ranked applicants are invited to interview with faculty and current students in an individual or group setting.

After completion of the interview, admissions decisions are made based on application ratings and interview evaluations collectively. The application process is competitive with a limited number of openings.

#### STEP ONE: COMPLETE THE ADMISSIONS APPLICATION PROCESS

Completed applications include various application materials that must be completed by the application deadlines. Application portfolios should reflect thought, attention to detail, and appropriate effort. You are applying to a competitive graduate program; it is important that your portfolio represents you in a positive yet realistic manner. Please allow yourself at least a few weeks to complete the entire process.

All of the following materials should be submitted directly through the Graduate Studies application:

1. Graduate Studies Application Form (<https://www.wku.edu/graduate/>) - requirements include a non-refundable application fee and official transcripts
2. Statement of Interest (<http://wku.edu/csa/>)
3. A background check
4. Resume

In addition to the Graduate Studies application process, students entering the Student Affairs program may be asked to submit a Case Study Writing Sample. Once the completed application is received, separate instructions will be sent for completing this process.

#### STEP TWO: SELECTED APPLICANTS INVITED TO PARTICIPATE IN INTERVIEW

Based on the review of the application portfolio, highly ranked applicants will receive notification of their eligibility for an individual or group interview. Applicants who completed Step 1 with moderate rankings may be placed on a waiting list depending on the number of students admitted each term. Eligible applicants will be scheduled for interviews on campus with faculty, current students, alumni and/or experienced professionals.

Participation in the interview process does not guarantee admission but is a prerequisite for admission. Interviewees who are unable to travel to campus interviews may arrange an online interview with the Program Coordinator. Based on the interview assessment, faculty will make offers for admission for the most highly rated candidates.

Applicants with moderate or lower rankings from the interviewers may receive letters indicating they will be placed on a waiting list or are not eligible for admission based upon the review. If you are on a waiting list, the average time to be notified of your eligibility may be up to 6 weeks. Program Coordinators will oversee the application process.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (36 hours)

Code	Title	Hours
<b>Required Core</b>		
CNS 571	Introduction to Student Affairs in Higher Education	3
CNS 574	Student Development in Higher Education	3
CNS 577	Counseling Concepts and Applications for Student Affairs Professionals	3
CNS 585	Leadership and Administration in Student Affairs	3
CNS 594	Research Methods in Student Affairs	3
CNS 595	Internship	6
CNS 604	Resource Management in Student Affairs and Higher Education	3
CNS 605	Social and Cultural Diversity in Higher Education	3
CNS 610	Assessment and Accountability in Student Affairs and Higher Education	3
CNS 670	Parameters of Law in Student Affairs and Higher Education	3
<b>Electives</b>		
Select 1 course (3 hours) from the following:		3
CNS 572	The College Student Experience	
CNS 581	International Students and Services in Higher Education	
CNS 589	Group Dynamics in Student Affairs and Higher Education	
CNS 593	Career Development in Student Affairs and Higher Education	
CNS 603	Critical Issues and Strategies in Student Affairs and Higher Education	
CNS 675	Advanced Career Counseling and Services Administration	
<b>Total Hours</b>		<b>36</b>

All students must pass a final comprehensive examination. Comprehensive examinations are given in the fall, spring, and summer semesters. Students must meet the criteria established by the College of Education and Behavioral Sciences in order to be eligible to take the comprehensive examination. The comprehensive exam policy and application may be found at [www.wku.edu/csa/sc/comp\\_exam.php](http://www.wku.edu/csa/sc/comp_exam.php) ([http://www.wku.edu/csa/sc/comp\\_exam.php](http://www.wku.edu/csa/sc/comp_exam.php)).

## Department of Psychology

Steve Winger and Pitt Derryberry, Co-Department Chairs  
Gary A. Ransdell Hall 3012  
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psychology@wku.edu

## Programs

- Applied Psychology, Doctor of Psychology (0476) (p. 41)
- Psychology, Master of Arts (092) (p. 43)
- School Psychology, Specialist in Education (147) (p. 44)

## Faculty

### Professor

Pitt Derryberry PhD (Educational Psychology), The University of Alabama, 2001

Lisa C. Duffin PhD (Educational Studies, Educational Psychology), Purdue University Main Campus, 2009

Frederick G. Grieve PhD (Psychology, Clinical Psychology), University of Memphis, 1996

Jenni L. Redifer PhD (Educational Psychology), University of Florida, 2012

Robert K. Welsh PhD (Clinical Psychology), Biola University, 1999

Steven R. Winingher PhD (Educational Psychology, Sports Psychology), Florida State University, 1998

Qin Zhao PhD (Educational Psychology), University of Florida, 2008

### Associate Professor

Sarah E. Bonis PhD (School Psychology), University of Houston, 2017

### Assistant Professor

Michelle R. Durham PhD (Psychology), North Dakota St University Main Campus, 2020

Sungjin Im PhD (Clinical Psychology), University of Nevada, Reno, 2018

Christopher S. Peters PhD (Psychology), University of Arkansas Main Campus, 2013

Young-Jae Yoon PhD (Psychology), Loyola University of Chicago, 2020

## Applied Psychology, Doctor of Psychology (0476)

### Program Coordinator

Robert K. Welsh, robert.welsh@wku.edu

The Doctor of Psychology in Applied Psychology provides knowledge and skills for its graduates to become effective change agents within community, therapeutic, educational, and education-related environments. The program is designed to prepare scholarly practitioners whose program content and experiences emphasize application to the real world.

The Psy.D. in Applied Psychology prepares students to:

- Function as competent practitioner/scholars, skilled in developing, implementing, and evaluating evidence-based practices, particularly for rural and other under-served populations, in their chosen area of concentration;
- Provide ethical, competent, and professional supervision of psychological practice in their communities of practice; and
- Contribute to the practice and scholarship of psychology, consistent with the practitioner/scholar model, with the capacity to review scholarly literature, effectively integrate it with practice considerations, and evaluate outcomes.

## Concentration(s)

- Clinical Psychology (BA/BS to PsyD)
- Clinical Psychology (MA to PsyD)
- School Psychology

## Program Admission

### Clinical Psychology (BA/BS to PsyD) Concentration

Program admission is based on a comprehensive evaluation of a candidate's application file and an interview. Applicants must submit:

1. Minimum GRE scores of 142 Verbal, 142 Quantitative, and 4.0 Analytic Writing<sup>1</sup>
2. Undergraduate transcript of an earned undergraduate degree with a minimum of 18 hours of psychology coursework including statistics or research methods (3 hrs), abnormal (preferred) or personality psychology (3 hrs) with a minimum cumulative grade point average (GPA) of 2.75 and 3.00 in psychology coursework
3. Three letters of recommendation from professionals attesting to the applicant's potential for success in the program
4. Personal statement describing professional interests, expectations for the degree, and career goals
5. Resume or curriculum vita
6. Psychology Department application
7. Criminal background check

### Clinical Psychology (MA to PsyD) Concentration

Program admission is based on a comprehensive evaluation of a candidate's application file and an interview. Applicants must submit:

1. Minimum GRE scores of 142 Verbal, 142 Quantitative, and 4.0 Analytic Writing<sup>1</sup>
2. Graduate transcript of an earned master's degree or higher in clinical psychology or a related field with a minimum graduate grade point average (GPA) of 3.50
3. Three letters of recommendation from professionals attesting to the applicant's potential for success in the program
4. Personal statement describing professional interests, expectations for the degree, and career goals
5. Resume or curriculum vita
6. Psychology Department application form
7. Criminal background check

### School Psychology Concentration

Program admission is based on a comprehensive evaluation of a candidate's application file and an interview. Applicants must submit:

1. Minimum GRE scores of 142 Verbal, 142 Quantitative, and 4.0 Analytic Writing.<sup>1</sup>
2. Graduate transcript of an earned specialist's degree in school psychology or a related field with a minimum graduate grade point average (GPA) of 3.50.
3. Three letters of recommendation from professionals attesting to the applicant's potential for success in the program
4. Personal statement describing professional interests, expectations for the degree, and career goals.
5. Resume or curriculum vita.

6. Psychology Department application
7. Criminal background check

<sup>1</sup> In lieu of the GRE scores, applicants may submit a portfolio that includes evidence of at least five years' successful practice in the field and evidence of managerial/supervision experience or superlative practice.

Based on review of the application file, interviews will be held with viable candidates to assess compatibility with program goals and objectives. Additionally, student transcripts will be evaluated and deficient coursework may be required. Deficiencies will be denoted on the program of study.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (48, 51, or 96 hours)

### Clinical Psychology (BA/BS to PsyD) Concentration (96 hours)

Code	Title	Hours
<b>Required Courses</b>		
EDFN 500	Research Methods	3
EDFN 501	Educational Statistics	3
PSY 511	Psychology of Learning	3
PSY 520	Individual Differences and Human Diversity	3
PSY 541	Professional Issues and Ethics in Psychology	3
PSY 560	Assessment of Individual Intellectual Functioning: Theories and Issues	3
PSY 562	Practicum in Psychological Assessment	3
PSY 640	Psychopathology	3
PSY 641	Theories of Psychotherapy	3
PSY 646	Social Psychology for Applied Practice	3
PSY 651	Clinical Neuropsychology for Applied Psychologist	3
PSY 660	Assessment of Personality and Socio-Emotional Functioning	3
PSY 662	Practicum in Psychology	3
PSY 592	Psychology Internship	3
PSY 590	Readings of Research Psychology (and 3 hour PSY elective)	6
or PSY 599	Thesis Research	
MA Psychology awarded upon successful completion of the 48 hours of required courses above.		
ADED 515	How Adults Change	3
or CNS 557	Human and Family Development in Counseling	
EDFN 740	Intermediate Statistics and Design	3
or EDFN 744	Seminar in Advanced Research Methods	

PSY 561	Advanced Assessment in Educational Settings	3
or PSY 643	Academic Assessment and Intervention	
or PSY 647	Addictions: Assessment, Diagnosis and Treatment Planning	
or PSY 766	Assessment of Autism Spectrum Disorder	
or CNS 552	Testing and Assessment in Counseling	
or CNS 567	Mental Health Diagnosis and Treatment in Counseling	
or SWRK 623	Social Work Clinical Assessment and Intervention	
PSY 642	Clinical Interviewing and Psychotherapy	3
PSY 701	History and Systems of Applied Psychology	3
PSY 741	Family Systems in Therapy	3
or CNS 588	Family Systems Counseling	
PSY 751	Clinical Psychopharmacology	3
PSY 777	Foundations of Supervision	3
PSY 791	Advanced Psychology Practice	3
PSY 799	Dissertation in Psychology	6
PSY 801	The Profession of Clinical Psychology	3
PSY 862	Advanced Psychotherapy Interventions	3
PSY 877	Advanced Clinical Supervision	3
PSY 895	Pre-Doctoral Internship	6
<b>Total Hours</b>		<b>96</b>

### Clinical Concentration (MA to PsyD) (48 hours)

Code	Title	Hours
<b>Required Courses</b>		
ADED 515	How Adults Change	3
or CNS 557	Human and Family Development in Counseling	
EDFN 740	Intermediate Statistics and Design	3
or EDFN 744	Seminar in Advanced Research Methods	
PSY 561	Advanced Assessment in Educational Settings	3
or PSY 643	Academic Assessment and Intervention	
or PSY 647	Addictions: Assessment, Diagnosis and Treatment Planning	
or PSY 766	Assessment of Autism Spectrum Disorder	
or CNS 552	Testing and Assessment in Counseling	
or CNS 567	Mental Health Diagnosis and Treatment in Counseling	
or SWRK 623	Social Work Clinical Assessment and Intervention	
PSY 642	Clinical Interviewing and Psychotherapy	3
PSY 701	History and Systems of Applied Psychology	3
PSY 741	Family Systems in Therapy	3
or CNS 588	Family Systems Counseling	
PSY 751	Clinical Psychopharmacology	3

PSY 777	Foundations of Supervision	3
PSY 791	Advanced Psychology Practice	3
PSY 799	Dissertation in Psychology	6
PSY 801	The Profession of Clinical Psychology	3
PSY 862	Advanced Psychotherapy Interventions	3
PSY 877	Advanced Clinical Supervision	3
PSY 895	Pre-Doctoral Internship	6
<b>Total Hours</b>		<b>48</b>

### School Psychology Concentration (51 hours)

Code	Title	Hours
<b>Required Courses</b>		
ADED 515 or CNS 557	How Adults Change Human and Family Development in Counseling	3
EDFN 740 or EDFN 744	Intermediate Statistics and Design Seminar in Advanced Research Methods	3
PSY 520	Individual Differences and Human Diversity	3
PSY 640	Psychopathology	3
PSY 701	History and Systems of Applied Psychology	3
PSY 741 or CNS 588	Family Systems in Therapy Family Systems Counseling	3
PSY 751	Clinical Psychopharmacology	3
PSY 777	Foundations of Supervision	3
PSY 785	Doctoral Seminar in School Psychology	3
PSY 791 or PSY 792	Advanced Psychology Practice Advanced Practicum in School Interventions	3
PSY 799	Dissertation in Psychology	6
PSY 895	Pre-Doctoral Internship	6

#### Specialization

Select a specialization option 9

##### Therapies and Interventions with Children

CNS 569	Play Therapy	
CNS 611	Advanced Play Therapy	
CNS 612 or CNS 613	Expressive Arts Techniques in Counseling Sandtray Techniques in Counseling	

OR

##### Autism Spectrum Disorders

PSY 766	Assessment of Autism Spectrum Disorder	
SPED 610	Characteristics of Low Incidence Disorders	
SPED 618	Social Skills Instruction & Behavioral Programming for Students with Disabilities	

OR

##### Educational Leadership

Select three of the following

EDAD 585	Fundamentals of School Administration	
EDAD 620	Seminar in Administration of Special Education	
EDAD 630	Special Education Law and Finance	
EDAD 640	Introduction to School Leadership	
EDAD 659	Strategic Planning in Education	
EDAD 677	Legal Issues for Professional Educators	
EDAD 684	Instructional Leadership	
<b>Total Hours</b>		<b>51</b>

## Psychology, Master of Arts (092)

### Program Coordinator

Frederick G. Grieve, rick.grieve@wku.edu, (270) 745-4417

This program prepares students to pursue careers in clinical psychology and/or to enter a doctoral program. M.A. graduates are eligible in Kentucky for licensure as Psychological Associates.

### Concentrations

- Clinical (MACL)

### Program Admission

Program admission is based on a comprehensive evaluation of a candidate's application file and an interview. Applicants must submit:

1. Minimum GRE scores of 142 Verbal, 142 Quantitative, and 4.0 Analytic Writing<sup>1</sup>
2. Undergraduate transcript of an earned undergraduate degree with a minimum of 18 hours of psychology coursework including statistics or research methods (3 hrs), abnormal (preferred) or personality psychology (3 hrs) with a minimum cumulative grade point average (GPA) of 2.75 and 3.00 in psychology coursework
3. Three letters of recommendation from professionals attesting to the applicant's potential for success in the program
4. Personal statement describing professional interests, expectations for the degree, and career goals
5. Resume or curriculum vita
6. Psychology Department application
7. Criminal background check

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

### Program Requirements (48 hours)

The clinical psychology program prepares students to be successful performing both research and therapy. The degree offers a broad foundation for the professional who will render a wide variety of psychological services at the MA level and/or prepare students to pursue further education at the doctoral level. Clinical psychology graduates have the credentials necessary to pursue licensure in the state of Kentucky. Practicum and internship (9 hours) are required. There is a thesis and a non-thesis option. A criminal background check will be required of successful applicants during the first semester of graduate study at the applicant's expense. Grades lower than B may

not be used to satisfy requirements for courses in the clinical training sequence (PSY 560, PSY 640, PSY 641, and PSY 660), or practicum and internship (PSY 562, PSY 592, and PSY 662). Practicum/internship sites may have additional requirements before allowing students to complete placements; these might include, but are not limited to, vaccinations, additional background checks, and health screenings.

Code	Title	Hours
<b>Required Courses</b>		
EDFN 500 or EDLD 722	Research Methods Measurement and Survey Methods for Educational Leaders	3
EDFN 501 or EDLD 712	Educational Statistics Research Methods and Design for Educational Leaders	3
PSY 511	Psychology of Learning	3
PSY 520	Individual Differences and Human Diversity	3
PSY 541	Professional Issues and Ethics in Psychology	3
PSY 560	Assessment of Individual Intellectual Functioning:Theories and Issues	3
PSY 562	Practicum in Psychological Assessment	3
PSY 640	Psychopathology	3
PSY 641	Theories of Psychotherapy	3
PSY 646	Social Psychology for Applied Practice	3
PSY 651	Clinical Neuropsychology for Applied Psychologist	3
PSY 660	Assessment of Personality and Socio-Emotional Functioning	3
PSY 662	Practicum in Psychology	3
PSY 592	Psychology Internship	3
PSY 590 or PSY 599	Readings of Research Psychology (3 hours AND 3 hour elective approved by advisor for nonthesis option. ) Thesis Research	6
<b>Total Hours</b>		<b>48</b>

## School Psychology, Specialist in Education (147)

### Program Coordinator

Sarah E. Bonis, sarah.bonis@wku.edu, (270) 745-4414

School psychologists are members of teams that strive to enhance students' ability to learn in public school systems. The program uses knowledge and skills from the fields of psychology and education to provide specialized preparation to engage in a variety of roles related to special education services, data collection and analysis, consultation, crisis preparedness and response, mental health services, and academic and behavioral interventions. The program emphasizes the application of knowledge through supervised experiences in the psychology department's clinic and through practicum and internship placements

in the public schools. After the required coursework, a 1200-hour (minimum) internship must be completed.

## Program Admission

Applicants should have at least 12 semester hours of coursework in Psychology and a minimum undergraduate GPA of 3.0. Applicants should send three letters of recommendation, the psychology department application form and the graduate application form to the Graduate Studies.

Beyond these stated minimum requirements, selection is competitive. A criminal background check, TB test, and physical exam will be required of successful applicants during the first semester of graduate study at the applicant's expense.

## Graduate School Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate School admission requirements.

## Program Requirements (66 hours)

Code	Title	Hours
<b>Required Courses</b>		
PSY 509	Foundations of School Psychology	3
PSY 510	Advanced Educational Psychology	3
PSY 511	Psychology of Learning	3
PSY 514	Program Evaluation and Research Methods	3
PSY 519	Psychological Perspectives on Classroom Behavior	3
PSY 540	Behavior Problems of Childhood and Adolescence	3
PSY 541	Professional Issues and Ethics in Psychology	3
PSY 545	Clinical Child Psychology: Theory and Practice	3
PSY 560	Assessment of Individual Intellectual Functioning:Theories and Issues	3
PSY 561	Advanced Assessment in Educational Settings	3
PSY 562	Practicum in Psychological Assessment	3
PSY 592	Psychology Internship	6
PSY 625	Seminar in School Psychology	3
EDFN 501 or PSY 617	Educational Statistics Reading and Understanding Statistics in Psychology	3
PSY 641	Theories of Psychotherapy	3
PSY 643	Academic Assessment and Intervention	3
PSY 645	Consultation in Educational and Mental Health Settings: Theory and Practice	3
PSY 662	Practicum in Psychology	6
PSY 699	Specialist Project	6
<b>Total Hours</b>		<b>66</b>

# School of Leadership and Professional Studies

Marguerita DeSander, Director  
Gary A. Ransdell Hall 3086  
(270) 745-4890

The School of Leadership and Professional Studies offers programs designed to prepare school personnel for effective leadership in P-12 schools. The curricula meets professional certification standards in school administration. The department also provides educational foundations courses that give graduate students a greater understanding of their roles and the function of educational institutions in society.

Course work associated with degree programs at Western Kentucky University may be used to meet certification requirements established by the Commonwealth of Kentucky; however, the Commonwealth may institute changes in certification requirements at any time. When the Commonwealth initiates such changes, students seeking certification may be required to modify their courses/experiences to meet the new certification requirements.

Students wishing to pursue one of the non-degree programs must make application to Graduate Studies. Upon completion of the program, individuals must contact the Office of Professional Educator Services in the College of Education and Behavioral Sciences. That official then certifies to the Kentucky Education Professional Standards Board that rank requirements have been met.

## Programs

- Certification Only, Education Leadership (131) (p. 45)
- Educational Leadership, Doctor of Education (0010) (p. 48)
- Instructional Leadership, School Principal, MAE (0499) (p. 49)
- Organizational Leadership, Certificate (1723) (p. 50)
- Organizational Leadership, MA (0467) (p. 50)
- School Administration, Rank 1 (121) (p. 53)

## Faculty

### Professor

Marguerita K. Desander PhD (Ed Policy/Plan/Ldsp), College of William and Mary, 2005

Gary W. Houchens PhD (Educational Leadership & Organizational Development), University of Louisville, 2008

### Associate Professor

Lester A. Archer PhD (Educ Leadership/Research), Louisiana State University & A&M College, 2017

Kimberlee K. Everson PhD (Educ Inquiry, Measurement, & Evaluation), Brigham Young University, 2012

Stacy R. Leggett EdD (Educational Administration), George Washington University, 2015

### Assistant Professor

Tanja N. Bibbs PhD, University of Kentucky, 2019

Nicholas L. Brake PhD (Educational Administration), University of Louisville, 2003

William W. Cottongim EdD (Educational Leadership), Western Kentucky University, 2012

Laura M. Hudson EdD (Curriculum and Instruction), Liberty University, 2015

### Pedagogical Assistant Professor

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

Will R. Perry EdD, Lipscomb University, 2017

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

### Instructor I

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

Dawn M. Winters EdD, Western Kentucky University, 2015

## Certification Only, Education Leadership (131)

### Program Coordinator

Stacy R. Leggett, stacy.leggett@wku.edu, (270) 745-2942

The Certification Only, Education Leadership program is specific to the concentration selected (concentration codes shown in parentheses below).

### Director of Pupil Personnel Services, Endorsement (KDP1 and KDP2)

The Director of Pupil Personnel (DPP) is one of the two legally mandated positions for a school district. The DPP usually deals with such issues as student attendance, student conduct codes, school calendars, and student services.

Completing a planned Fifth/Sixth-Year program may not be counted by states other than Kentucky in determining pay status. The Director of Pupil Personnel Services position is unique to Kentucky, and Kentucky's manifestation is not found in other places. Other states may seek a counseling or social work background for student services, not a Director of Pupil Personnel Services with attendance duties as in Kentucky.

### Director of Special Education, Endorsement (KDS1 and KDS2)

The 24-hour, Level I program leads to eligibility for administrative certification as a Level I Director of Special Education (KDS1), renewable with completion of the 6-hour, Level II Director of Special Education program (KDS2).

### School Principal, Endorsement (KP1 and KP2)

The Principal Preparation Program is a certification program preparing educators to serve in principal, assistant principal, and other administrator roles.

WKU also offers an EPSB-approved alternative route to principal certification, with eligibility and application procedures as follows:

1. Candidates must first apply to WKU Graduate Studies for admission to the university - <https://www.wku.edu/graduate/>.
2. Following university admission, candidates should contact the School of Leadership and Professional Studies for program-specific application and admission guidelines by calling 270-745-4890.
3. After program admission, the candidate will work with an advisor to submit a program of study to the Office of Professional Educators Services for approval.
4. A letter is then issued by WKU stating that the student is currently enrolled in the principal program. At this time, the candidate may be

offered a principal or assistant principal position by a district and is eligible to participate in the alternative route program.

5. If the candidate is offered the position, the district superintendent must provide written verification to the candidate.
6. The candidate will email employment verification to the program coordinator and submit a CA-TP to the Office of Professional Educator Services through EPSB's portal. SLPS will issue the student a mentor agreement that must be completed by the student, the student's university mentor, and the student's district mentor.
7. The Office of Professional Educator Services will sign and verify the candidate's enrollment in the Alternate Route to Principal Certification program. The completed application will be uploaded to EPSB. The student will be notified when their certificate is ready.
8. The student must request that an electronic transcript be sent directly to EPSB. The transcript request can be completed through TOPNET. All transcript request questions need to be directed to the registrar's office.

### Superintendent, Endorsement (KST)

The professional certificate for school administration and supervision may be endorsed for the position of school superintendent when the candidate has met the following conditions:

1. Completed two years of full-time experience in a school administrative position and
2. Completed a minimum of thirty (30) semester hours of graduate credit above the bachelor's degree in (an) approved certification program(s), including EDAD 639 (<http://catalog.wku.edu/search/?P=EDAD 639>), EDAD 649 (<http://catalog.wku.edu/search/?P=EDAD 649>), E (<http://catalog.wku.edu/search/?P=EDAD 659>) DAD 507, and EDAD 598 (<http://catalog.wku.edu/search/?P=EDAD 598>).

**Alternate Route to Superintendent Certification Program.** The alternate route program enables the district to consider the best candidates for the positions of superintendent or assistant superintendent, including candidates who have not previously completed requirements for the superintendent's certification endorsement or are otherwise not eligible for certification under traditional program guidelines. Alternate route admission requirements include:

1. A letter from the employing district signed by the superintendent and/or board chairman must be sent to WKU indicating the desire to employ the named candidate as an assistant superintendent or superintendent and requesting the named candidate to be admitted to the Alternate Route to Superintendent Certification program.
2. The candidate must submit an application for admission that includes all requested information pertaining to education and experience.
3. The department admissions committee will review the request and application and determine if the candidate is eligible for admission, and what, if any, additional requirements must be met.
4. If admitted, the candidate is eligible to be interviewed for a superintendent or assistant superintendent position.
5. If employed, the candidate is eligible for a two-year, Temporary Provisional Certificate endorsement for Superintendent. The candidate must submit a CA-1 to get the endorsement.
6. The candidate has two years to complete all remaining program requirements. Upon completion, the candidate is eligible for a standard certificate endorsement.

### Supervisor of Instruction, Endorsement (ILV1 and ILV2)

Applicants seeking certification for Supervisor of Instruction should be aware that all states may not offer reciprocity.

## Program Admission

Admission to the Certification-Only Education Administration program is specific to the concentration selected (concentration codes shown in parentheses below).

### Director of Pupil Personnel Services (KDP1 and KDP2)

- Current, valid teaching certificate
- Three years of full-time appropriate teaching experience
- Master's degree or Rank 2 from an accredited institution
- GPA of 3.0 or higher on all graduate work
- Letter of reference and support from supervisor
- Program admissions application

### Director of Special Education (KDS1 and KDS2)

- Current, valid teaching certificate for exceptional children or as a school psychologist
- Three years of full-time teaching experience with exceptional children or as a school psychologist
- Master's degree or Rank 2 from an accredited institution
- 3.0 GPA or above on all graduate coursework
- Letter of reference and support from supervisor
- Program admissions application

### School Principal (KP1 and KP2)

- Current, valid teaching certificate
- Three years of full-time appropriate teaching experience
- GPA of 3.0 or higher
- Letter of reference and support from supervisor
- Program admissions application

### Supervisor of Instruction (ILV1 and ILV2)

- Current, valid teaching certificate
- Three years of full-time appropriate teaching experience
- Master's degree or Rank 2 from an accredited institution
- GPA of 3.0 or higher on all graduate work
- Letter of reference and support from supervisor
- Program admissions application

### Superintendent (KST)

- Current, valid teaching certificate that includes ILV1 and ILV2 (SOI Level 1 and 2) or KP1 and KP2 (Principal Level 1 and Level 2)
- Master's degree
- GPA of 3.0 or higher on all graduate work
- Two years of administrative experience
- Portfolio

## Program Requirements

Program requirements for the Certification-Only Education Administration program are specific to the concentration selected (concentration codes shown in parentheses below).

### Director of Pupil Personnel Services, Endorsement (KDP1 and KDP2)

Code	Title	Hours
<b>Level I Requirements (24 hours)</b>		
EDAD 602	Introduction to School Leadership	3
EDAD 603	School Law and Policy	3
EDAD 604	Creating a Culture of Achievement	3
EDAD 605	Leading a Community of Learners	3
EDAD 606	Leading Learning Systems	3
EDAD 608	Resource Management for Equitable Outcomes	3
SPED 516	The Exceptional Child: Perspectives and Issues for Educational Leaders	3
EDAD 583	Accounting for Pupil Personnel	3
<b>Level II Requirements (6 hours)</b>		
EDAD 686	District-level Supervision	3
EDAD 610	Clinical Experiences in Educational Administration	3
<b>Total Hours</b>		<b>30</b>

### Director of Special Education, Endorsement (KDS1 and KDS2)

Code	Title	Hours
<b>Level I Requirements (24 hours)</b>		
SPED 518	Seminar: Contemporary Challenges in Special Education	3
EDAD 602	Introduction to School Leadership	3
EDAD 605 or EDAD 612 or SPED 612	Leading a Community of Learners Collaboration between Schools and Stakeholders for Individuals with Disabilities Collaboration between Schools and Stakeholders for Individuals with Disabilities	3
EDAD 606	Leading Learning Systems	3
EDAD 608	Resource Management for Equitable Outcomes	3
EDAD 686	District-level Supervision	3
SPED 625	Practicum in the Administration of Special Education	3
SPED 630	Special Education Law and Finance	3
<b>Level II Requirements (6 hours)</b>		
EDAD 604	Creating a Culture of Achievement	3
EDAD 610	Clinical Experiences in Educational Administration	3
<b>Total Hours</b>		<b>30</b>

### School Principal, Endorsement (KP1 and KP2)

A minimum of 30 semester hours is required; at least 15 hours must be WKU credit. Students must have previously completed a master's degree program, which would qualify for Rank II salary classification.

Code	Title	Hours
<b>Level I Requirements (24 hours)</b>		
EDAD 602	Introduction to School Leadership	3
EDAD 603	School Law and Policy	3
EDAD 604	Creating a Culture of Achievement	3
EDAD 605	Leading a Community of Learners	3
EDAD 606	Leading Learning Systems	3
EDAD 607	Developing Teacher Capacity	3
EDAD 608	Resource Management for Equitable Outcomes	3
EDAD 609	Leading School Improvement	3
<b>Level II Requirements (6 hours)</b>		
EDAD 597	Problems in Educational Administration and Supervision	3
EDAD 610	Clinical Experiences in Educational Administration	3
<b>Total Hours</b>		<b>30</b>

### Superintendent, Endorsement (KST)

Code	Title	Hours
Complete a minimum of sixty (60) semester hours of graduate credit above the bachelor's degree in an approved certification program, including the following.		
EDAD 639	The Superintendency	3
EDAD 649	School System Administration	3
EDAD 507	Educational Leadership Policies and Politics	3
EDAD 598	Field-Based Experience in Educational Administration	3

<sup>1</sup> Candidates should enroll concurrently with the first required course taken and will continue working concurrently with all three required courses. Students only register once for EDAD 598 (<http://catalog.wku.edu/search/?P=EDAD598>). Students will receive an "IP" grade for EDAD 598 (<http://catalog.wku.edu/search/?P=EDAD598>) until all requirements are met and the other three required courses are completed. All work should normally be completed within one year but must be completed within a maximum of two years.

### Supervisor of Instruction, Endorsement (ILV1 and ILV2)

Code	Title	Hours
<b>Level I Requirements (24 hours)</b>		
EDAD 594	Leading Innovative Educational Programs	3
EDAD 602	Introduction to School Leadership	3
EDAD 603	School Law and Policy	3
EDAD 604	Creating a Culture of Achievement	3
EDAD 606	Leading Learning Systems	3
EDAD 607	Developing Teacher Capacity	3
EDAD 608	Resource Management for Equitable Outcomes	3
SPED 516	The Exceptional Child: Perspectives and Issues for Educational Leaders	3
<b>Level II Requirements (6 hours)</b>		
EDAD 686	District-level Supervision	3



EDAD 610	Clinical Experiences in Educational Administration	3
<b>Total Hours</b>		<b>30</b>

## Educational Leadership, Doctor of Education (0010)

### Program Coordinator

Gary W. Houchens, gary.houchens@wku.edu, (270) 745-4999

The Ed.D. in Educational Leadership (edd@wku.edu) provides knowledge and skills for its graduates to become effective change agents within educational and education-related environments. The program is designed to prepare scholarly practitioners whose program content and experiences emphasize application to the real world.

The primary purpose of the program is to develop the ability of education and education-related organizational practitioners to obtain and synthesize knowledge for the solution of institutional problems and practices. The program provides value-added opportunities for candidates to develop breadth and depth in understanding leadership, policy, and applied research methodologies. In addition, program experiences contribute to the development of future leaders who will creatively generate new knowledge, critically conserve valuable and useful ideas, and responsibly transform those understandings through writing, teaching and application. The dissertation for all areas of emphasis is expected to contribute knowledge and understanding of a critical issue drawn from the candidate's field of practice and be applicable for improving educational organizations.

The Ed.D. in Educational Leadership:

1. encourages participants to become practitioner scholars by promoting skills and knowledge in practice-based settings and to gain scholarship and experience in applied behaviors;
2. provides opportunities to explore a range of career specialties in various settings so that participants can make sound career choices;
3. models interdisciplinary and inter-institutional collaboration through the program's management and accountability structures;
4. provides participants with leadership capacity to bring about changes that enhance organizational success; and
5. provides interdisciplinary research preparation focused on contextually based problems central to future global competitiveness.

This program is part of the Educational Administration, Leadership and Research department and is an interdisciplinary program involving faculty and courses from other departments throughout the university. More information may be found at <https://www.wku.edu/edd/>.

### Program Design

The EdD program was designed for working professionals and follows an executive format which allows students to enroll in courses year round. Students who register for six credit hours each semester for three semesters per year should be able to complete all coursework excluding dissertation hours within three calendar years.

## Program Admission

Intended candidates for the degree are individuals who have completed at least a master's degree (or other appropriate graduate degree), have demonstrated leadership capacity within their organizational settings, and/or are committed to enhancing their abilities to learn and to enhance the educational missions of their organizations and communities. Each student's academic background and professional experiences will be assessed at the time of admission.

Program admission is based on a holistic evaluation of the candidate's application file, which must include:

1. Submission of GRE scores. Those students who cannot provide scores or have never taken the GRE may be considered for admission through an alternative process. Contact the program director for more information.
2. Transcripts of all undergraduate and graduate course work;
3. Documentation of a master's degree (or other graduate degree) from an institution accredited by a nationally recognized accreditation organization;
4. Completed application;
5. Current (within 1 year of application deadline) resume or vita;
6. An in-depth personal statement including qualifications, rationale, and goals related to pursuing the WKU Ed.D. program;
7. Three current (within 1 year of application deadline) letters of recommendation from persons in a position to evaluate the applicant's potential for success in a doctoral program; and
8. Submission of a writing sample (requested during the admission review process) if applicants cannot provide GRE scores, took the GRE without the Analytical Writing portion, or if Analytic Writing score falls below preferred minimum.

International students who apply must submit the following additional documents for admission consideration:

1. Evidence of ability to communicate in English (as evidenced by a minimum of 570 on the paper based TOEFL; a minimum of 88 on the iBT TOEFL; a minimum of 7.0 on the IELTS; or a degree from an institution with English as the language of instruction.)

## Program Requirements (60 hours)

The program consists of 60 hours of graduate coursework. The program includes the following core coursework:

Code	Title	Hours
<b>Required Courses</b>		
EDLD 702	Educational Leadership Doctoral Program Orientation <sup>1</sup>	3
EDLD 710	Leadership Theories and Ethics	3
EDLD 720	Individual and Group Issues in Leadership	3
or EDFN 726	Change Theory and Practice	
EDLD 730	Leading the Organization	3
EDLD 712	Research Methods and Design for Educational Leaders	3
EDLD 722	Measurement and Survey Methods for Educational Leaders	3
EDLD 732	Program Evaluation for Educational Leaders <sup>2</sup>	3

or EDFN 603	Qualitative Research in Education	
or EDFN 703	Field Methods for Qualitative Research	
or EDFN 740	Intermediate Statistics and Design	
or EDFN 744	Seminar in Advanced Research Methods	
EDLD 798	Educational Leadership Doctoral Program Internship	3-6
EDLD 799	Dissertation Research <sup>3</sup>	9-12
<b>Personalized Learning Electives</b>		
With program director or advisor approval, select courses to support intellectual and professional development and career goals		21-27
<b>Total Hours</b>		<b>60</b>

<sup>1</sup> Taken during the first semester after admission to the program.

<sup>2</sup> Students choosing to complete a qualitative dissertation must have EDFN 603 or course equivalent on their Program of Study. Other research course options allow for in-depth statistical preparation aligned with students' dissertation methodology.

## Program Completion

To complete the program, students must propose, complete, and successfully defend a dissertation.

### Experiential Credit Recommendation

Students admitted to the Ed.D. in Educational Leadership program may apply to receive graduate credit for successful completion of the National Board Certified Teacher process. Those approved will receive up to six (6) hours of credit for EDU 695 (<http://catalog.wku.edu/search/?P=EDU%20695>). To be eligible to receive credit, students must document that they:

- have been admitted to the Ed.D. program; and
- hold current National Board Certification status.

In both cases, the student must submit an application form to the Ed.D. Director, who will consider whether to approve the application and then determine the number of EDU 695 (<http://catalog.wku.edu/search/?P=EDU%20695>) hours to credit to the student's program. The hours may not be substituted for required courses in the program, and no more than 12 credit hours of EDU 695 (<http://catalog.wku.edu/search/?P=EDU%20695>) may be listed on the student's program.

For NBCT-related applicants, once a recommendation for the awarding of hours for NBCT completion is approved by the EdD Program Director, the student must arrange for the American Council on Education (ACE) to send an official transcript documenting the student's NBCT status to the WKU Graduate School so that the credit may be entered on the student's transcript. No charge will be assessed by WKU for posting these credits

## Instructional Leadership, School Principal, MAE (0499)

### Program Coordinator

Stacy R. Leggett, [stacy.leggett@wku.edu](mailto:stacy.leggett@wku.edu), (270) 745-2942

The Master of Arts in Education, Instructional Leadership, School Principal program requires 30 hours of coursework and leads to eligibility for initial principal certification (Level I, KP1).

### Principal Certification, Option 6 (Alternative Route)

Kentucky Senate Bill #77 made it possible for higher education institutions with approved school administration certification programs to provide an alternative route to certification programs upon application and approval by the Education Professional Standards Board (EPSB). Western Kentucky University (WKU) has an EPSB-approved Alternate Route to Principal Certification program, with eligibility and application procedures as follows:

Under the provisions of Senate Bill #77 and state regulations, Western Kentucky University established procedures for the alternate route program as follows:

1. Candidates must first apply to WKU Graduate Studies for admission to the university - <https://www.wku.edu/graduate/>
2. Following university admission, candidates should contact the School of Leadership and Professional Studies (SLPS) for program-specific admissions guidelines and application requirements by calling 270-745-4890.
3. After program admission, the candidate will work with an advisor to submit a program of study to the Office of Professional Educators Services for approval.
4. A letter is then issued by WKU stating that the student is currently enrolled in the principal program; at this time the candidate may be offered a principal or assistant principal position by a district and is then eligible to participate in the Option 6 alternative route program.
5. If the candidate is offered the position, the district superintendent must provide verification of employment to WKU and the candidate.
6. The candidate will submit the verification of employment to the SLPS and a CA-TP to the Office of Professional Educator Services. SLPS will issue the student a mentor agreement that must be completed by the student, the student's university mentor and the student's district mentor. This can be emailed along with the completed CA-TP application to [teacher.certification@wku.edu](mailto:teacher.certification@wku.edu).
7. The Office of Professional Educator Services will sign and verify the enrollment of the candidate in the Alternate Route to Principal Certification program. The completed application will be uploaded to EPSB and the student will be notified when it has been processed and their certificate is ready to download/print.
8. The student must request that an electronic transcript be sent directly to EPSB. The transcript request can be completed through Topnet. All transcript request questions need to be directed to the Registrar's Office.

## Program Admission

Admission to the Master of Arts in Education, Instructional Leadership, School Principal program is described below.

- A bachelor's degree with a GPA of 3.0 or higher
- Current, valid teaching certificate
- Three years of full-time, appropriate teaching experience
- GPA of 3.0 or higher on all graduate work

- [Letter of reference and support from the supervisor](#)
- [Program admissions application including leadership statement and essay](#)

## Program Requirements (30 hours)

Code	Title	Hours
<b>Required Courses</b>		
EDAD 602	Introduction to School Leadership	3
EDAD 603	School Law and Policy	3
EDAD 604	Creating a Culture of Achievement	3
EDAD 605	Leading a Community of Learners	3
EDAD 606	Leading Learning Systems	3
EDAD 607	Developing Teacher Capacity	3
EDAD 608	Resource Management for Equitable Outcomes	3
EDAD 609	Leading School Improvement	3
EDAD 610	Clinical Experiences in Educational Administration	6
<b>Total Hours</b>		<b>30</b>

Filing a TC-1 requesting Rank II requires completion of a minimum of 30 semester hours of graduate credit. Within these total hours the student must complete the required professional courses as outlined in a planned program designed to provide the student with appropriate administrative competencies and courses required for certification.

## Organizational Leadership, Certificate (1723)

### Program Coordinator

Tanja N. Bibbs, bibbstn@wku.edu, (270) 745-5305

The Organizational Leadership Certificate program allows students to enhance their understanding of leadership theory and practice. The academic requirements offer students a common basic curriculum of leadership theory, approaches, and constructs at the graduate level. Additionally, the program allows the student to choose an elective to focus in a specific area of organizational leadership. Substitutions for these courses may be made with consent of the advisor.

## Program Admission

### Graduate School Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate School admission requirements.

Students who earned or will earn a master's degree in Organizational Leadership will not be considered for admission into the Organizational Leadership Certificate.

## Program Requirements (12 hours)

## Program Requirements (12 hours)

Code	Title	Hours
<b>Required Courses</b>		
LEAD 500	Effective Leadership Studies	3
LEAD 525	Leadership Ethics	3

LEAD 550	Leadership in Global Context	3
<b>Electives</b>		
Select 3 hours of advisor approved electives <sup>1</sup>		3
LEAD 530	Organizational Change	
LEAD 540	Leading Teams	
LEAD 560	Applied Research Methods in Organizational Leadership	
LEAD 565	Leadership Coaching within Organizations	
LEAD 575	Leadership Special Topics	
LEAD 580	Leading Organizations	
LEAD 595	Contemporary Issues in Leadership	
<b>Total Hours</b>		<b>12</b>

<sup>1</sup> Other electives may be used with approval by advisor.

## Organizational Leadership, MA (0467)

### Program Coordinator

Tanja N. Bibbs, bibbstn@wku.edu, (270) 745-5305

The Masters of Arts in Organizational Leadership is designed to meet needs of diverse students by providing professional education that is broadly based upon knowledge and research from business, communication, organizational functions, psychology, political science, and aspects of leadership to include theories, approaches, models, and constructs. The program emphasizes application: students have the opportunity to develop and refine leadership skills applicable to a variety of modern organizations within both the public and private sector. Additionally, the program allows the student to choose a defined program focus area using electives that will count towards a second credential - a graduate certificate. (Electives outside pre-approved curriculum may be utilized within the degree program with prior approval of the faculty).

## Joint Undergraduate Master's Program (JUMP)

This degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

## Program Admission

Please refer to the admission section (<https://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate School admission requirements.

Students who have a baccalaureate degree from a regionally accredited university or college with an overall GPA of 2.5 to 2.74 may apply for conditional admission.

## Program Requirements (30 hours)

Code	Title	Hours
<b>Required Courses</b>		
LEAD 500	Effective Leadership Studies	3
LEAD 560	Applied Research Methods in Organizational Leadership	3

or EDFN 500	Research Methods		BA 548	Sustainability Marketing
LEAD 525	Leadership Ethics	3	CNS 500	College and Career Readiness Foundations
LEAD 540	Leading Teams	3	CNS 501	College and Career Consultation & Collaboration
or LEAD 565	Leadership Coaching within Organizations		CNS 502	College and Career Program Development & Evaluation
LEAD 580	Leading Organizations	3	CNS 503	Practicum in College and Career Readiness
LEAD 600	Capstone in Leadership Experience	3	CNS 555	Social and Cultural Diversity in Counseling
<b>Electives</b>			CNS 556	Developmental Career Counseling
Select 12 hours from the following: <sup>1</sup>		12	CNS 571	Introduction to Student Affairs in Higher Education
LEAD 530	Organizational Change		CNS 572	The College Student Experience
LEAD 550	Leadership in Global Context		CNS 574	Student Development in Higher Education
LEAD 565	Leadership Coaching within Organizations		CNS 577	Counseling Concepts and Applications for Student Affairs Professionals
LEAD 575	Leadership Special Topics		CNS 581	International Students and Services in Higher Education
LEAD 595	Contemporary Issues in Leadership		CNS 585	Leadership and Administration in Student Affairs
ADED 510	Introduction to Facilitating Change in Adults		CNS 593	Career Development in Student Affairs and Higher Education
ADED 515	How Adults Change		CNS 595	Internship
ADED 520	Facilitating Change Agency in Adults		CNS 603	Critical Issues and Strategies in Student Affairs and Higher Education
ADED 530	Program Planning for Adults and Learning Organizations		CNS 670	Parameters of Law in Student Affairs and Higher Education
LITE 508	Informatics in Education		CNS 675	Advanced Career Counseling and Services Administration
LITE 535	Survey of Educational Technology Practices		EMDS 500	Emergency Management Policy and Practices
LITE 537	Principles of Educational Technology Applications		EMDS 501	Understanding Natural and Technological Disaster Risks
LITE 545	Educational Technology Production		EMDS 502	Terrorism, Violence, Resiliency, and Response
LITE 547	Integration of Educational Technology		EMDS 503	Advanced Disaster Planning, Management, and Preparedness
LITE 550	Emerging Technology in Education		EMDS 504	Trends in Disaster Preparedness and Management
LITE 737	Educational Technology Leadership		BA 502	MBA Foundation Modules
RSA 534	Facility Management		BA 515	Managerial Accounting
RSA 536	Event Management		BA 519	Advanced Managerial Finance
RSA 538	Facility and Event Security Management		BA 510	Advanced Organizational Behavior
RSA 544	Practicum in Interscholastic Sport		BA 517	Advanced Marketing
RSA 554	Student-Athlete Development		BA 505	Survey of Accounting Principles
RSA 556	Governance in Intercollegiate Athletics		BA 592	Special Topics in Business
RSA 560	Issues in Nonprofit Administration		EGMT 520	Resource Management
RSA 565	Nonprofit Grant Writing and Fundraising		EGMT 540	Theory of Constraints
RSA 558	Compliance in Intercollegiate Athletics		EGMT 580	Six Sigma Quality
RSA 570	Fiscal Administration in the Nonprofit Sector		EGMT 590	Operations Leadership
RSA 585	Nonprofit Practicum			
RSA 590	Practicum in Recreation and Sport			
BA 545	Survey of Business Sustainability Issues			
BA 546	Sustainable Business Operations Management			
BA 547	Sustainability, Innovation, and Entrepreneurship			

EGMT 594	Lean Systems	PS 541	Human Resources Management in Public Administration
EGMT 655	Project Management	PS 550	Cultural Competencies for Public Administrators
EGMT 671	Quality Management	PS 554	Cross-Sector Collaboration & Conflict
COMM 523	Health Communication	PS 562	Public Policy Implementation & Evaluation
COMM 528	Communication in the Nonprofit Sector	ID 560	Instructional Design Foundations
COMM 531	Global Leadership Communication	ID 570	Systematic Instructional Design
COMM 553	Health Communication Campaigns	ID 572	Improvement Analysis in the Workplace
COMM 561	Multinational Organizational Communication	ID 577	Management of Instructional Systems
COMM 564	Crisis Communication	ID 583	Training Design and Development
COMM 566	Corporate & Organizational Advocacy	ID 585	Distance Education Opportunities and Challenges
COMM 568	Communication and Organizational Identification	ID 587	Trends and Issues in Instructional Design
COMM 571	Organizational Communication in the Digital Age	ID 588	Multimedia Design
COMM 578	Seminar in Interpersonal Communication	ECON 464G	Introduction to Mathematical Economics
COMM 581	Applied Organizational Communication	ECON 465G	Regression and Econometric Analysis
COMM 586	Process of Group Communication	ECON 506	Applied Statistical Methods
COMM 590	Intercultural Communication	ECON 507	Data Methods in Economics
EDFN 500	Research Methods	ECON 594	Forecasting
GERO 501	Perspectives in Aging	ECON 598	Independent Study Economics
GERO 503	Policy Foundations of Aging Services	ECON 596	Applied Economics Project
GWS 625	Women and Leadership	EOHS 510	Watershed Management and Science
HCA 540	Health Care Organization and Management	EOHS 550	Principles of Occupational Safety and Health
HCA 541	Strategic Management & Marketing of Health Services	EOHS 560	Environmental Management and Risk Assessment
PR 521	Public Relations in Recreation and Sport	EOHS 571	Air Quality Management
PR 543	Strategic Public Relations Writing for Sport	EOHS 572	Environmental and Occupational Epidemiology
PR 547	Issues in Sport Media Relations	EOHS 577	Environmental Toxicology
AD 536	Sport Branding: A New Game	EOHS 580	Solid and Hazardous Wastes
AD 537	Sport Sponsorships: New Revenue Strategies	EOHS 595	Public Health Management of Disasters
PH 548	Community Organizing in Public Health	CYSA 520	Principles of Cybersecurity for Data Analytics
PH 578	Health Inequities	CYSA 522	Cybersecurity Risk and Compliance
PH 564	Public Health Issues in Women's Health	CYSA 524	Cybersecurity Orchestration Using Data Analytics
PH 580	Public Health Foundations and Practice	BDAN 513	Contemporary Business Analytics
PH 581	Applied Methods in Public Health Practice/Field Epidemiology		
PH 584	Principles of Environmental Health		
PH 587	Health Behavior Theory		
PS 512	Kentucky Government and Politics		
PS 520	Elements of Public Administration		
PS 526	Local Government Administration		
PS 538	Public Service Ethics		
<b>Total Hours</b>			<b>30</b>

<sup>1</sup> With the approval of the instructor and based on prior academic experience, career aspirations, and/or matriculation concerns, students may select other electives.

# School Administration, Rank 1 (121)

## Program Coordinator

Stacy R. Leggett, stacy.leggett@wku.edu, (270) 745-2942

The School Administration, Rank I program is specific to the concentration selected (concentration codes shown in parentheses below). The 30-hour programs align with Kentucky EPSB requirements and may not be recognized by other states.

### Director of Pupil Personnel Services (KDP1 and KDP2)

This program leads to eligibility for administrative certification as a Level 1 and 2 Director of Pupil Personnel (DPP) and a Rank I.

### Director of Special Education (KDS1 and KDS2)

This program leads to eligibility for administrative certification as a Level 1 and 2 Director of Special Education (DOSE) and a Rank I.

### Supervisor of Instruction (ILV1 and ILV2)

This program leads to eligibility for administrative certification as a Level 1 and 2 Supervisor of Instruction (SOI) and a Rank I.

### School Principal (KP1 and KP2)

This program leads to eligibility for administrative certification as a Level 1 and 2 Principal and a Rank I.

### Alternative Route

WKU also offers an EPSB-approved alternative route to principal certification, with eligibility and application procedures as follows:

1. Candidates must apply to WKU Graduate Studies for admission to the university - <https://www.wku.edu/graduate/>.
2. Candidates should contact the School of Leadership and Professional Studies for program-specific application and admissions guidelines by calling 270-745-4890.
3. After admission to WKU Graduate Studies and the program, the candidate will work with an advisor to submit a program of study to the Office of Professional Educators Services for approval.
4. A letter is then issued by WKU stating that the student is currently enrolled in the principal program; at this time, the candidate may be offered a principal or assistant principal position by a district and is eligible to participate in the alternative route program.
5. If the candidate is offered the position, the district superintendent must provide written verification of employment to WKU and the candidate.
6. The candidate will email employment verification to the School of Leadership and Professional Studies and submit a CA-TP to the Office of Professional Educator Services.
7. The School of Leadership and Professional Studies will issue the student a mentor agreement to be completed by the student, the student's university mentor, and the student's district mentor. This can be emailed to teacher.certification@wku.edu.
8. The Office of Professional Educator Services will sign and verify the candidate's enrollment in the alternate route to the principal certification program. The completed application will be uploaded to EPSB. The student will be notified when their certificate is ready to download/print.

9. The student must request that an electronic transcript be sent directly to EPSB. The transcript request can be completed through TOPNET. All transcript request questions need to be directed to the registrar's office.

### Admission Requirements

Admission to the School Administration, Rank I program is specific to the concentration selected (concentration codes shown in parentheses below).

#### Director of Pupil Personnel Services (KDP1 and KDP2)

- Current, valid teaching certificate
- Three years of full-time appropriate teaching experience
- Master's degree or Rank 2 from an accredited institution
- 3.0 GPA or above for all graduate coursework
- Letter of reference and support from supervisor
- Program admissions application

#### Director of Special Education (KDS1 and KDS2)

- Current, valid teaching certificate for exceptional children or as a school psychologist
- Three years of full-time teaching experience with exceptional children or as a school psychologist
- Master's degree or Rank 2 from an accredited institution
- 3.0 GPA or above on all graduate coursework
- Letter of reference and support from supervisor
- Program admissions application

#### School Principal (KP1 and KP2)

- Current, valid teaching certificate
- Three years of full-time, appropriate teaching experience
- Master's degree or Rank 2 from an accredited institution
- GPA of 3.0 or higher on all graduate work
- Letter of reference and support from supervisor
- Program admissions application including leadership statement and essay

#### Supervisor of Instruction (ILV1 and ILV2)

- Current, valid teaching certificate
- Three years of full-time appropriate teaching experience
- Master's degree or Rank 2 from an accredited institution
- GPA of 3.0 or higher on all graduate work
- Letter of reference and support from supervisor

- Program admissions application

## Program Requirements (30 hours)

Program requirements for the School Administration, Rank I program are specific to the concentration selected (concentration codes shown in parentheses below).

Completing a planned Fifth/Sixth-Year program may not be counted by states other than Kentucky in determining pay status. The Director of Pupil Personnel Services position is unique to Kentucky, and Kentucky's manifestation is not found in other places. Other states may seek a counseling or social work background for student services, not a Director of Pupil Personnel Services with attendance duties as in Kentucky.

Filing a TC-1 requesting Rank I requires completion of a minimum of 60 semester hours of graduate credit including the master's degree. Within these total hours, the student must complete the required professional courses as outlined in a planned program designed to provide the student with appropriate administrative competencies and courses required for certification.

### Director of Pupil Personnel (KDP1 and KDP2)

Code	Title	Hours
<b>Required Courses</b>		
EDAD 602	Introduction to School Leadership	3
EDAD 603	School Law and Policy	3
EDAD 604	Creating a Culture of Achievement	3
EDAD 605	Leading a Community of Learners	3
EDAD 606	Leading Learning Systems	3
EDAD 608	Resource Management for Equitable Outcomes	3
EDAD 583	Accounting for Pupil Personnel	3
SPED 516	The Exceptional Child: Perspectives and Issues for Educational Leaders	3
EDAD 686	District-level Supervision	3
EDAD 610	Clinical Experiences in Educational Administration	3
<b>Total Hours</b>		<b>30</b>

### Director of Special Education (KDS1 and KDS2)

Code	Title	Hours
<b>Required Courses</b>		
EDAD 602	Introduction to School Leadership	3
EDAD 604	Creating a Culture of Achievement	3
EDAD 605	Leading a Community of Learners	3
or SPED 612	Collaboration between Schools and Stakeholders for Individuals with Disabilities	
or EDAD 612	Collaboration between Schools and Stakeholders for Individuals with Disabilities	
EDAD 606	Leading Learning Systems	3
EDAD 608	Resource Management for Equitable Outcomes	3
SPED 518	Seminar: Contemporary Challenges in Special Education	3
EDAD 686	District-level Supervision	3
SPED 630	Special Education Law and Finance	3

or EDAD 630	Special Education Law and Finance	
SPED 625	Practicum in the Administration of Special Education	3
EDAD 610	Clinical Experiences in Educational Administration	3
<b>Total Hours</b>		<b>30</b>

### School Principal (KP1 and KP2)

A minimum of 30 semester hours is required; at least 15 hours must be WKU credit. Students must have previously completed a master's degree program, which would qualify for Rank II salary classification.

Code	Title	Hours
<b>Required Courses</b>		
EDAD 602	Introduction to School Leadership	3
EDAD 603	School Law and Policy	3
EDAD 604	Creating a Culture of Achievement	3
EDAD 605	Leading a Community of Learners	3
EDAD 606	Leading Learning Systems	3
EDAD 607	Developing Teacher Capacity	3
EDAD 608	Resource Management for Equitable Outcomes	3
EDAD 609	Leading School Improvement	3
EDAD 610	Clinical Experiences in Educational Administration	3
EDAD 597	Problems in Educational Administration and Supervision	3
<b>Total Hours</b>		<b>30</b>

### Supervisor of Instruction (ILV1 and ILV2)

Code	Title	Hours
<b>Required Courses</b>		
EDAD 594	Leading Innovative Educational Programs	3
EDAD 602	Introduction to School Leadership	3
EDAD 603	School Law and Policy	3
EDAD 604	Creating a Culture of Achievement	3
EDAD 606	Leading Learning Systems	3
EDAD 607	Developing Teacher Capacity	3
EDAD 608	Resource Management for Equitable Outcomes	3
SPED 516	The Exceptional Child: Perspectives and Issues for Educational Leaders	3
EDAD 610	Clinical Experiences in Educational Administration	3
EDAD 686	District-level Supervision	3
<b>Total Hours</b>		<b>30</b>

## School of Teacher Education

Susan Keeseey, Director  
 Gary A. Ransdell Hall 1005  
 (270) 745-5414  
 ste.gradprograms@wku.edu

## Programs

- Advanced Behavior Management, Certificate (1736) (p. 55)
- Advanced Teacher Education, MAE (0500) (p. 56)
- Certification Only, Teacher Education (132) (p. 60)
- Elementary Education, Rank I (084) (p. 63)
- Elementary Math Specialization P-5, Certificate (0485) (p. 64)
- Gifted Education and Talent Development, Certificate (1764) (p. 65)
- Gifted Education and Talent Development, Master of Arts in Education (0482) (p. 65)
- Gifted Education/Talent Development & Advanced Instructional Practice, Specialist in Education (0503) (p. 68)
- Instructional Design, Certificate (0418) (p. 71)
- Instructional Design, Master of Science (0428) (p. 71)
- Interdisciplinary Early Childhood Education, Birth to Primary, for Initial Certification, Master of Arts in Teaching (0460) (p. 72)
- Interdisciplinary Early Childhood Education, Birth to Primary, Master of Arts in Education (0461) (p. 73)
- Interdisciplinary Early Childhood Education, Rank I (156) (p. 74)
- Libraries, Informatics, and Technology in Education, Master of Science (0497) (p. 75)
- Literacy Education, Master of Arts in Education (044) (p. 76)
- Literacy in Post-Secondary Settings, Certificate (0462) (p. 76)
- Literacy P-12, Certificate (1750) (p. 77)
- Middle Grades Education for Initial Certification, Master of Arts in Teaching (0458) (p. 77)
- Middle Grades Education, Rank I (158) (p. 79)
- Secondary Education, Rank I (124) (p. 79)
- Secondary Education, Rank II (0432) (p. 80)
- Special Education for Initial Certification, Master of Arts in Teaching (0456) (p. 81)
- Special Education for Learning and Behavior Disorders, Master of Arts in Education (0457) (p. 82)
- Special Education for Moderate and Severe Disabilities, Master of Arts in Education (0438) (p. 83)
- Teacher Education for Initial Certification, MAT (0495) (p. 83)

## Faculty Professor

Martha M. Day EdD (Administration & Supervision), Tennessee State University, 1998

Jeanine M. Huss PhD (Environmental Science), Oklahoma State University Main Campus, 2007

Pamela M. Jukes EdD (Instruction and Administration), University of Kentucky, 1997

Andrea Paganelli PhD (Instructional Leadership), The University of Alabama, 2010

Julia L. Roberts EdD, Oklahoma State University Main Campus, 1970  
Rebecca R. Stobaugh PhD (Educational Administration), University of Louisville, 2003

Janet L. Tassell PhD (Curriculum & Instruction), Indiana University-Bloomington, 2002

### Associate Professor

Nancy F. Hulan PhD (Curriculum and Instruction), University of Louisville, 2010

Susan Keeseey PhD (Physical Activity and Education Services), The Ohio State University Main Campus, 2012

Erin E. Margarella PhD (Curriculum and Instruction), University of South Florida, 2016

Julia A. Mittelberg PhD (Curriculum and Instruction), Kansas State University, 2014

Christina R. Noel PhD (Special Education), Vanderbilt University, 2013

Kandy C. Smith PhD (Education, Teacher Education), University of Tennessee, Knoxville, 2014

### Assistant Professor

Ellen G. Casale PhD (Special Education), Vanderbilt University, 2021

Jeremy R. Logsdon , ,

Leslee K. Tarbett EdD (Instr and Curr Leadership), University of Memphis, 2020

### Visiting Assistant Professor

Angela D. Nagel EdD (P-12 Leadership), Union University, 2019

### Clinical Associate Professor

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

### Instructor I

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

### Instructor II

Stephanie S. Jernigan EdD, Lipscomb University, 2022

Debra L. Noffsinger MAE (Exceptional Education), Western Kentucky University, 2011

Jennifer S. Sheffield EDS, Western Kentucky University, 2018

### Part-Time Faculty

Trudy M. Little MAE (Leadership), Lamar University, 2011

## Advanced Behavior Management, Certificate (1736)

### Program Coordinator

Janet L. Tassell, janet.tassell@wku.edu, (270) 745-5306

### Program Contact

Rachael Lee, rachael.lee@wku.edu (%20rachael.lee@wku.edu), (270) 745-2819

This certificate program offers five courses that specialize in behavior management techniques for school-aged children. Through the progression of the courses, candidates will learn how to define and assess problem behaviors, and develop evidence-based interventions to decrease problem behaviors and increase pro-social behaviors and improve academic outcomes. This certificate is appropriate for anyone working in a P-12 setting and may include classroom teachers, school counselors, speech pathologists, occupational therapists, paraprofessionals, and other school related personnel. It may also be beneficial to parents, camp counselors, and after-school personnel. The courses are written with content appropriate for varied supervision roles that school personnel working with P-12 students may encounter. There are a number of courses that have similar content in the Psychology Master's program; however, the proposed certificate is created for professionals who are not interested in pursuing a graduate degree in psychology, but are interested in learning about targeted behavior management techniques. This certificate is targeted for these diverse roles.



Program Admission

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (15 hours)

Code	Title	Hours
<b>Required Courses</b>		
SPED 501	Introduction to Applied Behavior Analysis	3
SPED 502	Positive Behavior Supports	3
SPED 503	Behavior Assessment	3
SPED 504	Instruction to Improve Behavior	3
SPED 505	Ethics Surrounding Behavior Issues	3
<b>Total Hours</b>		<b>15</b>

## Advanced Teacher Education, MAE (0500)

### Program Coordinator

Janet L. Tassell, [janet.tassell@wku.edu](mailto:janet.tassell@wku.edu), (270) 745-5306

### Program Contact

Rachael Lee, [rachael.lee@wku.edu](mailto:rachael.lee@wku.edu) (%20rachael.lee@wku.edu), (270) 745-2819

This program is designed to develop advanced educators who can positively impact student learning in their classrooms and schools. Courses and experiences include professional learning communities in which candidates interact with other graduate candidates from various content areas and grade levels to discuss and work on real world challenges and promising practices they encounter in schools.

The program is divided into two instructional components. The first component, professional education, provides 15 hours of study collaboratively developed between WKU and the administration of the specific school district in which the candidate is employed. This includes a study of education in positive behavioral supports, teaching strategies and curriculum development. The second component, the concentration, directs the candidate into an individual program in content, pedagogy, and/or areas of professional growth concurrent with the goals of each candidate.

This program is exempt from the maximum of 12 hours denoted in the Duplication of Coursework policy. All concentration hours may be duplicated on one additional graduate degree or certificate at the same level.

### Concentration(s)

- Addictions Education (ADED)
- Advanced Behavior Management (ABM)
- Agriculture (ATEA)
- Athletic Administration & Coaching (AAC)
- Chemistry (ATEC)
- College and Career Readiness (CCR)
- Earth Science (EASC)

- Elementary Education (ELED)
- Elementary Mathematics Specialist P-5 (KEM)
- English (ATEE)
- Environmental Education (KEV)
- Family and Consumer Science (FACS)
- Gifted and Talented Education (KE37)
- History (ATEH)
- Instructional Design (INDE)
- Instructional Computer Technology (KCT)
- Interdisciplinary Early Childhood Education (KIE)
- Literacy P-12 (ATEL)
- Middle Grades Education (MGED)
- Middle Grades Math (MGM)
- Secondary Education (SSED)
- Social Studies (ATES)
- Teacher Leader (KTLE)
- Teaching English to Speakers of Other Languages (TESOL) (KE36)
- Trauma Informed Care (TIC)

## Program Admission

Applicants must be accepted to WKU graduate studies and hold a valid teaching certificate. A copy of the certificate or statement of eligibility must be submitted with the application.<sup>1</sup>

<sup>1</sup> Applicants whose certificates have expired may be admitted, but they may enroll for only six hours before they must apply to the EPSB for re-issued certificates. After completion of six hours, a student admitted with an expired certificate must submit a copy of the re-issued certificate before being allowed to register for any additional courses.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30-37 hours)

During the program, students will complete 15 hours of coursework that are school-district driven and a minimum of 15 hours of specialization coursework chosen by the student. Students should consult with their advisors regarding course work to meet their professional goals.

Code	Title	Hours
<b>Required Courses</b>		
EDU 502	Positive Learning Environment	3
EDU 503	Professional Development Experience	6
or EDU 694	National Board for Certification Exploration and Support	
EDU 580	Advanced Special Topics	3
EDU 560	Capstone in Education	3
or TCHL 560	Capstone Project for Teacher Leadership	
Concentration Courses <sup>1,2</sup>		15-22
<b>Total Hours</b>		<b>30-37</b>

<sup>1</sup> For concentrations that are less than 15 hours, students will complete EDU 580 and/or an advisor approved elective to meet the 30 hour requirement for the degree.

<sup>2</sup> 18 hours in a content discipline are required for credentialing to teach at the postsecondary level.

## Concentrations

### Addictions Education (15 hours)

Code	Title	Hours
<b>Required Courses</b>		
CNS 637	Theories of Addiction	3
CNS 647	Addictions: Assessment, Diagnosis and Treatment Planning	3
CNS 667	Counseling Substance and Process Addictions	3
CNS, PSY, or SWRK graduate electives		6
<b>Total Hours</b>		<b>15</b>

### Advanced Behavior Management (15 hours)

Code	Title	Hours
<b>Required Courses</b>		
SPED 501	Introduction to Applied Behavior Analysis	3
SPED 502	Positive Behavior Supports	3
SPED 503	Behavior Assessment	3
SPED 504	Instruction to Improve Behavior	3
SPED 505	Ethics Surrounding Behavior Issues	3
<b>Total Hours</b>		<b>15</b>

### Agriculture (13 hours)

Code	Title	Hours
<b>Required Courses</b>		
AGRI 491G	Data Analysis and Interpretation	3
AGRI 528	Population Genetics	3
AGRI 590	Experimental Design	3
AGRI 598	Seminar	1
AGEC 561	Agricultural Production and Economics	3
<b>Total Hours</b>		<b>13</b>

### Athletic Administration and Coaching (18 hours)

Code	Title	Hours
<b>Required Courses</b>		
RSA 513	Recreation and Sport Administration	3
RSA 515	Recreation and Sport Facility Development	3
RSA 517	Legal Issues in Recreation and Sport	3
RSA 519	Fiscal Practices in Recreation and Sport	3
Select 6 hours from the following:		6
RSA 501	Research Methods in Recreation and Sport	

RSA 521	Public Relations in Recreation and Sport	
RSA 523	Theoretical Foundations of Recreation and Sport	
RSA 534	Facility Management	
RSA 536	Event Management	
RSA 538	Facility and Event Security Management	
RSA 542	Investigation of Current Interscholastic Athletics Issues	
RSA 543	Sports Medicine Administration for Interscholastic Athletics	
RSA 544	Practicum in Interscholastic Sport	
<b>Total Hours</b>		<b>18</b>

### Chemistry (15 hours)

Code	Title	Hours
<b>Required Courses</b>		
CHEM graduate courses <sup>3</sup>		15
<b>Total Hours</b>		<b>15</b>

### College and Career Readiness (15 hours)

Code	Title	Hours
<b>Required Courses</b>		
CNS 500	College and Career Readiness Foundations	3
CNS 501	College and Career Consultation & Collaboration	3
CNS 502	College and Career Program Development & Evaluation	3
CNS 503	Practicum in College and Career Readiness	3
CNS 556	Developmental Career Counseling	3
<b>Total Hours</b>		<b>15</b>

### Earth Science (15 hours)

Code	Title	Hours
<b>Required Courses</b>		
GEOS graduate courses		15
<b>Total Hours</b>		<b>15</b>

### Elementary Education (15 hours)

Code	Title	Hours
<b>Required Courses</b>		
ELED 503	Organization of Elementary School Curriculum	3
ELED 505	Mat/Meth/Math/EI Teach	3
ELED 506	Seminar in Elementary School Science	3
ELED 507	Advanced Materials and Methods in Social Studies	3
LTCY 519	Literacy Development and Instruction	3
<b>Total Hours</b>		<b>15</b>

**Elementary Mathematics Specialist P-5 (KEM) (15 hours)**

Code	Title	Hours
<b>Required Courses</b>		
ELED 571	Leadership, Math and Technology Education	3
ELED 572	Math and Technology Methods for Diverse Learners	3
ELED 573	Math and Technology Assessment	3
Select 6 hours from the following:		6
MATH 411G	Problem Solving for Elementary and Middle Grades Teachers <sup>4</sup>	
MATH 507	Number Systems for Elementary and Middle Grades Teachers	
MATH 508	Rational Number Concepts for Elementary and Middle Grades Teachers	
<b>Total Hours</b>		<b>15</b>

**English (15 hours)**

Code	Title	Hours
<b>Required Courses</b>		
ENG 510	Graduate Rhetoric and Writing	3
ENG 516	Literature and Pedagogy	3
Select 6 hours from the following: <sup>3</sup>		6
ENG 430G	19th Century American Literature	
ENG 457G	British Literature since 1900	
ENG 482G	Shakespeare	
ENG 488G	Victorian Literature & Culture	
ENG 489G	The British Novel	
ENG 490G	American Novel	
ENG 493G	American Poetry	
ENG 495G	Southern Literature	
ENG 497G	Women's Literature	
ENG 504	Studies in American Literature	
ENG 514	Studies in British Literature	
ENG 524	Studies in World Literature	
ENG 534	Studies in Genre	
ENG 586	Seminar in British Writers	
ENG 596	Seminar in American Writers	
Select 3 hours from the following: <sup>3</sup>		3
ENG 401G	Advanced Composition	
ENG 402G	Editing and Publishing	
ENG 410G	Composition Theory and Practice in Writing Instruction	
ENG 412G	Theories of Rhetoric and Persuasive Writing	
ENG 597	Special Topics in English	
<b>Total Hours</b>		<b>15</b>

**Environmental Education (KEV) (12 hours)**

Code	Title	Hours
<b>Required Courses</b>		
ENVE 520	Introduction to Environmental Education	3

ENVE 580	Instructional Strategies in Environmental Education	3
Select 6 hours from the following:		6
ENVE 585	Special Topics in Environmental Education	
EDU 570	Educational Assessment for P-12 Learners	
RSA 532	Environmental Education Resources	
REC 434G	Environmental Interpretation	
GEOS 507	Geographic Concepts and Skills for Teachers	
<b>Total Hours</b>		<b>12</b>

**Family and Consumer Science (15 hours)**

Code	Title	Hours
<b>Required Courses</b>		
FACS 510	Professional Development Seminar in Family and Consumer Sciences	3
FACS 511	Grant Writing for Child and Family Programs	3
FACS 550	Youth and Family Theory and Research	3
FACS 577	Child Development Theory and Research	3
EDFN 500	Research Methods	3
<b>Total Hours</b>		<b>15</b>

**Gifted and Talented Education (KE37) (12 hours)**

Code	Title	Hours
<b>Required Courses</b>		
GTE 536	Nature and Needs of Gifted, Creative, and Talented Students	3
GTE 537	Curriculum, Strategies, and Materials for Gifted Students	3
PSY 432G	Psychology of the Gifted and Creative	3
GTE 538	Practicum for Teachers of Gifted Students	3
<b>Total Hours</b>		<b>12</b>

**History (15 hours)**

Code	Title	Hours
<b>Required Courses</b>		
HIST graduate courses <sup>3</sup>		15
<b>Total Hours</b>		<b>15</b>

**Instructional Design (12 hours)**

Code	Title	Hours
<b>Required Courses</b>		
ID 560	Instructional Design Foundations	3
ID 570	Systematic Instructional Design	3
Select 6 hours from the following:		6
ID 572	Improvement Analysis in the Workplace	
ID 575	Special Topics in Instructional Design	

ID 577	Management of Instructional Systems	
ID 583	Training Design and Development	
ID 585	Distance Education Opportunities and Challenges	
ID 587	Trends and Issues in Instructional Design	
ID 588	Multimedia Design	
ID 590	Practicum in Instructional Design	
<b>Total Hours</b>		<b>12</b>

**Instructional Computer Technology (KCT) (12 hours)**

Code	Title	Hours
<b>Required Courses</b>		
LITE 535	Survey of Educational Technology Practices	3
LITE 537	Principles of Educational Technology Applications	3
LITE 508	Informatics in Education	3
Select 3 hours from the following:		
LITE 545	Educational Technology Production	
LITE 547	Integration of Educational Technology	
LITE 550	Emerging Technology in Education	
LITE 737	Educational Technology Leadership	
<b>Total Hours</b>		<b>12</b>

**Interdisciplinary Early Childhood Education (KIE) (15 hours)**

Code	Title	Hours
<b>Required Courses</b>		
IECE 521	Assessment in Early Childhood Special Education	3
IECE 523	Planning Curriculum and Instruction in Interdisciplinary Early Childhood Education	3
IECE 524	Internship in Early Childhood Special Education	3
SPED 523	Curriculum/Methods in Early Childhood Special Education	3
SLP 517	Normal Language Development	3
<b>Total Hours</b>		<b>15</b>

**Literacy P-12 (15 hours)**

Code	Title	Hours
<b>Required Courses</b>		
LTCY 519	Literacy Development and Instruction	3
LTCY 523	Assessment and Intervention of Reading and Writing	3
LTCY 524	Content Area and Disciplinary Literacy	3
LTCY 527	Diversity and Equity in Literacy Education	3
LTCY graduate elective course		
<b>Total Hours</b>		<b>15</b>

**Middle Grades Math (15 hours)**

Code	Title	Hours
<b>Required Courses</b>		
MATH 508	Rational Number Concepts for Elementary and Middle Grades Teachers	3
MATH 506	Mathematical Applications for Middle Grades Teachers	3
MATH 504	Application of Technology to Problems in Mathematics	3
MATH 507	Number Systems for Elementary and Middle Grades Teachers	3
Select 3 hours from the following.		
MATH 501	Introduction to Probability and Statistics I	
MATH 409G	History of Mathematics	
MATH 514	Mathematical Modeling and Applications	
<b>Total Hours</b>		<b>15</b>

**Middle Grades Education (15 hours)**

Code	Title	Hours
<b>Required Courses</b>		
MGE graduate courses		15
<b>Total Hours</b>		<b>15</b>

**Secondary Education (15 hours)**

Code	Title	Hours
<b>Required Courses</b>		
SEC graduate courses		15
<b>Total Hours</b>		<b>15</b>

**Social Studies (15 hours)**

Code	Title	Hours
<b>Required Courses</b>		
HIST graduate courses or any courses below		15
ECON 505	Economics for Teachers	
ELED 570	Workshop - Elementary Education	
MGE 570	Workshop - Workshop in Middle School Education	
SEC 570	Workshop - Secondary Education <sup>3</sup>	
<b>Total Hours</b>		<b>15</b>

**Teacher Leader (KTLE) (16 hours)**

Code	Title	Hours
<b>Required Courses</b>		
TCHL 500	Foundations of Teacher Leadership	3
TCHL 530	Curriculum Development	3
TCHL 545	Classroom Instruction Strategies	3
TCHL 555	School and Classroom Assessment	3
TCHL 559	Capstone Project Design for Teacher Leadership	1
TCHL 560	Capstone Project for Teacher Leadership	3
<b>Total Hours</b>		<b>16</b>

### Teaching English to Speakers of Other Languages (TESOL) (KE36) (16-22 hours)

Code	Title	Hours
<b>Required Courses</b>		
ENG 407G	Linguistic Analysis	3
ENG 408G	Psycholinguistics and Sociolinguistics	3
ENG 565	Integrated Teaching English as a Second Language	3
ENG 566	Seminar in Teaching English as a Second Language	3
ENG 471G	TESL Practicum	4
6 hours of a foreign language (FREN, GERM, SPAN, MLNG, ARBC, CHIN, JAPN, RUSS) or fulfillment of the WKU Colonnade language requirements. At least one grammar or linguistics course completed at the undergraduate level.		0-6
<b>Total Hours</b>		<b>16-22</b>

### Trauma Informed Care (12 hours)

Code	Title	Hours
<b>Required Courses</b>		
CNS 588	Family Systems Counseling	3
CNS 557	Human and Family Development in Counseling	3
CNS 555	Social and Cultural Diversity in Counseling	3
CNS 669	Special Topics in Counseling and Guidance	3
<b>Total Hours</b>		<b>12</b>

<sup>3</sup> Additional program approval required.

<sup>4</sup> Students must complete MATH 411G unless MATH 411 was completed as an undergraduate student. If MATH 411 was completed, both MATH 507 and MATH 508 must be completed.

## Certification Only, Teacher Education (132)

#### Program Coordinator

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#### Program Contact

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Certification Only, Teacher Education is a non-degree seeking program for students seeking additional teacher certification in the following concentrations (concentration codes shown in parentheses below):

### Elementary Mathematics Specialist P-5, Endorsement (KEM)

The Elementary Mathematics Specialist P-5 Endorsement is designed to give professionals both a deep and practical knowledge of the content and pedagogy of elementary mathematics and skills for working with other professionals to develop their mathematical knowledge for teaching in P-5 settings.

### Environmental Education P-12, Endorsement (KEV)

Based on the National Standards of the North American Association for Environmental Education, this graduate endorsement program provides students with a knowledge of the fundamental characteristics and goals of the field of environmental education, knowledge of environmental processes and systems, and knowledge and skills of appropriate instructional strategies and assessment techniques associated with the delivery of high quality environmental education programs. This graduate endorsement program will enhance the abilities of teachers in integrating environmental education into their teaching, as well as into the curriculum of their school and school district. It is comprised of 12 graduate hours that can be incorporated into Rank I and Rank II programs. It involves two required courses and a variety of electives.

### Gifted and Talented Education P-12, Endorsement (KE37)

The endorsement for Gifted and Talented Education requires four courses: GTE 536, GTE 537, PSY 432G, and GTE 538. All of these except GTE 538 are offered online. Students may pursue the GTE endorsement as a stand-alone endorsement program or as part of a master's, Planned Fifth-Year/Rank II, or Planned Sixth Year/Rank I program.

### Instructional Computer Technology P-12, Endorsement (KCT)

The Instructional Computer Technology Endorsement P-12 for teachers will be included in the Master of Science in Libraries, Informatics, and Technology in Education program. This endorsement may also be completed as an emphasis in another master's degree in Education; as an emphasis in a planned fifth-year (Rank II) or planned sixth-year (Rank I) program; or as a certification-only program.

### Learning and Behavioral Disorders, Certification-Only (KLBD)

This certification program is designed to give special education professionals both a deep and practical knowledge of the content and pedagogy to teach students with Learning and Behavior Disorders (LBD) in P-12 settings. Candidates are expected to become competent in theory, research, and application of best teaching practices related to exceptional students with mild to moderate disabilities and exhibit appropriate teacher dispositions and behaviors.

### Library Media Education, Certification-Only (KLM)

The Library Media Education, Certification-Only program is designed to give professionals both a deep and practical knowledge of school libraries in P-12 settings. Candidates are expected to become competent in theory, research, and application of best practices related to school libraries.

### Moderate and Severe Disabilities, Certification-Only (KMS)

This certification program is designed to give certified teachers both a deep and practical knowledge of the content and pedagogy to teach students with Moderate and Severe Disabilities (MSD) in P-12 settings. Within the MSD certification program in Special Education, candidates are expected to become competent in theory, research, and application of best teaching practices related to exceptional students with Moderate and Severe Disabilities and exhibit appropriate teacher dispositions and behaviors.

## Teaching English as a Second Language (TESL), Endorsement (KE36)

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 coursework and the ESL Praxis test with a minimum score of 157. An overall GPA of 3.0 and grade of "B" or better must be earned in the required core classes.

## Teacher Leader, Endorsement (KTLE)

The Teacher Leader Endorsement is designed to develop Teacher Leaders who can positively impact student learning in their classrooms and schools. This endorsement is comprised of 16 hours of coursework that can count toward a master's degree, Rank II or Rank I certification, or other graduate program.

### Concentration(s)

- Elementary Math Specialist P-5 (KEM)
- Environmental Education (KEV)
- Gifted Education Endorsement (KE37)
- Interdisciplinary Early Childhood Education (KIE)
- Kentucky Computer Technology (KCT)
- Learning and Behavior Disorders (KLBD)
- Library Media Education (KLM)
- Moderate to Severe Disabilities (KMS)
- Teacher Leader Endorsement (KTLE)
- Teaching English as a Second Language Endorsement (KE36)

## Program Admission

Admission to the Certification Only, Teacher Education program is specific to the concentration selected (concentration codes shown in parentheses below).

## Elementary Mathematics Specialist P-5, Endorsement (KEM)

Applicants for the endorsement for Elementary Mathematics Specialist must have or be eligible for a teaching certificate for Elementary Education, Grades P-5. Applicants who wish to count the endorsement hours toward a master's degree or other graduate program must meet the eligibility requirements of that program.

## Environmental Education P-12, Endorsement (KEV)

Applicants for the Environmental Education endorsement must have or be eligible for a teaching certificate at the elementary level (IECE Birth to Primary or Elementary P-5), middle grades level (Grades 5-9), or secondary level (Grades 8-12, Grades 5-12, or Grades P-12). Students certified or eligible for certification in Special Education P-12 are also eligible for admission to the Environmental Education endorsement.

## Gifted and Talented Education P-12, Endorsement (KE37)

Applicants for the Gifted and Talented Education endorsement must have or be eligible for a teaching certificate at the elementary level (IECE Birth to Primary or Elementary P-5), middle grades level (Grades 5-9), or secondary level (Grades 8-12, Grades 5-12, or Grades P-12). Students certified or eligible for certification in Special Education P-12 are also eligible for admission to the Gifted and Talented Education endorsement.

## Instructional Computer Technology P-12, Endorsement (KCT)

Applicants for the Instructional Computer Technology endorsement must hold a teaching certificate in any area of teaching.

## Learning and Behavioral Disorders, Certification-Only (KLBD)

Applicants for the LBD Certification Program must have three years teaching experience and a current teaching certificate. Applicants who wish to count the certification hours toward an additional master's degree or other graduate program must meet the eligibility requirements of that program. Note that students who do not meet the prerequisites of the core required courses will be required to complete the prerequisites of the core required courses as deficiencies.

Kentucky applicants whose certificates have expired may be admitted, but they may enroll in no more than six hours before they apply to the Education Professional Standards Board (EPSB) for reissue of a Kentucky certificate. After the completion of six hours, a student admitted with an expired certificate must submit a copy of the re-issued certificate before being allowed to register for any additional courses. Applicants from out-of-state with expired certificates must complete the requirements for their respective states to renew their certificates and submit a copy of a current certificate.

## Library Media Education, Certification-Only (KLM)

- ALA accredited Master's degree in Library Science; OR
- Master's degree and current teaching certificate in any area

## Moderate and Severe Disabilities, Certification-Only (KMS)

Applicants for the MSD Certification Program must hold a current teaching certificate with three years teaching experience. Applicants who wish to count the certification hours toward a master's degree or other graduate program must meet the eligibility requirements of that program.

Kentucky applicants whose certificates have expired may be admitted, but they may enroll in no more than six hours before they apply to the EPSB for reissue of a Kentucky certificate. After the completion of six hours, a student admitted with an expired certificate must submit a copy of the reissued certificate before being allowed to register for any additional courses. Applicants from out-of-state with expired certificates must complete the requirements for their respective states to renew their certificates and submit a copy of a current certificate.

## Teaching English as a Second Language (TESL), Endorsement (KE36)

Applicants for the Teaching English as a Second Language endorsement must have or be eligible for a teaching certificate at the elementary level (IECE Birth to Primary or Elementary P-5), middle grades level (Grades 5-9), or secondary level (Grades 8-12, Grades 5-12, or Grades P-12). Students certified or eligible for certification in Special Education P-12 are also eligible for admission to the Teaching English as a Second Language endorsement.

## Teacher Leader, Endorsement (KTLE)

If counting the endorsement hours toward a master's degree or other graduate program, the applicant must meet the eligibility requirements of that program. The applicant must have or be eligible for a teaching certificate.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

### Program Requirements (12-22 hours)

Requirements for the Certification Only, Teacher Education program are specific to the concentration selected (concentration codes shown in parentheses below).

### Elementary Mathematics Specialist P-5, Endorsement (KEM)

Students may include the endorsement course work within the Specialization component of the MAE and Planned 5th year programs in Elementary Education-Teacher Leader. In addition, students in the Planned 6th-year/Rank I program in Elementary Education may also elect to incorporate this endorsement within their programs. The endorsement can be incorporated in the Ed.S. in Elementary Education as well. This graduate endorsement program requires 15 hours that may be incorporated into the Elementary Education MAE program or other graduate programs for elementary teachers.

Code	Title	Hours
<b>Required Courses</b>		
ELED 571	Leadership, Math and Technology Education	3
ELED 572	Math and Technology Methods for Diverse Learners	3
ELED 573	Math and Technology Assessment	3
Select 6 hours from the following:		6
MATH 411G	Problem Solving for Elementary and Middle Grades Teachers <sup>1</sup>	
MATH 507	Number Systems for Elementary and Middle Grades Teachers <sup>2</sup>	
MATH 508	Rational Number Concepts for Elementary and Middle Grades Teachers <sup>2</sup>	
<b>Total Hours</b>		<b>15</b>

<sup>1</sup> Required unless MATH 411 was taken as an undergraduate.

<sup>2</sup> Required for students who completed MATH 411 as an undergraduate.

### Environmental Education P-12, Endorsement (KEV)

Code	Title	Hours
<b>Required Courses</b>		
ENVE 520	Introduction to Environmental Education	3
ENVE 580	Instructional Strategies in Environmental Education	3
<b>Electives</b>		
Select 6 hours from the following:		6
ENVE 585	Special Topics in Environmental Education <sup>1</sup>	
EDU 570	Educational Assessment for P-12 Learners	
GEOS 507	Geographic Concepts and Skills for Teachers	
RSA 532	Environmental Education Resources	

REC 434G	Environmental Interpretation	
Other courses may be chosen by the advisor and the environmental education endorsement coordinator		
<b>Total Hours</b>		<b>12</b>

<sup>1</sup> Repeatable up to 6 hours.

### Gifted and Talented Education P-12, Endorsement (KE37)

Code	Title	Hours
<b>Required Courses</b>		
GTE 536	Nature and Needs of Gifted, Creative, and Talented Students	3
GTE 537	Curriculum, Strategies, and Materials for Gifted Students	3
PSY 432G	Psychology of the Gifted and Creative	3
GTE 538	Practicum for Teachers of Gifted Students	3
<b>Total Hours</b>		<b>12</b>

### Instructional Computer Technology P-12, Endorsement (KCT)

Code	Title	Hours
<b>Required Courses</b>		
LITE 535	Survey of Educational Technology Practices	3
LITE 537	Principles of Educational Technology Applications	3
LITE 508	Informatics in Education	3
Select 3 hours from the following:		3
LITE 545	Educational Technology Production	
LITE 547	Integration of Educational Technology	
LITE 550	Emerging Technology in Education	
LITE 737	Educational Technology Leadership	
<b>Total Hours</b>		<b>12</b>

### Learning and Behavioral Disorders, Certification-Only (KLBD)

Code	Title	Hours
<b>Required Courses for Both Tracks</b>		
SPED 530	Advanced Assessment of Students with Disabilities in General Education	3
SPED 525	Intervention Support for Students with Dyslexia and Other Reading Disabilities	3
SPED 531	Data-Based Individualization in Special Education	3
Teachers without MSD or SpEd Certification must take SPED 630 and SPED 517. Teachers with MSD or SPED Certification must take EDU 502 and SPED 590:		6
SPED 517	Transition Services and Programs for Individuals with Disabilities	

SPED 630	Special Education Law and Finance	
SPED 590	Advanced Internship in Special Education	
EDU 502	Positive Learning Environment	
<b>Total Hours</b>		<b>15</b>

### Library Media Education, Certification-Only (KLM)

Code	Title	Hours
<b>Required Courses</b>		
LITE 501	Program Organization	3
LITE 506	Organization of Information	3
LITE 508	Informatics in Education	3
LITE 512	Issues in Libraries, Informatics, and Technology in Education	3
LITE 518	Advanced Children's Literature and Collections	3
LITE 527	Advanced Young Adult Literature and Collections	3
LITE 535	Survey of Educational Technology Practices	3
LITE 537	Principles of Educational Technology Applications	3
LITE 590	Practicum in Libraries, Informatics, and Technology in Education	1-3
<b>Total Hours</b>		<b>25-27</b>

### Moderate and Severe Disabilities, Certification-Only (KMS)

Code	Title	Hours
<b>Required Courses for Both Tracks</b>		
SPED 535	Curriculum for Individuals with Moderate and Severe Disabilities	3
SPED 615	Instructional Strategies for Students with Moderate and Severe Disabilities	3
SPED 529	Assessment of Students with Moderate to Severe Disabilities	3
	Teachers without LBD or SpEd Certification must take SPED 630 and SPED 517. Teachers with LBD and SpEd Certification must take SPED 590 and SPED 610:	6
SPED 630	Special Education Law and Finance	
SPED 517	Transition Services and Programs for Individuals with Disabilities	
SPED 590	Advanced Internship in Special Education	
SPED 610	Characteristics of Low Incidence Disorders	
<b>Total Hours</b>		<b>15</b>

### Teaching English as a Second Language (TESL), Endorsement (KE36)

Code	Title	Hours
<b>Required Courses</b>		
ENG 407G	Linguistic Analysis	3

ENG 408G	Psycholinguistics and Sociolinguistics	3
ENG 565	Integrated Teaching English as a Second Language	3
ENG 566	Seminar in Teaching English as a Second Language	3
ENG 471G	TESL Practicum	4
	6 hours of one foreign language or fulfillment of the language requirements of the WKU Colonnade Program	0-6
<b>Total Hours</b>		<b>16-22</b>

### Teacher Leader, Endorsement (KTLE)

Code	Title	Hours
<b>Required Courses</b>		
TCHL 500	Foundations of Teacher Leadership	3
TCHL 530	Curriculum Development	3
TCHL 545	Classroom Instruction Strategies <sup>1</sup>	0-3
TCHL 555	School and Classroom Assessment <sup>1</sup>	0-3
TCHL 559	Capstone Project Design for Teacher Leadership	1
TCHL 560	Capstone Project for Teacher Leadership	3
<b>Total Hours</b>		<b>10-16</b>

<sup>1</sup> All students must complete TCHL 545 and TCHL 555 or pass proficiency evaluations for these courses.

While enrolled in TCHL 500 (<http://catalog.wku.edu/search/?P=TCHL%20500>), students will use several documents, including KTIP assessments or in-kind examples, dispositions self-surveys, referrals from school personnel, and their respective School Improvement Plan, to develop with endorsement advisors an individualized program of study related to Kentucky Teacher Standards, Framework for Teaching Components, and professional goals. Students are expected to enroll in TCHL 500 (<http://catalog.wku.edu/search/?P=TCHL%20500>) at the beginning of the endorsement and in TCHL 560 (<http://catalog.wku.edu/search/?P=TCHL%20560>) toward the end. Students should consult with their advisors regarding the optimal sequence of course work to meet their professional goals. Students must successfully complete TCHL 560 (<http://catalog.wku.edu/search/?P=TCHL%20560>) (course grade of "C" or higher) and present research results in an approved venue. Students must achieve a minimum 3.0 GPA overall and in endorsement course work.

## Elementary Education, Rank I (084)

#### Program Coordinator

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#### Program Contact

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This non-degree program leads to eligibility for Rank I.



## Concentration(s)

- Elementary Education (KEL)
- Elementary Math Specialist P-5 (KEM)
- Environmental Education (KEV)
- Gifted Education Endorsement (KE37)
- Kentucky Computer Technology (KCT)
- Teaching English as a Second Language Endorsement (KE36)

## Program Admission

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30 hours)

This program requires 30 semester hours in addition to the requirements for a Planned Fifth-Year program, or 60 semester hours including a master's degree.

Code	Title	Hours
<b>Required Courses</b>		
Required Professional Education Component		
EDU 601	Seminar: Advanced Professional Development Plan	1
ELED 603	Advanced Seminar Elementary Curriculum	3
EDU 604	Management Learning Environment	3
SPED 516	The Exceptional Child: Perspectives and Issues <sup>1</sup>	3
EDU 698	Seminar: Advanced Portfolio Project	2
<b>Electives</b>		
Professional education courses <sup>2</sup>		6-9
Specialization courses <sup>2</sup>		12
<b>Total Hours</b>		<b>30</b>

<sup>1</sup> An approved elective may be substituted if an introductory Exceptional Education course is on the student's transcript.

<sup>2</sup> Approved by advisor

## Elementary Math Specialization P-5, Certificate (0485)

### Program Coordinator

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### Program Contact

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**Elementary Mathematics Specialists** are teachers, teacher leaders, or mathematics coaches who are responsible for supporting effective mathematics instruction and student learning at the classroom, school, district, and/or state levels. The Elementary Math Specialization (EMS) P-5 Certificate is designed to give education professionals a deep and practical knowledge of the content and pedagogy of elementary mathematics. It will further develop skills for working with other

professionals to develop mathematical knowledge for teaching, team teaching or co-teaching in P-5 settings.

Highlights of the certificate include:

- A unique model with roots beginning the Toyota Math and Technology Leadership Academy
- A state and national reputation for producing highly qualified teacher education graduates
- Highly qualified and dedicated faculty and staff
- Integration of educational technology throughout program
- An Educational Resources Center that contains library resources dedicated specifically to education programs

The EMS P-5 Certificate requires 15 hours that may be earned for the certificate only (stand-alone) or may be incorporated into another degree program. Thus, in addition to developing in-depth knowledge and expertise with regard to teaching elementary mathematics, graduate students may also include this course work within the Specialization component of the Masters of Arts in Education (MAE), Planned 5th year, Planned 6th year/Rank I and EdS programs in Elementary Education/Teacher Leader. *NOTE: This program is exempt from the maximum of 12 hours denoted in the Duplication of Coursework policy. All 15 hours may be duplicated on one additional graduate degree at the same level.*

This certificate is appropriate for:

- Teachers in Kentucky (and states with a reciprocal licensure agreement) holding a teaching certificate for Elementary Education, Grades P-5, who seek an Endorsement licensure as an Elementary Mathematics Specialist. ***(NOTE: The EMS Certificate does NOT automatically lead to certification for an addition to a teaching license. Elementary Education certified/licensed teachers in Kentucky and reciprocal licensure states who successfully complete this certificate and wish to add the endorsement credential to their license must contact the WKU Office of Professional Educator Services (or appropriate office in their home state) to submit the necessary paperwork for the endorsement to be added to their license.)***
- Elementary teachers in states without a reciprocal licensure agreement with Kentucky who desire pedagogical knowledge and enhanced skills in teaching elementary mathematics content. Although some states do not recognize the EMS Endorsement as a licensing addition, completion of this EMS Certificate provides evidence of competency in teaching this critical content area.
- Middle/secondary mathematics teachers, and special education teachers who are responsible for supporting effective mathematics instruction and student learning at the classroom, school, district, or state levels. The certificate will add to the depth and breadth of knowledge the middle/secondary mathematics teachers currently have as they will expand into a K-6 knowledge base of content and pedagogy.

This program provides a graduate level credential in this critical content area and will be listed as a "certificate" on the WKU transcript upon completion.

### Program Admission

To be admitted to the Elementary Mathematics Specialist Certificate, applicants must hold at least one of the following undergraduate or graduate degrees:

- Elementary Education degree
- Math Middle/Secondary degree
- Special Education degree
- Dual Certification -- Elementary/Special Education

### Graduate School Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate School admission requirements.

### Program Requirements (15 hours)

Code	Title	Hours
<b>Required Courses</b>		
ELED 571	Leadership, Math and Technology Education	3
ELED 572	Math and Technology Methods for Diverse Learners	3
ELED 573	Math and Technology Assessment	3
Select 6 hours from the following:		6
MATH 411G	Problem Solving for Elementary and Middle Grades Teachers <sup>1</sup>	
MATH 507	Number Systems for Elementary and Middle Grades Teachers	
MATH 508	Rational Number Concepts for Elementary and Middle Grades Teachers	
<b>Total Hours</b>		<b>15</b>

<sup>1</sup> Students must complete MATH 411G unless MATH 411 was completed as an undergraduate student. If MATH 411 was completed, both MATH 507 and MATH 508 must be completed.

## Gifted Education and Talent Development, Certificate (1764)

#### Program Coordinator

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#### Program Contact

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The Certificate in Gifted Education and Talent Development is designed to develop advanced certification for teachers who can positively impact student learning in their classrooms and schools with all children and adolescents, including those who are gifted and talented. Courses and experiences include professional learning communities in which students interact with other graduate students from various content areas and grade levels to discuss and work on real-world challenges and promising practices they encounter in schools. Candidates who complete the Teacher Certification including a three-hour practicum and receive a passing score on Praxis II in Gifted Education will be eligible for a recommendation for the State of Kentucky Gifted and Talented Education (KE37) endorsement.

In addition to advanced certification, the Certificate may also be completed by individuals in a variety of careers such as counselors,

psychologists, international students, and others who are not certified teachers.

### Program Admission

1. Applicants must meet the minimum Graduate Studies Admission requirements.
2. A copy of the applicant's teaching certificate or statement of eligibility must be submitted with the application for admission for the student to be recommended for Advanced Certification. Applicants who are not pursuing Advanced Certification must contact the Program Coordinator to waive this admission requirement.

### Graduate School Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate School admission requirements.

### Program Requirements (12 hours)

Code	Title	Hours
<b>Required Courses</b>		
PSY 432G	Psychology of the Gifted and Creative	3
GTE 536	Nature and Needs of Gifted, Creative, and Talented Students	3
Select 6 hours from the following:		6
GTE 537	Curriculum, Strategies, and Materials for Gifted Students <sup>1</sup>	
GTE 538	Practicum for Teachers of Gifted Students <sup>1,2</sup>	
GTE 539	Assessment and Identification of Gifted and Talented Children	
GTE 540	Developing Creativity and Leadership in Gifted Youth	
GTE 636	Issues in Gifted Education and Talent Development	
GTE 637	Seminar in Gifted Education and Talent Development	
<b>Total Hours</b>		<b>12</b>

<sup>1</sup> Required course for students pursuing Advanced Certification.

<sup>2</sup> Restricted for only students pursuing Advanced Certification.

## Gifted Education and Talent Development, Master of Arts in Education (0482)

#### Program Coordinator

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#### Program Contact

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The MAE in Gifted Education and Talent Development offers two concentrations, Advanced Certification for Teacher Leaders and Advanced Research Focus.

The Advanced Certification for Teacher Leaders concentration of the MAE in Gifted Education and Talent Development is designed to develop advanced certification for teachers who can positively impact student learning in their classrooms and schools with all children and young people, including those who are gifted and talented. Courses and experiences include professional learning communities in which students interact with other graduate students from various content areas and grade levels to discuss and work on real-world challenges and promising practices they encounter in schools. Candidates who complete the MAE will be eligible for a recommendation for Rank II and both the Gifted and Talented Education (KE37) and Teacher Leader (KTLE) endorsements.

Individuals holding a Rank II will be eligible for a Rank I with both the Gifted and Talented Education (KE37) and Teacher Leader (KTLE) endorsements.

Educators pursuing the advanced certification for teacher leader concentration may be completing the graduate program to continue in a teaching position or to become a curriculum coordinator. Counselors, principals, librarians, and other specialized teachers will enhance their knowledge and skills in a concentration that leads to Rank II or a Rank I if candidates already hold a Rank II certification and the gifted education endorsement.

The MAE in Gifted Education and Talent Development with the Advanced Research Focus concentration may be used to achieve Rank I. An additional three-hour practicum and a passing score on Praxis II in Gifted Education are required for those seeking the endorsement in gifted education. The Advanced Research focus will prepare students for a variety of careers in higher education, government, policy work, or other organizations and could lead to a Rank I or specialist degree. The research concentration is planned for those pursuing different pathways:

- educators pursuing a rank change
- educators pursuing a rank change and the endorsement in gifted education (additional three-hour practicum and passing score on the Praxis II in gifted education required)
- individuals who are pursuing an advanced degree in gifted education - not certified personnel and that would include, but not be limited to, international students, psychologists, and those planning to earn a Ph.D. or Ed.D.

The MAE in Gifted Education and Talent Development is offered primarily online. Exceptions include the practicum and requests for face-to-face instruction for cohort groups.

## Concentration(s)

- Advanced Certification for Teacher Leaders (PCTL)
- Advanced Research Focus (PCRF)

## Program Admission

Criteria vary, depending on the student's undergraduate institution and GPA as well as the concentration the student is pursuing.

### Advanced Certification for Teacher Leaders Concentration

A copy of the applicant's teaching certificate or statement of eligibility must be submitted with the application for admission to the Advanced Certification for Teacher Leaders concentration.

### WKU Graduate Admission

Applicants who are alumni of WKU teacher preparation programs must submit a current, valid teaching certificate or Statement of Eligibility for IECE Birth to Primary; Elementary Education, P-5; Middle Grades Education, 5-9; Secondary Education, 8-12, 5-12, or P-12; or Special Education, P-12.

### Graduate of a Kentucky Higher Education Institute other than WKU

Applicants with undergraduate degrees from Kentucky higher education accredited universities must have a 2.75 GPA for all previous undergraduate coursework and a 3.0 GPA for previous graduate coursework or qualifying GAP scores (as defined below by year taken), and must have or be eligible for a teaching certificate for IECE Birth to Primary; Elementary Education, P-5; Middle Grades Education, 5-9; Secondary Education, 8-12, 5-12, or P-12; or Special Education, P-12.

### Graduate of an Out-of-State Institution of Higher Education

Applicants with undergraduate degrees from all other higher education accredited universities must have a 2.75 GPA for all previous undergraduate coursework and a 3.0 GPA for previous graduate coursework or qualifying GAP scores (as defined below by year taken), and must have or be eligible for a teaching certificate for IECE Birth to Primary; Elementary Education, P-5; Middle Grades Education, 5-9; Secondary Education, 8-12, 5-12, or P-12; or Special Education, P-12.

Kentucky applicants whose certificates have expired may be admitted, but they may enroll for only six hours before which they must apply to the Kentucky Education Professional Standards Board for a re-issued certificate. After completion of six hours, a student admitted with an expired certificate must submit a copy of the reissued certificate before being allowed to register for any additional courses. Applicants from out-of-state with expired certificates must complete the requirements for their respective states to renew their certificates and submit a copy of the reissued certificate.

### Advanced Research Focus Concentration

Applicants must meet the following:

- Submit application to Graduate Studies and meet all Graduate Studies requirements
- Have earned a Master's degree from an accredited institution if pursuing a Rank I with this degree concentration
- Have a 3.0 on all graduate coursework
- Submit copies of all transcripts

### Graduate School Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate School admission requirements.

## Program Requirements (30-37 hours)

### Advanced Certification for Teacher Leaders Concentration

The program for the MAE in Gifted Education and Talent Development, Advanced Certification for Teacher Leaders concentration has four instructional components. The first component, professional education, provides advanced level pedagogy, leadership, and content related to Kentucky Teacher Standards and applicable to all P-12 teachers working in the wide gamut of developmental and content areas. The second component, specialization, directs the candidates into gifted

education as the selected area of specialization. The third component is the practicum, and electives make up the fourth component. Students may be required to complete additional elective hours to achieve the program minimum of 30 hours.

Code	Title	Hours
<b>Required Courses</b>		
Professional Education Component		
TCHL 500	Foundations of Teacher Leadership <sup>1</sup>	3
TCHL 545	Classroom Instruction Strategies <sup>2</sup>	3
TCHL 555	School and Classroom Assessment <sup>2</sup>	3
TCHL 559	Capstone Project Design for Teacher Leadership	1
TCHL 560	Capstone Project for Teacher Leadership	3

#### Mid-Point Assessment Requirements

To ensure that all master's candidates are proficient on Advanced Level Kentucky Teacher Standards, all Critical Performances associated with the above TCHL courses must be completed by candidates for the Advanced Certification for Teacher Leaders concentration, even if a candidate's program of studies does not include the courses. All candidates will upload all Critical Performances and have achieved an average score of 3.0 on all performances and an average score of 3 on dispositions. Additional coursework may be required based on the assessment results.

#### Required Courses

Specialization Component		
GTE 536	Nature and Needs of Gifted, Creative, and Talented Students	3
GTE 537	Curriculum, Strategies, and Materials for Gifted Students	3
GTE 539	Assessment and Identification of Gifted and Talented Children	3
GTE 540	Developing Creativity and Leadership in Gifted Youth	3
PSY 432G	Psychology of the Gifted and Creative	3
GTE 538	Practicum for Teachers of Gifted Students	3

#### Electives

Select 0-6 hours with advisor approval<sup>3</sup> 0-6

**Total Hours 30-37**

<sup>1</sup> While enrolled in TCHL 500, students will use several documents, including their KTIP assessments or in-kind examples, dispositions self-surveys, referrals from school personnel, and their respective School Improvement Plan, to develop with their respective program advisors individualized programs of study of 30-37 hours related to Kentucky Teacher Standards and professional goals. Each student's program of study will include some of the TCHL courses, plus courses in gifted and talented education.

<sup>2</sup> TCHL 545 and TCHL 555 are required for all students or the student must pass proficiency evaluations for these courses.

<sup>3</sup> Students who test out of TCHL 545 or TCHL 555 must replace those courses with elective courses on their program of study. With advisor approval, students may select appropriate elective courses from:

- the discipline in which the student is certified;
- academic disciplines related to the P-12 common core standards;
- CEBS content courses in exceptional education, interdisciplinary early childhood education, library media education, literacy, or psychology; or
- courses identified as prerequisites for instructional leader programs.

Candidates who choose not to take the proficiency evaluations or those who take the evaluations and do not demonstrate proficiency have the option of taking an additional 6 hours of elective coursework to add to their content or professional education knowledge.

#### Advanced Certification for Teacher Leaders Concentration Program Completion Requirements

- Successfully complete TCHL 560 (course grade of "B" or higher)
- Give acceptable presentation of action research in an approved venue
- Complete the gifted education practicum demonstrating the knowledge and skills to teach children with gifts and talents.

Informational Note: P-12 Gifted Endorsement requires passing score on the Praxis II in gifted education.

#### Advanced Research Focus Concentration

The program for the Advanced Research Focus concentration requires the core gifted education courses (15 hours) and the specialization (15 hours) in advanced gifted education, research methods, and thesis. Students may complete additional elective hours in a discipline in which student is certified or related courses relevant to the student's professional needs and goals.

Code	Title	Hours
<b>Required Courses</b>		
EDFN 500	Research Methods	3
PSY 432G	Psychology of the Gifted and Creative	3
GTE 536	Nature and Needs of Gifted, Creative, and Talented Students	3
GTE 537	Curriculum, Strategies, and Materials for Gifted Students	3
GTE 539	Assessment and Identification of Gifted and Talented Children	3
GTE 540	Developing Creativity and Leadership in Gifted Youth	3
GTE 636	Issues in Gifted Education and Talent Development	3
GTE 637	Seminar in Gifted Education and Talent Development	3
EDU 599	Thesis Research and Writing	6
<b>Electives</b>		
Select 0-3 hours with advisor approval <sup>1</sup>		0-3
<b>Total Hours</b>		<b>30-33</b>

<sup>1</sup> Advisor-approved courses selected from disciplines in which student is certified or related courses relevant to the student's professional needs and goals.

### Advanced Research Focus Concentration Program Completion Requirements

Candidates must successfully defend a thesis and have at least a 3.0 GPA overall and in program coursework.

## Gifted Education/Talent Development & Advanced Instructional Practice, Specialist in Education (0503)

### Program Coordinator

#### Program Contact

Rachael Lee, rachael.lee@wku.edu (%20rachael.lee@wku.edu), (270) 745-2819

The Specialist Degree in Gifted Education/Talent Development & Advanced Instructional Practice prepares leaders to research, understand and implement strategies, procedures, and policies that allow children and youth with gifts and talents to achieve their potential. We will provide in-depth learning experiences to develop expertise in gifted education, talent development, and advanced instructional practices.

This program is designed to enhance advanced educators to become specialists who can positively impact student learning on a broader impact. Courses and experiences that include extending educator skills and specializing in areas of concentration, certification, endorsement, and/or certificate (as indicated in the concentration options).

The program is divided into two instructional components. The first component, specialist project (6 hours, EDU 699) and investigative methodology (6 hours from listed courses), provides 12 hours of study. The second component, the concentration, directs the candidate into an individual program in specialist content.

This program is exempt from the maximum of 12 hours denoted in the Duplication of Coursework policy. All concentration hours may be duplicated on one additional graduate degree or certificate at the same level.

#### Concentrations:

- Advanced Behavior Management (certificate #1736)
- [Elementary Education \(ELED\)](#)
- Elementary Math Specialist (certificate #0485 and endorsement KEM #132)
- Environmental Education (endorsement KEV #132)
- Gifted and Talented P-12 (certificate #1764 and endorsement KE37 #132)
- Instructional Computer Technology P-12 (endorsement KCT #132)
- Instructional Design (certificate #0418)
- Interdisciplinary Early Childhood Education (IECE)
- Library Media Education (certification-only KLM #132)
- Literacy P-12 (certificate #1750 and endorsement #132)
- Middle Education (MGE)

- Secondary Education (SEC)
- Teaching English to Speakers of Other Languages (TESOL) (certificate #0416 and endorsement KE36 #132)
- Individualized Concentration (Endorsements/certification only or another combination of courses) (GATC)

## Program Admission

Applicants must have a master's degree from an accredited institution of higher education or an equivalent international institution of higher education. The applicant must have a 3.0 grade-point-average in the master's program.

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30 hours)

The program is divided into two instructional components. The first component, specialist project (6 hours, EDU 699) and investigative methodology (6 hours from listed courses), provides 12 hours of study. The second component, the concentration, directs the candidate into an individual program in specialist content. Students should consult with their advisors regarding course work to meet their professional goals.

Code	Title	Hours
<b>Required Courses</b>		
EDU 699	Specialist Project	6
Choose 6 hours of Investigative Methodology:		6
GTE 636	Issues in Gifted Education and Talent Development	
GTE 637	Seminar in Gifted Education and Talent Development	
EDFN 500	Research Methods	
EDU 695	Advanced Topics in Education	
<b>Concentration and Elective Courses</b>		<b>18-27</b>
<b>Total Hours</b>		<b>30-39</b>

### Advanced Behavior Management Concentration (15 hours)

Code	Title	Hours
<b>Required Courses</b>		
<b>Concentration Courses</b>		
SPED 501	Introduction to Applied Behavior Analysis	3
EDU 502	Positive Learning Environment	3
or SPED 502	Positive Behavior Supports	
SPED 503	Behavior Assessment	3
SPED 504	Instruction to Improve Behavior	3
SPED 505	Ethics Surrounding Behavior Issues	3
<b>Elective</b>		<b>3</b>
Any course with prefix EDU, GTE, ELED, LITE, ID, IECE, SEC, LTCY, MGE, SPED, ENVE, TCHL, REC, CNS, SLP, SWRK, AGRI, AGECE, RSA, GEOS, HIST, ENG, PS, GEOG, MATH, PSY, BIO, CHEM, PHYS, FACS, ECON, EDAD, ADED, EDFN, LEAD: 4XXG, 5XX, 6XX, 7XX		
<b>Total Hours</b>		<b>30</b>

**Elementary Education (15 hours)**

Code	Title	Hours
<b>Required Courses</b>		<b>12</b>
ELED 503	Organization of Elementary School Curriculum	3
ELED 505	Mat/Meth/Math/EI Teach	3
ELED 506	Seminar in Elementary School Science	3
ELED 507	Advanced Materials and Methods in Social Studies	3
LTCY 519	Literacy Development and Instruction	3

<b>Elective</b>		<b>3</b>
Any course with prefix EDU, GTE, ELED, LITE, ID, IECE, SEC, LTCY, MGE, SPED, ENVE, TCHL, REC, CNS, SLP, SWRK, AGRI, AGEC, RSA, GEOS, HIST, ENG, PS, GEOG, MATH, PSY, BIO, CHEM, PHYS, FACS, ECON, EDAD, ADED, EDFN, LEAD: 4XXG, 5XX, 6XX, 7XX		
<b>Total Hours</b>		<b>30</b>

**Elementary Math Specialist Concentration (15 hours)**

Code	Title	Hours
<b>Required Courses</b>		<b>12</b>
<b>Concentration Courses</b>		
ELED 571	Leadership, Math and Technology Education	3
ELED 572	Math and Technology Methods for Diverse Learners	3
ELED 573	Math and Technology Assessment	3
Choose 2 of 3:		6
MATH 411G	Problem Solving for Elementary and Middle Grades Teachers	
MATH 507	Number Systems for Elementary and Middle Grades Teachers	
MATH 508	Rational Number Concepts for Elementary and Middle Grades Teachers	

<b>Elective</b>		<b>3</b>
Any course with prefix EDU, GTE, ELED, LITE, ID, IECE, SEC, LTCY, MGE, SPED, ENVE, TCHL, REC, CNS, SLP, SWRK, AGRI, AGEC, RSA, GEOS, HIST, ENG, PS, GEOG, MATH, PSY, BIO, CHEM, PHYS, FACS, ECON, EDAD, ADED, EDFN, LEAD: 4XXG, 5XX, 6XX, 7XX		
<b>Total Hours</b>		<b>30</b>

**Environmental Education (KEV) (12 hours)**

Code	Title	Hours
<b>Required Courses</b>		<b>12</b>
ENVE 520	Introduction to Environmental Education	3
ENVE 580	Instructional Strategies in Environmental Education	3
Select 6 hours from the following:		6
ENVE 585	Special Topics in Environmental Education	
EDU 570	Educational Assessment for P-12 Learners	

RSA 532	Environmental Education Resources	
REC 434G	Environmental Interpretation	
GEOS 507	Geographic Concepts and Skills for Teachers	
<b>Elective</b>		<b>6</b>
Any course with prefix EDU, GTE, ELED, LITE, ID, IECE, SEC, LTCY, MGE, SPED, ENVE, TCHL, REC, CNS, SLP, SWRK, AGRI, AGEC, RSA, GEOS, HIST, ENG, PS, GEOG, MATH, PSY, BIO, CHEM, PHYS, FACS, ECON, EDAD, ADED, EDFN, LEAD: 4XXG, 5XX, 6XX, 7XX		
<b>Total Hours</b>		<b>30</b>

**Gifted and Talented Education (KE37) (12 hours)**

Code	Title	Hours
<b>Required Courses</b>		<b>12</b>
GTE 536	Nature and Needs of Gifted, Creative, and Talented Students	3
GTE 537	Curriculum, Strategies, and Materials for Gifted Students	3
PSY 432G	Psychology of the Gifted and Creative	3
GTE 538	Practicum for Teachers of Gifted Students	3
<b>Electives</b>		<b>6</b>
Any course with prefix EDU, GTE, ELED, LITE, ID, IECE, SEC, LTCY, MGE, SPED, ENVE, TCHL, REC, CNS, SLP, SWRK, AGRI, AGEC, RSA, GEOS, HIST, ENG, PS, GEOG, MATH, PSY, BIO, CHEM, PHYS, FACS, ECON, EDAD, ADED, EDFN, LEAD: 4XXG, 5XX, 6XX, 7XX		
<b>Total Hours</b>		<b>30</b>

**Instructional Computer Technology (KCT) (12 hours)**

Code	Title	Hours
<b>Required Courses</b>		<b>12</b>
LITE 535	Survey of Educational Technology Practices	3
LITE 537	Principles of Educational Technology Applications	3
LITE 508	Informatics in Education	3
Select 3 hours from the following:		6
LITE 545	Educational Technology Production	
LITE 547	Integration of Educational Technology	
LITE 550	Emerging Technology in Education	
LITE 737	Educational Technology Leadership	
<b>Electives</b>		<b>3</b>
Any course with prefix EDU, GTE, ELED, LITE, ID, IECE, SEC, LTCY, MGE, SPED, ENVE, TCHL, REC, CNS, SLP, SWRK, AGRI, AGEC, RSA, GEOS, HIST, ENG, PS, GEOG, MATH, PSY, BIO, CHEM, PHYS, FACS, ECON, EDAD, ADED, EDFN, LEAD: 4XXG, 5XX, 6XX, 7XX		
<b>Total Hours</b>		<b>30</b>

**Instructional Design (12 hours)**

Code	Title	Hours
<b>Required Courses</b>		<b>12</b>
ID 560	Instructional Design Foundations	3
ID 570	Systematic Instructional Design	3
Select 6 hours from the following:		6
ID 572	Improvement Analysis in the Workplace	
ID 575	Special Topics in Instructional Design	
ID 577	Management of Instructional Systems	
ID 583	Training Design and Development	
ID 585	Distance Education Opportunities and Challenges	
ID 587	Trends and Issues in Instructional Design	
ID 588	Multimedia Design	
ID 590	Practicum in Instructional Design	
Electives		6
Any course with prefix EDU, GTE, ELED, LITE, ID, IECE, SEC, LTCY, MGE, SPED, ENVE, TCHL, REC, CNS, SLP, SWRK, AGRI, AGECE, RSA, GEOS, HIST, ENG, PS, GEOG, MATH, PSY, BIO, CHEM, PHYS, FACS, ECON, EDAD, ADED, EDFN, LEAD: 4XXG, 5XX, 6XX, 7XX		
<b>Total Hours</b>		<b>30</b>

**Interdisciplinary Early Childhood Education (KIE) (15 hours)**

Code	Title	Hours
<b>Required Courses</b>		<b>12</b>
IECE 521	Assessment in Early Childhood Special Education	3
IECE 523	Planning Curriculum and Instruction in Interdisciplinary Early Childhood Education	3
IECE 524	Internship in Early Childhood Special Education	3
SPED 523	Curriculum/Methods in Early Childhood Special Education	3
SLP 517	Normal Language Development	3
Electives		3
Any course with prefix EDU, GTE, ELED, LITE, ID, IECE, SEC, LTCY, MGE, SPED, ENVE, TCHL, REC, CNS, SLP, SWRK, AGRI, AGECE, RSA, GEOS, HIST, ENG, PS, GEOG, MATH, PSY, BIO, CHEM, PHYS, FACS, ECON, EDAD, ADED, EDFN, LEAD: 4XXG, 5XX, 6XX, 7XX		
<b>Total Hours</b>		<b>30</b>

**Library Media Education, Certification-Only (KLM) (27 hours)**

Code	Title	Hours
<b>Required Courses</b>		<b>3-12</b>
The Library Media Education, Certification-Only Program (KLM) varies depending on prior coursework.		
LITE 501	Program Organization	3
LITE 506	Organization of Information	3
LITE 508	Informatics in Education	3

LITE 512	Issues in Libraries, Informatics, and Technology in Education	3
LITE 518	Advanced Children's Literature and Collections	3
LITE 527	Advanced Young Adult Literature and Collections	3
LITE 535	Survey of Educational Technology Practices	3
LITE 537	Principles of Educational Technology Applications	3
LITE 590	Practicum in Libraries, Informatics, and Technology in Education	3
Electives		0-3
Any course with prefix EDU, GTE, ELED, LITE, ID, IECE, SEC, LTCY, MGE, SPED, ENVE, TCHL, REC, CNS, SLP, SWRK, AGRI, AGECE, RSA, GEOS, HIST, ENG, PS, GEOG, MATH, PSY, BIO, CHEM, PHYS, FACS, ECON, EDAD, ADED, EDFN, LEAD: 4XXG, 5XX, 6XX, 7XX		
<b>Total Hours</b>		<b>30-42</b>

**Literacy P-12 (15 hours)**

Code	Title	Hours
<b>Required Courses</b>		<b>12</b>
LTCY 519	Literacy Development and Instruction	3
LTCY 523	Assessment and Intervention of Reading and Writing	3
LTCY 524	Content Area and Disciplinary Literacy	3
LTCY 527	Diversity and Equity in Literacy Education	3
LTCY graduate elective course		3
Electives		3
Any course with prefix EDU, GTE, ELED, LITE, ID, IECE, SEC, LTCY, MGE, SPED, ENVE, TCHL, REC, CNS, SLP, SWRK, AGRI, AGECE, RSA, GEOS, HIST, ENG, PS, GEOG, MATH, PSY, BIO, CHEM, PHYS, FACS, ECON, EDAD, ADED, EDFN, LEAD: 4XXG, 5XX, 6XX, 7XX		
<b>Total Hours</b>		<b>30</b>

**Middle Grades Education (15 hours)**

Code	Title	Hours
<b>Required Courses</b>		<b>12</b>
MGE graduate courses		15
Electives		3
Any course with prefix EDU, GTE, ELED, LITE, ID, IECE, SEC, LTCY, MGE, SPED, ENVE, TCHL, REC, CNS, SLP, SWRK, AGRI, AGECE, RSA, GEOS, HIST, ENG, PS, GEOG, MATH, PSY, BIO, CHEM, PHYS, FACS, ECON, EDAD, ADED, EDFN, LEAD: 4XXG, 5XX, 6XX, 7XX		
<b>Total Hours</b>		<b>30</b>

**Secondary Education (15 hours)**

Code	Title	Hours
<b>Required Courses</b>		<b>12</b>
SEC graduate courses		15
Elective		3

Any course with prefix EDU, GTE, ELED, LITE, ID, IECE, SEC, LTCY, MGE, SPED, ENVE, TCHL, REC, CNS, SLP, SWRK, AGRI, AGECE, RSA, GEOS, HIST, ENG, PS, GEOG, MATH, PSY, BIO, CHEM, PHYS, FACS, ECON, EDAD, ADED, EDFN, LEAD: 4XXG, 5XX, 6XX, 7XX

**Total Hours** 30

### Teaching English to Speakers of Other Languages (TESOL) (KE36) (16-22 hours)

Code	Title	Hours
<b>Required Courses</b>		<b>12</b>
ENG 407G	Linguistic Analysis	3
ENG 408G	Psycholinguistics and Sociolinguistics	3
ENG 565	Integrated Teaching English as a Second Language	3
ENG 566	Seminar in Teaching English as a Second Language	3
ENG 471G	TESL Practicum	4
<b>Electives</b>		<b>2-3</b>
Any course with prefix EDU, GTE, ELED, LITE, ID, IECE, SEC, LTCY, MGE, SPED, ENVE, TCHL, REC, CNS, SLP, SWRK, AGRI, AGECE, RSA, GEOS, HIST, ENG, PS, GEOG, MATH, PSY, BIO, CHEM, PHYS, FACS, ECON, EDAD, ADED, EDFN, LEAD: 4XXG, 5XX, 6XX, 7XX		
<b>Total Hours</b>		<b>30-31</b>

### Individualized Concentration (Endorsements/certification only or another combination of courses) (GATC) (15 hours)

Code	Title	Hours
<b>Required Courses</b>		<b>12</b>
<b>Individualized Concentration Coursework</b> <small>The coursework to be determined in consultation with advisor.</small>		<b>18</b>
Any course with prefix EDU, GTE, ELED, LITE, ID, IECE, SEC, LTCY, MGE, SPED, ENVE, TCHL, REC, CNS, SLP, SWRK, AGRI, AGECE, RSA, GEOS, HIST, ENG, PS, GEOG, MATH, PSY, BIO, CHEM, PHYS, FACS, ECON, EDAD, ADED, EDFN, LEAD: 4XXG, 5XX, 6XX, 7XX		
<b>Total Hours</b>		<b>30</b>

## Instructional Design, Certificate (0418)

#### Program Coordinator

Janet L. Tassell, janet.tassell@wku.edu, (270) 745-5306

#### Program Contact

Rachael Lee, rachael.lee@wku.edu (%20rachael.lee@wku.edu), (270) 745-2819

The Certificate in Instructional Design provides preparation in the principles and strategies of instructional design to enhance the competence of practitioners in designing effective and efficient instruction and training for students and employees in schools, government agencies, and private businesses.

The curriculum for the Certificate in Instructional Design includes 6 hours of required courses and 6 hours of restricted electives, for a total of 12 hours.

The curriculum for all Instructional Design courses is modularized (except ID 560 and ID 570). A student must demonstrate proficiency in each module. All courses will be offered for 3 hours credit (except for Special Topics and Practicum).

Program Admission

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (12 hours)

Code	Title	Hours
<b>Required Courses</b>		
ID 560	Instructional Design Foundations	3
ID 570	Systematic Instructional Design	3
<b>Electives</b>		
Select two courses from the following: <sup>1</sup>		6
ID 575	Special Topics in Instructional Design	
ID 590	Practicum in Instructional Design	
ID 572	Improvement Analysis in the Workplace	
ID 577	Management of Instructional Systems	
ID 583	Training Design and Development	
ID 585	Distance Education Opportunities and Challenges	
ID 587	Trends and Issues in Instructional Design	
ID 588	Multimedia Design	
Other related course with advisor's approval		
<b>Total Hours</b>		<b>12</b>

<sup>1</sup> No more than 3 hours between ID 575 and ID 590.

## Instructional Design, Master of Science (0428)

#### Program Coordinator

Janet L. Tassell, janet.tassell@wku.edu, (270) 745-5306

#### Program Contact

Rachael Lee, rachael.lee@wku.edu (%20rachael.lee@wku.edu), (270) 745-2819

Instructional design is the systematic analysis of learning and performance needs, and the development of effective strategies, processes, systems, and products to address those needs. The purpose of instructional design is to improve learning and performance for people of all ages in a variety of settings, including educational environments, work places, community settings, schools, and homes. Professionals in the field of instructional design apply systematic instructional design



methodologies and a variety of instructional strategies to accomplish established goals.

The Master of Science in Instructional Design prepares practitioners to assume leadership roles in public or private organizations. Program graduates are equipped to design and develop instructional elements such as instructional videos, online instructional activities, user manuals for instructors, instruction manuals for commercial products, professional development curricula for teachers, multimedia instructional units, training packs for trainers, instructional materials for vocational/technical courses, lesson and unit plans for classroom use, and educational curricula.

Program graduates will possess the following competencies:

- Ability to analyze a variety of instructional performance issues in business, government, education, and home settings
- Ability to design and develop instructional solutions, including appropriate combinations of traditional/- instructor-led strategies, constructivist techniques, technology systems, and performance support systems
- Ability to ethically and effectively manage instructional design projects, including project management/tracking and scheduling, budgeting, and client consultation skills
- Ability to design appropriate assessment plans for instructional solutions
- Ability to evaluate the efficiency and effectiveness of instructional solutions

Students who graduate with a master's degree in instructional design are equipped for employment as instructional designers and trainers in businesses, corporations, school and university settings, government agencies, and military services. Instructional design graduates may also be employed as managers of technology-based systems and designers of technology products in settings that include corporations, universities, community colleges, medical centers, libraries, and school districts.

The curriculum for all Instructional Design courses is modularized (except for ID 560 and ID 570). A student must demonstrate proficiency in each module. All courses will be offered for 3 hours credit (except for Special Topics and Practicum).

## Program Admission

Admission with a baccalaureate degree or master's degree requires the following:

1. Applicants who hold a bachelor's degree from a regionally accredited college or university may apply for admission with an overall undergraduate GPA of 2.75.
2. Or completed master's degree from a regionally accredited college or university with GPA of 3.0 or higher.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30 hours)

The program includes one 3-hour research course, 15 hours of required courses, and 12 hours of advisor- approved professional emphasis courses for a program total of 30 hours.

Code	Title	Hours
<b>Required Courses</b>		
EDFN 500	Research Methods <sup>1</sup>	3
ID 560	Instructional Design Foundations	3
ID 570	Systematic Instructional Design	3
ID 587	Trends and Issues in Instructional Design	3
ID 590	Practicum in Instructional Design	3
ID 595	Internship in Instructional Design	3
<b>Electives</b>		
Professional Emphasis - Select 12 hours from the following: <sup>2</sup>		12
ID 575	Special Topics in Instructional Design	
ID 590	Practicum in Instructional Design	
ID 572	Improvement Analysis in the Workplace	
ID 577	Management of Instructional Systems	
ID 583	Training Design and Development	
ID 588	Multimedia Design	
ID 585	Distance Education Opportunities and Challenges	
With advisor approval students may take up to 6 hours of adult education, educational technology, or other appropriate courses		
<b>Total Hours</b>		<b>30</b>

<sup>1</sup> Or advisor approved equivalent. Students may transfer in a previous graduate research course with a grade of B or higher that meets Graduate Studies Currency of Courses policy. If the course is over six years old, students may take a Research Competency Exam to satisfy this requirement and replace the 3 hours with an elective.

<sup>2</sup> The student and ID faculty advisor will collaborate to select courses in the best interest of the student's career goals. Students must take 6-12 hours of Instructional Design courses from the professional emphasis list above. If the 12 hours are completed in Instructional Design courses, no more than 6 hours between ID 575 and ID 590 courses may be taken. However, if a student elects to take 6 hours of advisor-approved adult education courses, educational technology courses, or transfer courses, then neither ID 575 nor ID 590 may be completed as part of the professional emphasis and the student must complete two other ID professional emphasis courses listed above.

## Interdisciplinary Early Childhood Education, Birth to Primary, for Initial Certification, Master of Arts in Teaching (0460)

### Program Coordinator

Janet L. Tassell, [janet.tassell@wku.edu](mailto:janet.tassell@wku.edu), (270) 745-5306

### Program Contact

Rachael Lee, [rachael.lee@wku.edu](mailto:rachael.lee@wku.edu) (%20rachael.lee@wku.edu), (270) 745-2819

The program is designed to prepare early childhood educators to work with children with and without disabilities, ages birth through kindergarten and their families. IECE program graduates are qualified to work with children from birth to entry into the primary program. This includes teaching children in kindergarten or other programs for five-year-olds if those programs are operated separately from the primary program.

Graduates are prepared for positions in public schools, First Steps, Head Start programs, child care centers, and other public and private agencies serving young children and families.

The MAT program in IECE, Birth to Primary, Initial Certification is for individuals who are not certified in any area of education. The performance-based program of study requires 30 semester hours of course work and various field experiences. The culminating capstone experience of the program is an internship. Upon completion of the program and achieving a passing score on the required PRAXIS II exam, students are eligible to be recommended for the Statement of Eligibility to teach children age's birth through kindergarten.

## Program Admission

To be considered for admission, applicants must be:

- Present a letter of application including a professional goals statement.
- Please reach out to Rachael Lee (rachael.lee@wku.edu) for departmental application including: references; physical; signed code of ethics; criminal background check; Child Abuse & Neglect (CAN) check.
- For students who are not teaching under Option 6 or other temporary certification, you will be required to complete IECE 524 on site to fulfill your student teaching requirement. This course occurs during the summer on WKU campus over the course of several weeks.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30 hours)

Code	Title	Hours
<b>Required Courses</b>		
EDFN 500	Research Methods (or advisor approved research course)	3
IECE 520	Organizing Programs for Early Childhood Special Education	3
IECE 522	Family-Focused Services	3
IECE 423G	Interdisciplinary Services for Young Children with Low Incidence Disabilities <sup>1</sup>	3
IECE 521	Assessment in Early Childhood Special Education	3
SLP 517	Normal Language Development <sup>1</sup>	3
IECE 523	Planning Curriculum and Instruction in Interdisciplinary Early Childhood Education	3
IECE 524	Internship in Early Childhood Special Education	3
SPED 523	Curriculum/Methods in Early Childhood Special Education	3

IECE 525	Special Topics in Interdisciplinary Early Childhood Education	3
<b>Total Hours</b>		<b>30</b>

<sup>1</sup> Or advisor approved electives

## Interdisciplinary Early Childhood Education, Birth to Primary, Master of Arts in Education (0461)

### Program Coordinator

Janet L. Tassell, janet.tassell@wku.edu, (270) 745-5306

### Program Contact

Rachael Lee, rachael.lee@wku.edu (%20rachael.lee@wku.edu), (270) 745-2819

The MAE in Interdisciplinary Early Childhood Education provides a choice of two concentrations which are dependent upon an applicant's current certification and their desired additional certificate sought. Candidates choose one of the following concentrations: Advanced Behavior Management or Teaching English to Speakers of other Languages (TESOL).

Students are expected to become competent in theory, research, and application of best teaching practices related to young children both with and without disabilities from birth through 5 years of age and their families. Students exhibit appropriate teacher disposition behaviors as indicated by the College of Education and Behavioral Sciences Teacher Disposition Rating Form.

Candidates in the Advanced Behavior Management or TESOL concentrations will complete capstone experiences within their respective area.

### Concentrations

- Advanced Behavior Management (ABM)
- Teaching English to Speakers of Other Languages (TESOL) (KE36)

## Program Admission

The MAE in Interdisciplinary Early Childhood Education (IECE) offers courses and experiences for the advanced preparation of individuals holding certification.

- Applicants who are currently certified or hold a statement of eligibility must submit a copy of the teaching certificate or Statement of Eligibility with the application.

Kentucky applicants whose certificates have expired may be admitted, but they may enroll for only six hours before they must apply to the EPSB for reissued certificates. After completion of six hours, a student admitted with an expired certificate must submit a copy of the re-issued certificate before being allowed to register for any additional courses. Applicants from out-of-state with expired certificates must complete the requirements for their respective states to renew their certificates and submit a copy of the reissued certificate.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30-37 hours)

Code	Title	Hours
<b>Required Courses</b>		
IECE 520	Organizing Programs for Early Childhood Special Education	3
IECE 423G	Interdisciplinary Services for Young Children with Low Incidence Disabilities <sup>1</sup>	3
IECE 522	Family-Focused Services	3
EDFN 500	Research Methods <sup>1</sup>	3
IECE 525	Special Topics in Interdisciplinary Early Childhood Education	3
Concentration Courses		15-22
<b>Total Hours</b>		<b>30-37</b>

## Advanced Behavior Management Concentration (15 hours)

Code	Title	Hours
<b>Required Courses</b>		
SPED 501	Introduction to Applied Behavior Analysis	3
SPED 502	Positive Behavior Supports	3
SPED 503	Behavior Assessment	3
SPED 504	Instruction to Improve Behavior	3
SPED 505	Ethics Surrounding Behavior Issues	3
<b>Total Hours</b>		<b>15</b>

## Teaching English to Speakers of Other Languages (TESOL) Concentration (KE36) (16-22 Hours)

Code	Title	Hours
<b>Required Courses</b>		
ENG 407G	Linguistic Analysis	3
ENG 408G	Psycholinguistics and Sociolinguistics	3
ENG 565	Integrated Teaching English as a Second Language	3
ENG 566	Teaching and Testing ESL Grammar	3
ENG 471G	TESL Practicum	4
Select 6 hours of foreign language (FREN, GERM, SPAN, MLNG, ARBC, CHIN, JAPN, RUSS) or fulfill language requirements of the WKU Colonnade Program		0-6
<b>Total Hours</b>		<b>16-22</b>

<sup>1</sup> Or advisor approved equivalent.

## Interdisciplinary Early Childhood Education, Rank I (156)

Program Coordinator

Janet L. Tassell, janet.tassell@wku.edu, (270) 745-5306

### Program Contact

Rachael Lee, rachael.lee@wku.edu (%20rachael.lee@wku.edu), (270) 745-2819

This non-degree program is designed to prepare educators to work with children both with and without special needs, age's birth through kindergarten and their families. Graduates are eligible to apply for certification in interdisciplinary early childhood education (IECE), birth to primary (B to P). This certification qualifies individuals to work with children from birth to entry into the primary program. This includes teaching children in kindergarten or other programs for five-year-olds if those programs are operated separately from the primary program. Graduates are prepared for positions in public schools, First Steps, Head Start programs, child care centers, and other public and private agencies serving young children and families.

### Concentration(s)

- Interdisciplinary Early Childhood Education (KIE)

## Program Admission

In addition to meeting Graduate Studies and College of Education and Behavioral Sciences admissions requirements, applicants must complete the IECE application process through the School of Teacher Education. This application process includes documentation of early childhood related professional experiences and training, a professional written goals statement, and three letters of reference. Applicants must be officially admitted to the IECE program before beginning the program sequence. Students must also have had SPED 330 or SPED 516 or equivalent prior to entering the Rank I program or complete one of them as a program deficiency.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (33 hours)

The performance-based program of study requires 33 hours of course work and 240 clock hours of field experiences. Approximately one-half of the field experience hours are completed as a part of ongoing course work. The culminating experience of the program is a summer internship.

Code	Title	Hours
<b>Prerequisites</b>		
SPED 330	Introduction to Exceptional Education: Diversity in Learning	3
SPED 516	The Exceptional Child: Perspectives and Issues for Educational Leaders	3
<b>Total Hours</b>		<b>6</b>

Code	Title	Hours
<b>Professional Education</b>		
SLP 517	Normal Language Development	3
CD 486G	Language Disorders	3
IECE 521	Assessment in Early Childhood Special Education	3
IECE 522	Family-Focused Services	3

IECE 524	Internship in Early Childhood Special Education	3
IECE 523	Planning Curriculum and Instruction in Interdisciplinary Early Childhood Education	3
SPED 523	Curriculum/Methods in Early Childhood Special Education	3
<b>Content Area Courses</b>		
IECE 520	Organizing Programs for Early Childhood Special Education	3
FACS 577	Child Development Theory and Research	3
SWRK 436G	Services to Children	3
PSY 645	Consultation in Educational and Mental Health Settings: Theory and Practice	3
<b>Total Hours</b>		<b>33</b>

## Libraries, Informatics, and Technology in Education, Master of Science (0497)

### Program Coordinator

Janet L. Tassell, janet.tassell@wku.edu, (270) 745-5306

### Program Contact

Rachael Lee, rachael.lee@wku.edu (%20rachael.lee@wku.edu), (270) 745-2819

The Master of Science with an emphasis in libraries, informatics, and technology in education. Students seeking additional teacher certification will earn the School Librarian certification and the Instructional Computer Technology Endorsement.

The Master of Science degree is a 30-hour program. A 27-hour core of courses and one restricted elective are required. This degree may be used for the Kentucky Rank II or Rank I salary levels.

## Program Admission

Students who seek advanced teacher certification must hold teaching certification.

Students may complete this program without seeking teacher certification if they intend to seek employment in a setting other than public education (where teacher certification is required). This program does not provide initial teacher certification.

Admission requirements:

- Submission of graduate application to Graduate Studies
- Submission of official transcripts of all college work
- Submission of copy of teaching certificate if you are seeking advanced certification in School Librarian and Instructional Computer Technology Endorsement
- GPA of 2.75 in previous program or 3.0 in last 30 hours of previous program.

The admission decision by program faculty is based on a review of the full set of admission documents. Applicants should strive to provide evidence of potential for completion of the degree and success in the field of libraries, informatics, and technology in education.

## Graduate School Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate School admission requirements.

## Program Requirements (30 hours)

The Master of Science in Libraries, Informatics, and Technology in Education requires a minimum of 30 hours.

Code	Title	Hours
<b>Required Courses</b>		
LITE 501	Program Organization	3
LITE 512	Issues in Libraries, Informatics, and Technology in Education	3
LITE 535	Survey of Educational Technology Practices <sup>1</sup>	3
LITE 537	Principles of Educational Technology Applications <sup>2</sup>	3
LITE 506	Organization of Information	3
LITE 508	Informatics in Education <sup>4</sup>	3
LITE 518	Advanced Children's Literature and Collections	3
LITE 527	Advanced Young Adult Literature and Collections	3
LITE 590	Practicum in Libraries, Informatics, and Technology in Education <sup>3</sup>	3
Select one of the following:		3
LITE 545	Educational Technology Production	
LITE 547	Integration of Educational Technology	
LITE 550	Emerging Technology in Education	
LITE 737	Educational Technology Leadership	
<b>Total Hours</b>		<b>30</b>

<sup>1</sup> Prerequisite for LITE 537.

<sup>2</sup> Transfer credit is not accepted for LITE 537 because it requires development and implementation of an instructional design project that is a foundational component of the practicum.

<sup>3</sup> The professional portfolio is the capstone requirement for the program. Students complete the portfolio as part of the practicum course. LITE 590 is considered the professional practice experience for this program.

<sup>4</sup> LITE 508 is the research methods course for this program.

## Certification Examination

While a certification examination is not a requirement to earn the Master of Science in LME, Kentucky does require a passing score on the PRAXIS II Subject Assessments-Library Media Specialist for certification as a school media librarian. Students outside of Kentucky are responsible for determining the requirements for certification in their states.

# Literacy Education, Master of Arts in Education (044)

## Program Coordinator

Janet L. Tassell, janet.tassell@wku.edu, (270) 745-5306

## Program Contact

Rachael Lee, rachael.lee@wku.edu (%20rachael.lee@wku.edu), (270) 745-2819

The Master of Arts in Education - The Literacy Education MAE is created to help teachers improve their literacy instruction at all grade levels and to gain leadership skills and knowledge to build and sustain successful literacy programs in schools and other settings.

## Program Admission

Students who seek advanced teacher certification must hold teaching certification.

Students may complete this program without teacher certification if they intend to pursue employment in a setting (where teacher certification is not required). This program does not provide initial teacher certification. Students who do not enter the program with a teaching certification are not eligible for the Reading P-12 endorsement, nor are they eligible for the Literacy Specialist endorsement.

## Graduate School Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate School admission requirements.

## Program Requirements (30 hours)

The Master of Arts in Literacy Education requires a minimum of 30 hours.

Code	Title	Hours
<b>Required Courses</b>		
LTCY 519	Literacy Development and Instruction <sup>1</sup>	3
LTCY 520	Clinical Diagnosis of Reading Variability	3
LTCY 521	Reading Intervention	3
LTCY 523	Assessment and Intervention of Reading and Writing <sup>1</sup>	3
LTCY 524	Content Area and Disciplinary Literacy <sup>1</sup>	3
LTCY 527	Diversity and Equity in Literacy Education <sup>1</sup>	3
LTCY 530	Literacy Development for Multilingual Learners	3
LTCY 532	Literacy Leadership and Coaching	3
LTCY 695	Practicum for Literacy Professionals <sup>2</sup>	3
<b>Elective</b>		
Any 500-level or 600-level course with prefix LTCY, EDU, PSY, ELED, IECE, LITE, SPED, GTE, ID, and ENG or other advisor approved elective		3
<b>Total Hours</b>		<b>30</b>

<sup>1</sup> Required courses for the Reading P-12 Endorsement. A certification examination is not a requirement to earn the Literacy Education MAE. However, the Kentucky State Department of Education does require a passing score on the PRAXIS II Assessment to earn the Literacy Specialist and/or the Reading P-12 Endorsement. Please contact the Office of Professional Educator Services for more information. For current PRAXIS II information and exam codes, please consult the Kentucky page of the Educational Testing Service (ETS) website, <https://www.ets.org/praxis/ky/requirements>.

<sup>2</sup> Capstone Experience occurs in LTCY 695 as creation and implementation of Professional Development and/or Coaching for school partners; observed by program faculty; evaluated by attendees and program faculty. The Capstone Experience will be created based upon knowledge acquired and gained during the program.

If the graduate student has already completed hours required for the program and the courses have already been counted on a prior degree, he/she must substitute other hours with advisor approval.

Hours above 30 may count toward Rank I.

## Literacy in Post-Secondary Settings, Certificate (0462)

### Program Coordinator

Janet L. Tassell, janet.tassell@wku.edu, (270) 745-5306

### Program Contact

Rachael Lee, rachael.lee@wku.edu (%20rachael.lee@wku.edu), (270) 745-2819

The Literacy in Post-Secondary Settings Certificate provides graduate students with essential skills and instructional strategies to provide support for literacy learners and aligns with the Senate Bill 1 (2009) mandate for P-20 alignment of the Kentucky Core Academic Standards for English/Language Arts. This 18 credit-hour certificate is appropriate for, but not limited to, instructors at community colleges, technical schools, and adult education institutions. Courses within the Literacy in Post-Secondary Settings Certificate are not appropriate for certified teachers and do not count toward the MAE-Literacy Education degree program.

## Program Admission

Persons applying to the Literacy in Post-Secondary Settings Certificate must be admitted to Graduate Studies, and submit an application, two letters of recommendation, and statement of professional goals. For applicants from non-English speaking countries a minimum TOEFL paper score of 550, or a score of 79 on the internet based test, is required.

## Graduate School Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate School admission requirements.

## Program Requirements (18 hours)

Code	Title	Hours
<b>Required Courses</b>		
LTCY 500	Fundamentals of Reading and Related Language Arts	3

LTCY 501	Reading and Writing for Learning	3
LTCY 502	Differentiating Literacy Instruction	3
LTCY 503	Assessment and Evaluation of Reading and Writing	3
LTCY 504	Strategy-Based Reading and Writing Intervention	3
LTCY 505	Job-Embedded Literacy Methods	3
<b>Total Hours</b>		<b>18</b>

## Literacy P-12, Certificate (1750)

### Program Coordinator

Janet L. Tassell, janet.tassell@wku.edu, (270) 745-5306

### Program Contact

Rachael Lee, rachael.lee@wku.edu (%20rachael.lee@wku.edu), (270) 745-2819

The Literacy P-12 certificate is meant for teachers and students in education-related fields who are interested in adding to their knowledge of literacy education. Coursework includes the topics of literacy development and instruction, assessment and intervention of reading and writing, content area and disciplinary literacy, and diversity and equity in literacy education.

### Admission Requirements

#### Graduate School Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate School admission requirements.

#### Program Requirements (15 hours)

Code	Title	Hours
<b>Required Courses</b>		
LTCY 519	Literacy Development and Instruction	3
LTCY 523	Assessment and Intervention of Reading and Writing	3
LTCY 524	Content Area and Disciplinary Literacy	3
LTCY 527	Diversity and Equity in Literacy Education	3
Any 500-level or 600-level course with prefix LTCY, EDU, PSY, ELED, IECE, LITE, SPED, GTE, ID, and ENG or other advisor approved elective		3
<b>Total Hours</b>		<b>15</b>

A certification examination is not a requirement to earn this certificate. However, the Kentucky State Department of Education does require a passing score on the PRAXIS II Assessment to earn the Reading P-12 Endorsement. Please contact the Office of Professional Educator Services for more information. The endorsement is only available to students with current teaching certificates.

## Middle Grades Education for Initial Certification, Master of Arts in Teaching (0458)

### Program Coordinator

Janet L. Tassell, janet.tassell@wku.edu, (270) 745-5306

### Program Contact

Rachael Lee, rachael.lee@wku.edu (%20rachael.lee@wku.edu), (270) 745-2819

The MAT in Middle Grades Education for Initial Certification leads to initial certification in Middle Grades Education (grades 5-9) for qualified individuals with bachelor's degrees and content majors (or equivalent for those who qualify for temporary provisional certification in approved areas). Course work and experiences in the program provide students who have a deep knowledge of their respective disciplines, but no background in professional education, with the pedagogical knowledge and skills to become highly qualified educators in their fields. Upon completion of the program, graduates will be professional educators who possess the dispositions and skills to apply state-of-the-art, evidence-based, best teaching practices to increase student achievement.

There are three concentrations in this program:

1. Alternate Route to Certification Concentration for English/Language Arts, Social Studies, Mathematics, and Science (EARC)
2. Standard Concentration for English/Language Arts, Social Studies, Mathematics, and Science (ESTN)
3. Residency Concentration for Science and Mathematics (ERSM) (e.g. GSKyTeach)

Note that Concentrations 1 and 2 appear identical; however, the differences between these concentrations are characterized by students with and without a temporary provisional teaching certificate and those who must meet the equivalent of the state required student teaching requirements along with the specific content area in which students are seeking certification.

Students in all three concentrations are expected to become competent in theory, research, and application of best teaching practices in their respective fields and to exhibit appropriate teacher disposition behaviors as indicated by the College of Education and Behavioral Sciences Disposition Rating Form. All professional education courses in the program require satisfactory completion of critical performance indicators (CPIs); these must be submitted as directed before the final course grade is recorded. Each course's CPIs become a part of the student's portfolio that is reviewed periodically throughout the program.

Students who seek admission to the Alternate Route to Teacher Certification must meet additional requirements in order to qualify for temporary provisional certification, and they must complete all requirements for certification within three years of the time of employment by a school district. A recommendation for professional certification will be contingent upon successful completion of the Kentucky Teacher Internship Program (KTIP) and submission of qualifying scores on all required examinations for the desired area of certification. Additional information about the Alternate Route to Teacher Certification concentrations may be found on the website for the Office of Professional Educator Services.

Upon successful completion of the MAT in Middle Grades Education for Initial Certification and satisfaction of all other certification requirements, student who do not participate in the Alternate Route to Certification concentrations but participate in the Standard Concentration will qualify for a Statement of Eligibility for Certification. The Internship course for these students must be a full semester or equivalent in length. Students in the residency (e.g. GSKyTeach) concentration must meet all expectations associated with that residency program.

### Concentration(s)

- Alternate Route to Certification (EARC)
- Standard (ESTN)
- Residency for Science and Math (ERSM)

## Program Admission

Applicants must meet one of the following, depending upon the chosen concentration.

### Standard Concentration and the Alternate Route to Certification Concentration

- Document completion of a baccalaureate degree with a major, or equivalent, in an approved certification area and from an accredited institution.
- Be recommended for admission following a transcript review by an MAT advisor associated with the certification area sought. (If deficiencies are cited the applicant may be required to take additional undergraduate courses.)
- Submit a letter of application including professional goals
- Document a cumulative overall grade point average (GPA) of 2.75 or above (counting all course work, undergraduate and graduate) OR a GPA of 3.0 in the last 30 hours of course work (counting all course work, undergraduate and graduate).
- Submit a passing score on the appropriate PRAXIS II test in major area.
- Submit state minimum passing scores for GRE or CASE for admission to the professional education unit.
- Submit a successful criminal background check.
- Submit the following documentation prior to acceptance to Graduate School: 3 references, physical (including TB test), and a signed code of ethics.

### Residency Concentration for Science and Mathematics Educators

- A baccalaureate degree with a major in physics, chemistry, or mathematics with a 2.5 GPA in the major area of concentration.
- A minimum undergraduate GPA of 2.75.
- Satisfaction of state minimum requirements for GRE or PPST qualifying scores for admission to the professional education unit.
- A successful criminal background check.
- A passing score on the PRAXIS II test in the major area. (This score must be submitted within the first semester of enrollment in the teacher residency program.)
- Documentation to demonstrate that applicant meets all expectations for employment with the partnership school districts.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30-36 hours)

### Standard Concentration (36 hours) and Alternate Route to Certification Concentration (36 hours)

(for English/Language Arts, Social Studies, Mathematics, and Science (Middle Grades 5-9))

Code	Title	Hours
<b>Required Courses</b>		
Professional Education Component		
EDU 589	Advanced Internship for the MAT	6
EDU 520	Planning for Instruction <sup>1</sup>	3
PSY 510	Advanced Educational Psychology	3
LTCY 510	Methods of Teaching Literacy to Adolescents	3
EDU 522	Foundations of Differentiated Instruction	3
EDU 570	Educational Assessment for P-12 Learners	3
TCHL 520	Principles of Action Research for Teacher Leaders	3
or EDFN 500	Research Methods	
Program-specific content methods course approved by the advisor		3
LITE 535	Survey of Educational Technology Practices	3
<b>Electives</b>		
Advisor approved content electives from the student's teaching discipline. The course selections must be approved by the candidate's advisors in consultation with a representative from the candidate's teaching discipline.		6
<b>Total Hours</b>		<b>36</b>

<sup>1</sup> Must be taken in the first 6 hours

### Residency Concentration (30 hours)

(for Science and Mathematics Education (e.g. GSKyTeach))

Code	Title	Hours
<b>Required Courses</b>		
Professional Education Component		
SMED 590	Teaching Internship	8
SMED 501	Designing Instructional Sequences in Secondary Math and Science	3
SMED 510	Advanced Topics in Knowing and Learning in Mathematics and Science	3
SMED 589	Science and Mathematics Education Internship Seminar	3
SMED 530	Literacy Support for Diverse Learners in Mathematics and Science	3

SMED 520	Management for Positive Learning Environments	3
SMED 560	Developing Professional Learning Communities for Instructional Improvement	3
SMED 620	Collaborative Research to Improve Mathematics and Science Teaching	3
SMED 630	Action Research Seminar	1
<b>Total Hours</b>		<b>30</b>

## Middle Grades Education, Rank I (158)

### Program Coordinator

Janet L. Tassell, janet.tassell@wku.edu, (270) 745-5306

### Program Contact

Rachael Lee, rachael.lee@wku.edu (%20rachael.lee@wku.edu), (270) 745-2819

This non-degree program leads to eligibility for Rank I.

### Concentration(s)

- Environmental Education (KEV)
- Gifted Education Endorsement (KE37)
- Kentucky Computer Technology (KCT)
- Middle Grades English (K30)
- Middle Grades Math (K71)
- Middle Grades Science (K50)
- Middle Grades Social Studies (K20)
- Teaching English as a Second Language Endorsement (KE36)

Program Admission

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30 hours)

This program requires 30 semester hours in addition to the requirements for a Planned Fifth-Year program, or 60 semester hours including a master's degree.

Code	Title	Hours
<b>Required Courses</b>		
Professional Education Component		
EDU 601	Seminar: Advanced Professional Development Plan <sup>1</sup>	1
ELED 603	Advanced Seminar Elementary Curriculum	3
EDU 604	Management Learning Environment	3
SPED 516	The Exceptional Child: Perspectives and Issues <sup>2</sup>	3
EDU 698	Seminar: Advanced Portfolio Project <sup>3</sup>	2
<b>Electives</b>		

Advisor-approved professional courses	6
Advisor-approved specialization courses	12
<b>Total Hours</b>	<b>30</b>

<sup>1</sup> Students should enroll in EDU 601 within the first 7 hours of course work in the Non-Degree Planned Rank I or Specialist Degree.

<sup>2</sup> An approved elective may be substituted if an introductory Exceptional Education course is on the student's transcript.

<sup>3</sup> Students should enroll in EDU 698 after completing at least 24 hours of course work in the Non-Degree Planned Rank I or Specialist Degree.

## Secondary Education, Rank I (124)

### Program Coordinator

Janet L. Tassell, janet.tassell@wku.edu, (270) 745-5306

### Program Contact

Rachael Lee, rachael.lee@wku.edu (%20rachael.lee@wku.edu), (270) 745-2819

This non-degree program leads to eligibility for Rank I.

### Concentration(s)

- Agriculture (KAG)
- Art (KAR)
- Biology (KBI)
- Business and Marketing Education (KBU)
- English and Allied Language Arts (KEN)
- Environmental Education (KEV)
- Family and Consumer Sciences (KFA)
- French (KFR)
- German (KGR)
- Gifted Education Endorsement (KE37)
- Health Education (KHE)
- Industrial Sciences (KIT)
- Kentucky Computer Technology (KCT)
- Mathematics (KMA)
- Music Education (KMU)
- Physical Education (KPE)
- Social Studies (KSS)
- Spanish (KSP)
- Teaching English as a Second Language Endorsement (KE36)

Program Admission

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30 hours)

This program requires 30 semester hours in addition to the requirements for a Planned Fifth-Year program, or 60 semester hours including a master's degree.



Code	Title	Hours
<b>Required Courses</b>		
<b>Professional Education Component</b>		
EDU 604	Management Learning Environment	3
EDU 501	Seminar: Designing Professional Development Plan <sup>1</sup>	2
EDU 596	Seminar: Portfolio Development and Professional Educator Growth Plan <sup>2</sup>	1-2
<b>Electives</b>		
Related Professional Courses (Chosen with advisor)		
Select one of the following options:		7-13
Option A (Secondary Education Major):		
Select 13 hours including SPED 516		
Option B (Secondary Education Minor):		
Select 7 hours including SPED 516 <sup>3</sup>		
Related Specialization Courses (Chosen with advisor)		
Select one of the following options:		12-18
Option A (Secondary Education Major):		
Select 12 hours		
Option B (Secondary Education Minor):		
Select 18 hours		
<b>Total Hours</b>		<b>30</b>

<sup>1</sup> Students should enroll in this course within the first 7 hours of the program.

<sup>2</sup> Students should enroll in EDU 698 if EDU 596 appears on the transcript. Students should enroll in this course upon completion of at least 24 hours.

<sup>3</sup> An approved elective may be substituted if an introductory Exceptional Education course is on the student's transcript.

## Secondary Education, Rank II (0432)

### Program Coordinator

Janet L. Tassell, janet.tassell@wku.edu, (270) 745-5306

### Program Contact

Rachael Lee, rachael.lee@wku.edu (%20rachael.lee@wku.edu), (270) 745-2819

This non-degree program is designed to develop Teacher Leaders who can positively impact student learning in their classrooms and schools. Courses and experiences include Professional Learning Communities in which students interact with other graduate students from various content areas and grade levels to discuss and work on real world challenges and promising practices they encounter in schools. The program is divided into two instructional components.

The first component, Professional Education, provides advanced level pedagogy, leadership, and content related to Kentucky Teacher Standards and applicable to all P-12 teachers working in the wide gamut of developmental levels and content areas.

The second component, Specialization, directs the candidate into an individual program in content, pedagogy, and/or areas of professional growth concurrent with the goals of each candidate.

## Concentration(s)

- Agriculture (KAG)
- Art (KAR)
- Biology (KBI)
- Business and Marketing Education (KBU)
- English and Allied Language Arts (KEN)
- Environmental Education (KEV)
- Family and Consumer Sciences (KFA)
- French (KFR)
- German (KGR)
- Gifted Education Endorsement (KE37)
- Health Education (KHE)
- Industrial Sciences (KIT)
- Kentucky Computer Technology (KCT)
- Mathematics (KMA)
- Music Education (KMU)
- Physical Education (KPE)
- Social Studies (KSS)
- Spanish (KSP)
- Teaching English as a Second Language Endorsement (KE36)

## Program Admission

Applicants must have or be eligible for a teaching certificate<sup>1</sup> for Secondary Education (Grades 8-12, 5-12, or P-12).

<sup>1</sup> Applicants whose certificates have expired may be admitted, but they may enroll for only six hours before they must apply to the EPSB for re-issued certificates. After completion of six hours, a student admitted with an expired certificate must submit a copy of the re-issued certificate before being allowed to register for any additional courses.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (33-39 hours)

During the first course in the program, TCHL 500, students will complete an assessment process that will be used in determining which TCHL core courses they must take. Students are expected to enroll in TCHL 500 at the beginning of their program and in TCHL 560 toward the end, and in general, students should complete the professional education core (the TCHL courses except TCHL 560) as early as possible. Students should consult with their advisors regarding the optimal sequence of course work to meet their professional goals. An Action Research Project for Teacher Leaders focusing on a classroom, school, or district issue is the capstone for the completion of the program.

Code	Title	Hours
<b>Required Courses</b>		
<b>Professional Education Core</b>		
TCHL 500	Foundations of Teacher Leadership <sup>1</sup>	3
TCHL 530	Curriculum Development	3
TCHL 545	Classroom Instruction Strategies <sup>2</sup>	3

TCHL 555	School and Classroom Assessment 2	3
TCHL 559	Capstone Project Design for Teacher Leadership	1
TCHL 560	Capstone Project for Teacher Leadership	3

#### Mid-Point Assessment Requirements

To ensure master's candidates are proficient on Advanced Level Teacher Standards, it is recommended that a majority of the Critical Performances associated with the above TCHL courses be completed prior to the Specialization Component. Students must achieve an average of 3.0 on all Critical Performances and an average score of 3 on dispositions even though a candidate's program of studies does not include the courses. Additional course work may be required based on the assessment results.

#### Electives

Specialization Component	17-23
Advisor-approved content-specific courses (6 hrs)	
Advisor-approved education course (3 hrs)	
Additional Electives (8-14 hrs) <sup>3</sup>	

**Total Hours** **33-39**

<sup>1</sup> While enrolled in TCHL 500, students will use several documents, including their KTIP assessments or in-kind examples, dispositions self-surveys, referrals from school personnel, and their respective School Improvement Plans, to develop with their respective program advisors individualized programs of study of 30-37 hours related to Kentucky Teacher Standards and professional goals. Each student's program of study will include some or all of the TCHL courses, plus additional education-related or content courses.

<sup>2</sup> All students must complete these courses or pass proficiency evaluations for these courses.

<sup>3</sup> With advisor approval, students may select appropriate elective courses from: discipline in which the student is certified; academic disciplines related to P-12 common core standards; CEBS content courses in exceptional education, interdisciplinary early childhood education, library media education, literacy, or psychology; and approved endorsements (e.g., English as a Second Language, Gifted and Talented Education, Environmental Education, Instructional Computer Technology).

#### Program Completion Requirements

- Successfully complete TCHL 560 (Course grade of C or higher).
- Give acceptable presentation of action research in an approved venue.
- Achieve a minimum 2.5 GPA in course work.

## Special Education for Initial Certification, Master of Arts in Teaching (0456)

#### Program Coordinator

Janet L. Tassell, janet.tassell@wku.edu, (270) 745-5306

#### Program Contact

Rachael Lee, rachael.lee@wku.edu (%20rachael.lee@wku.edu), (270) 745-2819

The Special Education Initial Certification program, which will lead to a Master of Arts in Teaching, is for individuals seeking initial certification in learning and behavioral disorders (LBD) or moderate and severe disabilities (MSD) and may or may not be currently employed as a teacher of students with LBD or MSD. This option is for those individuals with no prior teacher certification in any area. This 33-hour program consists of coursework in induction to the profession of special education, the diagnosis and assessment of disabilities, instructional strategies, data-based individualization, managing behavior and positive behavior supports, transition planning, and special education law. If a student is currently employed or has verification of employment from a school district, the student may be eligible for a Temporary Provisional Teaching Certificate (CA-TP). If the student does not secure employment as the teacher of record in an LBD or MSD setting during the program, the student will be required to complete the equivalent of the state required student teaching experience in an unpaid position in an accredited Public School within WKU's service area. Graduates completing the equivalent of a student teaching experience will be eligible for a Statement of Eligibility for certification as a teacher of students with LBD or MSD.

Students must submit passing scores on the Praxis and be fully admitted to the professional education unit (teacher admissions) PRIOR to enrolling in SPED 590. Students must meet all state requirements for student teaching and initial certification. SPED 590 should be taken as the final course of the program. Courses in the program carry key assessments that must be completed before the final course grade will be recorded. Performance on coursework and key assessments is reviewed at the end of each semester to measure progress through the program.

*Note: To be eligible to be recommended for teacher certification, students must document that they have received passing score(s) on the required Praxis examination(s).*

## Program Admission

To be considered for admission, applicants must:

- Document completion of a bachelor's degree with a major, or equivalent, in an approved subject area and from an accredited institution.
- Present a letter of application (including professional goals). Document a cumulative overall grade point average (GPA) of 2.75 or above (counting all course work, undergraduate or graduate) OR a GPA of 3.0 in the last 30 hours of course work (counting all course work, undergraduate and graduate).
- Please reach out to Rachael Lee (rachael.lee@wku.edu) for departmental application including: references, physical including TB test, signed commitment to uphold the code of ethics, and criminal background check.

#### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (33 hours)

Code	Title	Hours
<b>Required Courses</b>		
EDU 502	Positive Learning Environment	3

SPED 517	Transition Services and Programs for Individuals with Disabilities	3
SPED 630	Special Education Law and Finance	3
SPED 618	Social Skills Instruction & Behavioral Programming for Students with Disabilities	3
SPED 590	Advanced Internship in Special Education <sup>1</sup>	6
<b>Total Hours</b>		<b>18</b>

<sup>1</sup> Students currently teaching in a classroom serving students with learning and behavior disorders (LBD) or moderate and severe disabilities (MSD) (depending on concentration area) may use their current teaching position to meet this requirement with advisor approval. Students not currently teaching must complete an internship experience equivalent to state requirements for student teaching in a classroom serving students with LBD or MSD.

## Tracks

Learning and Behavior Disorders (15 hours)

Code	Title	Hours
<b>Required Courses</b>		
SPED 530	Advanced Assessment of Students with Disabilities in General Education	3
SPED 531	Data-Based Individualization in Special Education	3
SPED 525	Intervention Support for Students with Dyslexia and Other Reading Disabilities	3
SPED 515	Introduction to Special Education	3
LTCY 519	Literacy Development and Instruction	3
<b>Total Hours</b>		<b>15</b>

Moderate and Severe Disabilities (15 hours)

Code	Title	Hours
<b>Required Courses</b>		
SPED 535	Curriculum for Individuals with Moderate and Severe Disabilities	3
SPED 615	Instructional Strategies for Students with Moderate and Severe Disabilities	3
SPED 529	Assessment of Students with Moderate to Severe Disabilities	3
SPED 610	Characteristics of Low Incidence Disorders	3
SPED 612	Collaboration between Schools and Stakeholders for Individuals with Disabilities	3
<b>Total Hours</b>		<b>15</b>

## Special Education for Learning and Behavior Disorders, Master of Arts in Education (0457)

### Program Coordinator

Janet L. Tassell, janet.tassell@wku.edu, (270) 745-5306

### Program Contact

Rachael Lee, rachael.lee@wku.edu (%20rachael.lee@wku.edu), (270) 745-2819

The MAE Special Education program in Learning and Behavioral Disorders offers courses and experiences for the advanced preparation of special education teachers who teach students with high incidence disabilities.

## Program Admission

Applicants must have or be eligible for a teaching certificate and must submit a copy of the certificate or statement of eligibility with their applications.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30 hours)

Code	Title	Hours
EDU 502	Positive Learning Environment	3
SPED 517	Transition Services and Programs for Individuals with Disabilities	3
SPED 630	Special Education Law and Finance	3
SPED 618	Social Skills Instruction & Behavioral Programming for Students with Disabilities	3
SPED 590	Advanced Internship in Special Education	3
SPED 530	Advanced Assessment of Students with Disabilities in General Education	3
SPED 525	Intervention Support for Students with Dyslexia and Other Reading Disabilities	3
SPED 531	Data-Based Individualization in Special Education	3
SPED 501	Introduction to Applied Behavior Analysis	3
SPED 612	Collaboration between Schools and Stakeholders for Individuals with Disabilities	3
<b>Total Hours</b>		<b>30</b>

## Program Completion Requirements

- Students must successfully complete SPED 590 (course grade of Pass).
- Students must achieve a minimum 3.0 cumulative GPA overall and in program course work.

- Prior to earning certification, candidates must complete program requirements and meet praxis exam scores (see [www.ets.org](http://www.ets.org) (<http://www.ets.org>)).

## Special Education for Moderate and Severe Disabilities, Master of Arts in Education (0438)

### Program Coordinator

Janet L. Tassell, [janet.tassell@wku.edu](mailto:janet.tassell@wku.edu), (270) 745-5306

### Program Contact

Rachael Lee, [rachael.lee@wku.edu](mailto:rachael.lee@wku.edu) (%20rachael.lee@wku.edu), (270) 745-2819

The MAE Special Education program in Moderate and Severe Disabilities offers courses and experiences for the advanced preparation of special education teachers who teach students with low incidence disabilities.

## Program Admission

Applicants must have or be eligible for a teaching certificate and must submit a copy of the certificate or statement of eligibility with their applications.

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (33 hours)

This program will focus on the assessment, instructional strategies, and/or areas of professional growth consistent with serving students with Moderate and Severe Disabilities.

Code	Title	Hours
EDU 502	Positive Learning Environment	3
SPED 517	Transition Services and Programs for Individuals with Disabilities	3
SPED 630	Special Education Law and Finance	3
SPED 618	Social Skills Instruction & Behavioral Programming for Students with Disabilities	3
SPED 590	Advanced Internship in Special Education	3
SPED 501	Introduction to Applied Behavior Analysis	3
SPED 535	Curriculum for Individuals with Moderate and Severe Disabilities	3
SPED 529	Assessment of Students with Moderate to Severe Disabilities	3
SPED 615	Instructional Strategies for Students with Moderate and Severe Disabilities	3
SPED 610	Characteristics of Low Incidence Disorders	3

SPED 612

Collaboration between Schools and Stakeholders for Individuals with Disabilities

3

## Program Completion Requirements

Prior to earning certification, candidates must complete program requirements and meet praxis exam scores (see [www.ets.org](http://www.ets.org) (<http://www.ets.org>)).

## Teacher Education for Initial Certification, MAT (0495)

### Program Coordinator

Janet L. Tassell, [janet.tassell@wku.edu](mailto:janet.tassell@wku.edu), (270) 745-5306

### Program Contact

Rachael Lee, [rachael.lee@wku.edu](mailto:rachael.lee@wku.edu) (%20rachael.lee@wku.edu), (270) 745-2819

The MAT in Teacher Education for Initial Certification provides students with the pedagogical knowledge and skills to become highly qualified educators who will apply state-of-the-art, evidence-based, best teaching practices to increase student achievement. Graduates will gain competencies in theory, research, and application of best teaching practices in their respective fields.

The degree offers three concentrations: Elementary Education (grades K-5); Middle or Secondary Education (grades P-12 or 5-9 or 8-12 depending on certification area); and, Secondary Science and Mathematics Residency (grades P-12).

Students in this program may or may not hold a temporary provisional teaching certificate. Program faculty advisors will assist students in selecting appropriate coursework and culminating experiences to meet their career goals. Contact the Office of Professional Educator Services for more information about teacher certification.

### Concentration(s)

- Elementary Education (EEED)
- Middle or Secondary Education (EMSE)
- Teaching English to Speakers of Other Languages (ETES)
- Secondary Science and Mathematics Residency (ERSM)

## Program Admission

- Official transcript documenting an earned baccalaureate degree with a major in an approved certification area (see lists in the Overview) with a cumulative GPA of 2.75.
- Please reach out to Rachael Lee ([rachael.lee@wku.edu](mailto:rachael.lee@wku.edu)) for departmental application including:
  - Letter of application including professional goals
  - Criminal background check
  - Three letters of reference
  - Physical examination (including TB test)
  - Signed code of ethics

- Meet required Praxis scores on the content major (does not apply to elementary education) – go to [www.ets.org](http://www.ets.org) (<http://www.ets.org>)

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30 Hours) Elementary Education Concentration (EEED)

Code	Title	Hours
<b>Required Courses</b>		
EDU 589	Advanced Internship for the MAT	6
PSY 510	Advanced Educational Psychology	3
SPED 515	Introduction to Special Education	3
LTCY 519	Literacy Development and Instruction	3
or LTCY 510	Methods of Teaching Literacy to Adolescents	
ELED 503	Organization of Elementary School Curriculum	3
ELED 505	Mat/Meth/Math/EI Teach	3
ELED 506	Seminar in Elementary School Science	3
ELED 507	Advanced Materials and Methods in Social Studies	3
ELED 509	Advanced Methods and Materials for Elementary Education	3
<b>Total Hours</b>		<b>30</b>

## Middle or Secondary Education Concentration (EMSE)

Code	Title	Hours
<b>Required Courses</b>		
EDU 589	Advanced Internship for the MAT	6
PSY 510	Advanced Educational Psychology	3
SPED 515	Introduction to Special Education	3
EDU 520	Planning for Instruction <sup>1</sup>	3
EDU 522	Foundations of Differentiated Instruction	3
EDU 570	Educational Assessment for P-12 Learners	3
LITE 535	Survey of Educational Technology Practices	3
LTCY 510	Methods of Teaching Literacy to Adolescents	3
Choose one content-specific methods course: <sup>2</sup>		3
SEC 534	Seminar in Mathematics Education	
SEC 535	Seminar in Music Education	
SEC 539	Seminar in Agriculture Education	
SEC 537	Seminar in Science Education	
SEC 538	Seminar in Social Studies Education	
SEC 546	Seminar in English Language Arts Methods	
SEC 573	Methods of Teaching Business and Marketing Education	

SEC 545	Investigations in Classroom Teaching	
<b>Total Hours</b>		<b>30</b>

<sup>1</sup> Should be completed within the first 9 hours.

<sup>2</sup> Other courses may be approved by advisor. Students may not duplicate courses from other completed programs.

## Teaching English to Speakers of Other Languages Concentration (ETES)

Code	Title	Hours
<b>Required Courses</b>		
EDU 589	Advanced Internship for the MAT	6
PSY 510	Advanced Educational Psychology	3
LTCY 519	Literacy Development and Instruction	3
or LTCY 510	Methods of Teaching Literacy to Adolescents	
ELED 503	Organization of Elementary School Curriculum	3
or EDU 520	Planning for Instruction	
EDU 522	Foundations of Differentiated Instruction	3
ENG 407G	Linguistic Analysis	3
ENG 408G	Psycholinguistics and Sociolinguistics	3
ENG 565	Integrated Teaching English as a Second Language	3
ENG 566	Seminar in Teaching English as a Second Language	3
<b>Total Hours</b>		<b>30</b>

## Secondary Science and Mathematics Residency Concentration (ERSM)

This is a cohort concentration. Please contact the School of Teacher Education prior to application for details.

Code	Title	Hours
<b>Required Courses</b>		
SMED 590	Teaching Internship	8
SMED 501	Designing Instructional Sequences in Secondary Math and Science	3
SMED 510	Advanced Topics in Knowing and Learning in Mathematics and Science	3
SMED 589	Science and Mathematics Education Internship Seminar	3
SMED 530	Literacy Support for Diverse Learners in Mathematics and Science	3
SMED 520	Management for Positive Learning Environments	3
SMED 560	Developing Professional Learning Communities for Instructional Improvement	3
SMED 620	Collaborative Research to Improve Mathematics and Science Teaching	3

SMED 630	Action Research Seminar	1
<b>Total Hours</b>		<b>30</b>

# COLLEGE OF HEALTH AND HUMAN SERVICES

Dr. Tania Basta, Dean  
 Dr. Danita Kelley, Senior Associate Dean  
 Academic Complex 208  
 (270) 745-2425  
 chhs@wku.edu  
 www.wku.edu/chhs (<http://www.wku.edu/chhs/>)

## Vision

To be an innovative leader in the student-centered, interprofessional preparation of health and human services professionals by providing students with an inclusive, community-engaged, and interdisciplinary academic experience.

## Mission

We prepare health and human services professionals who will work to improve the quality of life in their communities and beyond.

The College of Health and Human Services (CHHS) consists of seven academic units that represent an array of disciplines, and offers degrees at the associate, baccalaureate, masters, and doctoral degree levels.

Academic units include: Applied Human Sciences; Communication Sciences and Disorders; Nursing and Allied Health; Kinesiology, Recreation, and Sport; Physical Therapy; Public Health; and Social Work.

CHHS oversees the South Central Kentucky Area Health Education Center, the Center for Environmental and Workplace Health, the Center for Applied Science in Health and Aging, the LifeSkills Center for Child Welfare Education and Research, and the WKU Cardiopulmonary Resuscitation Center. CHHS is also one of the participating institutions for the doctoral program in Rehabilitation Sciences offered through the University of Kentucky. The focus of 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. Faculty are highly qualified in their respective disciplines and utilize innovative teaching strategies along with state of the art instructional technology, including IVS, web-enhanced and web-based instruction.

The disciplines in the college have their roots in outreach to the community. Disciplines in CHHS prepare students for their professions by engaging them in activities within the community that apply the theories and concepts discussed in the classroom for a more comprehensive understanding of the issues, while providing a valuable service to the communities in which we reside. To fulfill degree requirements for most programs, students are required to complete clinical experiences, field work, or internships through one of the many affiliation agreements at a myriad of health and human services facilities, agencies and organizations.

Due to the nature of these experiences, students are required to meet various departmental or school academic requirements and federal and/or state mandates. Departments and schools may require the successful completion of specific courses or maintaining a certain GPA in order to be placed in clinical or internship experiences. Some students may be required to undergo criminal background checks and drug testing and to provide proof of health insurance, liability insurance, and/or immunization records prior to participating in any required experiences at selected on or off-campus facilities/agencies. Additionally, there may be certifications,

training seminars, or other requirements specified by the facility/agency or program that a student must meet in order to be eligible for field or practical experiences at a facility. It is the responsibility of the student to ensure that all institutional and/or facility requirements are met as a condition of participating in the on or off-campus experiences; students may be responsible in part or in full for any costs incurred to meet such requirements. Students are also responsible for transportation to and from off-campus experiences. In some CHHS programs, the students are responsible for rental fees for clinical instruments and supplies, purchasing uniforms, equipment, and possible course and program fees above the regular tuition. At the completion of the program, students may also be responsible for fees related to national, regional, and/or state licensing exams.

## Institute for Rural Health (IRH)

<https://www.wku.edu/irh/>  
 Dr. Kim Link (kim.link@wku.edu), Co-Director  
 (270) 745-5022

Dr. Qingfang Song (qingfang.song@wku.edu), Co-Director  
 (270) 745-4229

The mission of the Institute for Rural Health is to advance the health and well-being of rural and underserved populations in Kentucky and develop innovations in the training of the next generation of healthcare professionals. The IRH vision is to support and promote the health of rural and under-served Kentuckians through research, service, and education. The Institute desires to establish collaborative relationships with community organizations, agencies, and healthcare providers seeking to serve the health needs of rural and underserved populations in Kentucky.

## South Central Kentucky Area Health Education Center (AHEC)

[www.wku.edu/scahec/](http://www.wku.edu/scahec/) (<http://www.wku.edu/scahec/>)  
 Catherine Malin, Director  
 Academic Complex 405  
 (270) 745-3325

*Connecting Students to Careers - Professionals to Communities - Communities to Better Health*

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:

- MCAT Prep Advantage - A program for pre-med students that combines online MCAT prep, shadowing, mock interviews, and personal statement review.
- Mock interviews and personal statement reviews for all health and pre-health profession students.

- Student internships – Undergraduate and graduate.
- Bridging the Gap Medical Interpreter Training Program – A 40-hour course offered several times a year that prepares students to provide medical interpreting services.
- AHEC Scholars - A two year, advanced-learning program which prepares health profession students to be leaders in their field. Throughout the program, students collaborate across health disciplines and geographic regions as they prepare to practice in the ever-evolving healthcare field. This is a national program conducted by all AHECs and funded by the Health Resources Services Administration.
- Greenview Shadowing Program – A semester- long program for students interested in shadowing healthcare professionals at the hospital.
- State Registered Nurse Aide (SRNA) – This class prepares students to take the written and skills test to become an SRNA which can lead to employment in long term care facilities and acute care hospitals.

## Center for Environmental and Workplace Health (CEWH)

[www.wku.edu/cewh](http://www.wku.edu/cewh) (<https://www.wku.edu/cewh/>)

Dr. Gretchen Macy ([gretchen.macy@wku.edu](mailto:gretchen.macy@wku.edu)), Co-Director  
(270) 745-5870

Dr. Edrisa Sanyang ([edrisa.sanyang@wku.edu](mailto:edrisa.sanyang@wku.edu)), Co-Director  
(270) 745-3500

Mission: To be a leading applied research center specializing in environmental and workplace health, and occupational safety and health to improve the health of communities in South Central Kentucky and beyond.

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.

## Center for Applied Science in Health and Aging (CASHA)

Dr. Mark Schafer ([mark.schafer@wku.edu](mailto:mark.schafer@wku.edu)), Director  
(270) 745-5857

Dr. Jason Crandall ([jason.crandall@wku.edu](mailto:jason.crandall@wku.edu)), Assistant Director  
(270) 745-2077

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.

## LifeSkills Center for Child Welfare Education and Research (LCCWEAR)

[www.wku.edu/childwelfare](http://www.wku.edu/childwelfare) (<https://www.wku.edu/childwelfare/>)

Dr. Austin Griffiths ([austin.griffiths@wku.edu](mailto:austin.griffiths@wku.edu)), Director  
(270) 745-2676

The LifeSkills Center for Child Welfare Education and Research was established in CHHS as an applied research center designed to utilize multidisciplinary partnerships and collaborations to positively impact Kentucky's children and families through research, grants, and education. The Center will build on partnerships with statewide constituents to provide best practices in child welfare education. The Center will engage in child welfare research and grant activities that promote and support effective practice interventions with Kentucky's children and families.

## Cardiopulmonary Resuscitation (CPR) Training Center

[www.wku.edu/scahec/cpr.php](http://www.wku.edu/scahec/cpr.php) (<https://www.wku.edu/scahec/cpr.php>)

Gerita Cook ([gerita.cook@wku.edu](mailto:gerita.cook@wku.edu)), Coordinator  
(270) 745-3762

The WKU CPR Training Center is dedicated to upholding the standards of the American Heart Association in accountability for instructors as well as excellent classroom training for the campus and the community. Classes are available to all faculty, staff, and students; as well as the general community.

Available classes include:

- ACLS - Advanced Cardiovascular Life Support
- PALS - Pediatric Advanced Life Support
- ASLS - Advanced Stroke Life Support
- BLS - Basic Life Support for Healthcare Providers
- Heartsaver Courses: Heartsaver CPR, AED, First Aid, and Bloodborne Pathogens certification

## Departments, Schools, and Programs

- Department of Applied Human Sciences (p. 89)
  - Dietetic Practice, Certificate (0451) (p. 89)
- Department of Communication Sciences and Disorders (p. 89)
  - Speech-Language Pathology, Master of Science (0466) (p. 90)
- Department of Physical Therapy (p. 91)
  - Physical Therapy, Doctor of Physical Therapy (0013) (p. 92)
- Department of Public Health (p. 94)
  - Environmental and Occupational Health Science, Master of Science (0473) (p. 94)
  - Epidemiology, Certificate (1751) (p. 96)
  - Global Health Administration, Certificate (1735) (p. 96)
  - Health Administration, Master of Health Administration (153) (p. 96)
  - Health Education, Certificate (0494) (p. 97)
  - Occupational Safety and Health, Certificate (1779) (p. 98)



- Public Health, Master of Public Health (152) (p. 98)
  - Workplace Health Promotion, Certificate (1746) (p. 99)
  - Department of Social Work (p. 100)
    - School Social Work, Certificate (1789) (p. 100)
    - Social Work, Master of Social Work (157) (p. 101)
    - Trauma and Resilience, Certificate (1787) (p. 102)
  - School of Kinesiology, Recreation and Sport (p. 103)
    - Facility and Event Management, Certificate (0455) (p. 103)
    - Intercollegiate Athletic Administration, Certificate (0481) (p. 103)
    - Kinesiology, Master of Science (0454) (p. 104)
    - Nonprofit Administration, Certificate (0463) (p. 106)
    - Recreation and Sport Administration, Master of Science (095) (p. 106)
  - School of Nursing and Allied Health (p. 108)
    - Family Nurse Practitioner, Post-MSN Certificate (0449) (p. 108)
    - Nursing Practice, Doctor of Nursing Practice (0011) (p. 109)
    - Nursing, Master of Science in Nursing (149) (p. 111)
    - Psychiatric Mental Health Nurse Practitioner, Post-MSN Certificate (0479) (p. 114)
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## Department of Applied Human Sciences

Dr. Ann E. Embry, Interim Department Chair  
Academic Complex 302F  
(270) 745-4352  
ahs@wku.edu

### Programs

- Dietetic Practice, Certificate (0451) (p. 89)

### Faculty

#### Professor

Darbi J. Haynes-Lawrence PhD (Special Education), Indiana University-Bloomington, 1998  
Danita M. Kelley PhD (Nutritional Science), University of Kentucky, 1994  
Travis K. Wilson MARCH (Architecture), University of Oklahoma Norman, 1998

#### Associate Professor

Ann E. Embry PhD (Hospitality Management), Iowa State University, 2017  
Karen G. Mason PhD (Nutritional Science), University of Kentucky, 2002  
Heather M. Payne-Emerson PhD (Nutritional Science), University of Kentucky, 2010  
Qingfang Song PhD (Developmental Psychology), Cornell University, 2016  
Adam R. West PhD (Human Development and Family Science), University of Texas at Austin, 2013

## Dietetic Practice, Certificate (0451)

#### Program Coordinator

Ann E. Embry, ann.embry@wku.edu, (270) 745-4031

This graduate certificate program provides the knowledge and practice requirements established by the Accreditation Council for Education in Nutrition and Dietetics to be eligible to take the Registered Dietitian Nutritionist (R.D.N.) examination. Only students accepted into the WKU Dietetic Internship will be eligible for admittance to the Graduate Certificate in Dietetic Practice.

### Program Admission

Acceptance into the Dietetic Internship is competitive and is managed through a national matching process. The Dietetic Internship Program/Graduate Certificate requires the completion of 15 graduate credit hours and a minimum of 1200 hours of supervised practice in a variety of practice settings, including hospitals, long-term care/skilled nursing facilities, community nutrition programs, and other health/community organizations.

Applicants must meet the following requirements for entrance into the Dietetic Internship/Graduate Certificate:

- Completed a Baccalaureate degree.
- Earned an overall GPA of 3.0 on a 4.0 scale.
- Scored a minimum on the Graduate Record Examination of 142 on Quantitative and 144 on Verbal. All scores must be within 5 years of the time of application.
- Completed a Didactic Program in Dietetics (DPD) prior to the start date of the internship.

- Submitted a signed Declaration of Intent to Complete Degree or Verification Statement. Once accepted into the program, all interns must submit signed Verification Statements prior to the start date.
- Submitted online application through the national centralized application system. More information regarding the application process is available at [www.wku.edu/ahs/dieteticinternship/index.php](http://www.wku.edu/ahs/dieteticinternship/index.php) (<http://www.wku.edu/ahs/dieteticinternship/>).
- Submitted an application for admission to WKU Graduate Studies with appropriate fee (after being accepted into the Dietetic Internship).

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (15 hours)

Code	Title	Hours
<b>Required Courses</b>		
HMD 583	Foodservice Systems Management	3
HMD 584	Community Nutrition Program Management	3
HMD 586	Medical Nutrition Therapy in Practice	3
HMD 587	Seminar in Concepts and Methods of Dietetic Practice	3
BA 510	Advanced Organizational Behavior	3
<b>Total Hours</b>		<b>15</b>

## Department of Communication Sciences and Disorders

Kimberly Green, Department Chair  
Academic Complex 104  
(270) 745-4541  
communicationdisorders@wku.edu

#### Accreditation

The Master of Science in Speech-Language Pathology at Western Kentucky University is accredited by:  
The Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language-Hearing Association (<http://caa.asha.org/>)  
2200 Research Boulevard, #310  
Rockville, MD 20850  
800-498-2071 or 301-296-5700  
accreditation@asha.org

### Programs

- Speech-Language Pathology, Master of Science (0466) (p. 90)

### Faculty

#### Associate Professor

Kimberly J. Green EdD (Educational Leadership, Postsecondary Leadership), Western Kentucky University, 2015

#### Assistant Professor

Jenny M. Burton PhD (Communication Disorders and Sciences), University of Cincinnati Main Campus, 2019

Amy E. Engelhoven PhD (Communication Disorders and Sciences),  
University of Arkansas Main Campus, 2016  
Ashley C. Fox PhD (Educational Leadership and Organizational  
Development), University of Louisville, 2010

### Clinical Assistant Professor

Brittney R. Vickous MS (Communication Disorders), Western Kentucky  
University, 2011

### Clinical Associate Professor

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

## Speech-Language Pathology, Master of Science (0466)

### Program Coordinator

Kimberly J. Green, kimberly.green@wku.edu, (270) 745-4303

This program is designed to prepare speech-language pathologists to meet the needs of those presenting with communication delays, differences, and/or disorders in a range of settings including hospitals, clinics, skilled nursing facilities, or schools. Graduates will meet the academic and clinical requirements of the American Speech Language and Hearing Association, leading to national certification and state licensure. The speech-language pathology program is accredited by the Council of Academic Accreditation in Audiology and Speech Language Pathology.

### Program Admission

Applicants to the master's degree program in speech-language pathology must meet the following minimum requirements:

- Baccalaureate degree from a regionally accredited institution in the profession, OR outside of the profession and the following courses:
  - a. Normal Speech & Language Development
  - b. Science of Speech & Hearing
  - c. Phonetics
  - d. Language Disorders
  - e. Articulation Disorders
  - f. Speech Anatomy & Physiology
  - g. Audiology
  - h. Diagnostic or Assessment Procedures

The degree and/or prerequisite course(s) in communication sciences and disorders must be completed, in progress, or on the applicant's undergraduate plan of study when applying to the program.

- **Cumulative GPA of 3.0 for the last degree earned or the degree in progress**
- Clinical observation through a university program (25 hours of clinical observation supervised by a certified speech-language pathologist or audiologist) is preferred but not required
- The following prerequisite courses in basic sciences must be completed, in progress, or on the applicant's undergraduate plan of study when applying to the program:
  - a. Biological Science (science of living things such as biology, human anatomy)
  - b. Physics or Chemistry

- c. Social Science (psychology, sociology, anthropology)
- d. Statistics

All prerequisite or basic science courses must be completed before beginning the graduate program.

- **Essential Functions:** Students must enter the program with a minimum level of ability in specific areas termed essential functions. Students must be able to meet minimum essential skills with or without reasonable accommodation during their internship or externship experience.

The application process is two-fold: applicants apply to both WKU Graduate Studies **and** the *Communication Sciences and Disorders Centralized Application Service (CSDCAS)*

Applicants must submit the following to WKU Graduate Studies (<https://www.wku.edu/graduate/>):

1. Application & fee per WKU Graduate Studies
2. Send official transcripts from all college, university, and professional coursework

Applicants must submit the following to CSDCAS:

1. **Written Statement of Purpose/Goals** - This must be no more than 1 page typed, using a 12-point Times New Roman font, and double-spaced. The applicant's name and the date on which the statement was written should be noted at the top. Visit [www.wku.edu/communicationdisorders/](http://www.wku.edu/communicationdisorders/) for designated topic when applying.
2. Three (3) letters of recommendation
3. Official transcripts from all colleges attended.
4. A short video presentation that will assess interpersonal communication. Visit [www.wku.edu/communicationdisorders/](http://www.wku.edu/communicationdisorders/) for the designated topic when applying.

Applications to the speech-language pathology graduate program will be ranked based on scores in the following areas:

- Cumulative GPA
- Statement of purpose/goals essay
- Interpersonal communication

Accreditation standards require that the clinical education component of the curriculum provide students with access to a client/patient base that is sufficient to achieve stated mission and goals and includes a variety of clinical settings, client/patient populations, and age groups. Therefore, this department reserves the right to limit enrollment in geographical areas where there are known issues in obtaining sufficient and appropriate clinical sites for students. Check [www.wku.edu/communicationdisorders/](http://www.wku.edu/communicationdisorders/) for further information before applying to the program.

Any academic deficiencies required to meet certification requirements of the American Speech-Language-Hearing Association must be completed. Check [www.wku.edu/communicationdisorders/](http://www.wku.edu/communicationdisorders/) for further information before applying to the program.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (60 hours)

Sixty semester hours are required for both the thesis and non-thesis option. The research tool requirement (3 hours) may be met by successful completion of SLP 500 Research Methodology in Communication Disorders (or equivalent). Additionally, the student must complete at least 400 clock hours of clinical experience by graduation.

Summative evaluations are required by WKU Graduate Studies and our accrediting agency. Graduate Students in Speech-Language Pathology can fulfill the summative evaluation requirement by successful completion of one of the following: 1) passing a comprehensive examination; or, 2) passing a master's thesis defense. Students must pass the comprehensive examination or pass their thesis defense in the final semester of enrollment prior to graduation according to the deadline set by graduate studies.

In order to protect client populations, students will be required to undergo criminal background checks and provide proof of a recent physical examination, professional liability insurance, and negative TB test prior to beginning any clinical experiences, and these must be updated annually. Some clinical externship placements may require students to undergo drug testing and submit proof of health insurance, CPR training, and other immunizations prior to beginning off campus experiences. Additionally, there may be certifications, training seminars, or other requirements specified by an institution that a student must meet in order to be eligible for training at an educational or health care institution. It is the responsibility of the student to ensure that all University and/or institutional requirements are met as a condition of participating in clinical experiences. 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 and 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.

Code	Title	Hours
<b>Required Courses</b>		
SLP 500	Research Methodology in Communication Sciences and Disorders	3
SLP 501	Early Intervention in Speech-Language Pathology	3
SLP 502	Motor Speech Disorders	3
SLP 504	Child Language Disorders	3
SLP 506	Fluency Disorders	3
SLP 507	Aphasia	3
SLP 508	Voice Disorders	3
SLP 511	Neurological Foundations for Speech Language Pathology	3
SLP 519	Social and Cultural Foundations in SLP	3
SLP 512	Speech Sound Disorders	3
SLP 513	Cognitive-Communication Disorders	3
SLP 514	Dysphagia	3
SLP 515	Rehabilitation Audiology	3

SLP 579	Seminar in Professional Issues	1
Select one of the following:		2
SLP 590	Clinical Internship (repeated for 2 hours)	
SLP 590 & SLP 588	Clinical Internship and Clinical Methods in Speech-Language Pathology	
SLP 591	Clinical Externship	6
<b>Electives</b>		
Students must select 12 hours of coursework from the SLP discipline or as approved by their academic advisor. <sup>1</sup>		12
<b>Total Hours</b>		<b>60</b>

<sup>1</sup> SLP 518 must be taken as an elective if the undergraduate equivalent has not been completed.

## Department of Physical Therapy

Elizabeth Norris, Department Chair  
Medical Center Health Complex 3300  
(270) 745-3234

Kurt Neelly ([kurt.neelly@wku.edu](mailto:kurt.neelly@wku.edu)), Coordinator of DPT Admissions  
Medical Center Health Complex 3314  
(270) 745-4062

### Accreditation

The Doctor of Physical Therapy Program at Western Kentucky University is accredited by:

The Commission on Accreditation in Physical Therapy Education (CAPTE) (<http://www.capteonline.org>)  
1111 North Fairfax Street  
Alexandria, Virginia 22314  
(703) 706-3245  
[accreditation@apta.org](mailto:accreditation@apta.org)

## Programs

- Physical Therapy, Doctor of Physical Therapy (0013) (p. 92)

## Faculty

### Professor

Elizabeth S. Norris PhD (Health Sciences), Seton Hall University, 2003

### Associate Professor

Penny L. Head PhD (Orthopedic & Sports Science), Rocky Mtn University of Health Profe, 2019

Kurt R. Neelly PhD (Education), University of Kansas Medical Center, 2002

Sonia N. Young EdD (Educational Leadership), University of the Cumberlands, 2013

### Assistant Professor

David L. Bell DPT (Physical Therapy), University of Kentucky, 2012

Melissa A. Tolbert DPT (Physical Therapy), University of Evansville, 2012

### Clinical Assistant Professor

Anthony R. Mancini DPT (Physical Therapy), The University of Tenn Health Scienc, 2014

# Physical Therapy, Doctor of Physical Therapy (0013)

## Program Coordinator

Kurt R. Neelly, kurt.neelly@wku.edu, (270) 745-4062

The DPT Program is designed to prepare students to plan and administer treatment to help patients regain diminished physical function lost secondary to injury or disease, to promote soft tissue healing, and to relieve pain. Determining the degree of impairment allows physical therapists to help patients return to full function by using various physical agents to decrease pain and by using therapeutic exercises to increase strength, endurance, and coordination.

The purpose of the DPT Program is to provide students pursuing a career in physical therapy the opportunity to acquire the knowledge and skills required for the safe practice of physical therapy. Students are prepared as generalists, but also have some opportunity to investigate specialized aspects of physical therapy through numerous clinical exposures. The program of study consists of 118 credit hours of graduate course work and consists of intense academic and clinical work spread over 3 years. These hours are divided between classroom, clinical, and research activities.

The DPT Program is an entry-level professional degree program designed to provide individuals with baccalaureate degrees and the appropriate prerequisite courses the knowledge and skills to develop clinical and research expertise in the field of physical therapy. Upon receiving the DPT degree, students will be eligible to sit for the licensure examination in physical therapy.

The Mission of the WKU Doctor of Physical Therapy program is to prepare physical therapists who improve the quality of life of their patients and clients, especially in rural and underserved communities.

In addition to formal lecture and laboratory courses, students are required to successfully complete clinical experiences usually conducted at external agencies/facilities. Due to the nature of these experiences and to stipulations established by agencies/facilities, specific requirements for students may exist to be eligible to participate in the clinical experiences. These requirements may include, but are not limited to, undergoing criminal background checks, drug testing, and TB skin tests; providing proof of health insurance, professional liability insurance, and/or immunization records or blood titers verifying proof of immunizations. These items may need to be updated annually. 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 clinical 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 any on or off-campus experiences; students may be responsible in part or in full for any costs incurred to meet such requirements. Student questions regarding the agreements with external agencies may be directed to the Director of Clinical Education of the DPT Program. Students are also responsible for transportation to and from off-campus experiences.

## Program Admission

Admission to the program is competitive and limited to 30 students per class. Complete applications received by the application due dates will be reviewed by the Admissions Committee to determine which applicants will be invited to our Admissions Event. Following the completion of this

event, the Admissions Committee will determine which applicants will be offered entry into the program. Due to the competitiveness for entry into the program and the limited spaces available, applicants that meet the minimum requirements are not ensured admission into the program.

The following are requirements for admission into the Doctor of Physical Therapy (DPT) Program:

1. Baccalaureate Degree: Prospective candidates are required to earn a baccalaureate degree from an accredited college or university prior to matriculation.
2. Prerequisite Courses: Prospective candidates must complete the following prerequisite courses:
  - Anatomy (1 semester with lab) AND Physiology (1 semester with lab); OR Anatomy & Physiology I and II (2 course sequence with labs)
  - Biology (2 semesters with labs)
  - General Chemistry (2 semesters with labs)
  - General Physics (2 semesters with labs)
    - All Biology, Chemistry and Physics courses MUST be appropriate for science majors; (Anatomy & Physiology courses are the exception)
  - Psychology (1 semester)
  - Statistics (1 semester)
  - No grade lower than a C (i.e. C-, D, F) is acceptable in the above prerequisite courses.
3. Grade Point Average (GPA): A minimum cumulative GPA of 3.0 on a 4.0 scale, for both overall and prerequisite science courses.
4. Graduate Record Exam (GRE):
  - There is no minimum GRE score
  - A composite score of 300 or higher on the verbal and quantitative sections of the GRE will be more competitive.
  - A score of 3.5 out of 6 on the analytical writing section of the GRE will be more competitive.
5. Physical Therapy Observation Hours:
  - PT hours are required - a licensed PT must verify hours w/ signed form uploaded or online via PTCAS.
  - Total Number of PT Hours Required is 35 hours.
6. Application materials:
  - Applicants are required to apply to **BOTH** Physical Therapist Centralized Application Service (PTCAS) and WKU Graduate Studies
    - **NOTE: materials must be sent to both locations, there is no communication between PTCAS and WKU Graduate Studies.**
  - PTCAS Application Requirements:
    - Application & fee per PTCAS
    - Send official transcripts from all college, university, and professional coursework to PTCAS
    - Send official GRE scores to PTCAS (code 0557)
    - Send two (2) letters of recommendation to PTCAS
  - WKU Graduate Studies Application Requirements:
    - Application & fee per WKU Graduate Studies
    - Send official transcripts from all college, university, and professional coursework to WKU Graduate Studies, even if you do not have a grade for the course (i.e. course in progress)

- Send official GRE scores to WKU Graduate Studies (code 0557)

Early and Standard Applications: (Applicants are required to apply to **BOTH** PTCAS and WKU Graduate Studies)

- **WKU Early Acceptance Process**
  - WKU will offer its own internal acceptance process. A limited number of early acceptance class spaces will be available. To be considered for WKU early acceptance, applicants are required to complete the following:
    - ALL standard PTCAS requirements (application, transcripts, and GRE scores) must be received by PTCAS by the dates indicated in the WKU DPT program page in PTCAS.
    - ALL standard WKU Graduate Studies Application requirements (application, fee, transcripts, and GRE scores) must be received electronically by WKU Graduate Studies by dates indicated in the WKU DPT program page in PTCAS.
  - In order to be considered for the WKU Early Acceptance process (and begin the WKU DPT program in the next admissions cycle), **ALL application materials must be received by both PTCAS and WKU as indicated above.**
  - Applicants must indicate their desire to be considered for the WKU Early Acceptance process on the appropriate PTCAS Custom Question, as well as notify the WKU DPT Program of your desire to be considered for WKU Early Acceptance.
  - Minimum Requirements to be considered for early decision:
    - Overall GPA 3.6
    - Science Prerequisite GPA 3.6
    - GRE-V 150
    - GRE-Q 150
  - For those who desire to be considered for Early Acceptance, six (6) of the eight (8) science courses **MUST** be completed prior to submission of the PTCAS application.
- **Standard Decision**
  - WKU DPT participates in PTCAS Standard Application process to fill the remaining cohort.
  - For those who desire to be considered for the Standard Decision process, five (5) of the eight (8) science courses **MUST** be completed prior to submission of the PTCAS application.
  - ALL PTCAS requirements (application, transcripts, and GRE scores) must be received by PTCAS by the dates indicated in the WKU DPT program page in PTCAS.
  - ALL WKU Graduate Studies Application requirements (application, fee, transcripts, and GRE scores) must be received electronically by WKU Graduate Studies by dates indicated in the WKU DPT program page in PTCAS.
  - Academic Update through PTCAS may be required after Fall course grades have been posted, provided you were enrolled in courses during the Fall semester.

7. Admissions Event (Interviews may be required)
  - a. Completed applications will be reviewed by the Admissions Committee, resulting in the top applicants being invited to the WKU DPT Admissions Event. Refer to the WKU DPT Program

page in PTCAS for details. Attendance at the Admissions Event is **REQUIRED** for final consideration for admission.

- b. The admission committee will consider attendance hardships on a case-by-case basis.
8. Technical Standards: Students are required to enter the program with a minimum level of ability in specific areas termed “technical standards.” For successful admission into the program, students are required to meet the minimum technical standards with or without reasonable accommodation as part of the Core Performance Standards as stated in the DPT Program Student Manual and Program Policies and Procedures. Upon admission to the Program, you will be provided a copy of the WKU DPT Technical Standards. For successful admission into the program, you will be required to sign documentation that you understand the implications and content in each section, as well as signify whether you will or will not require reasonable accommodations.
    - \*Students will be notified at orientation day that if they need reasonable accommodations at any time, they can request them by contacting the WKU SARC.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (118 hours)

Code	Title	Hours
<b>Required Courses</b>		
DPT 700	Orientation to Physical Therapy	1
DPT 705	Orientation to Clinical Education in Physical Therapy	1
DPT 711	Principles of Physical Assessment I	1
DPT 712	Principles of Physical Assessment II	2
DPT 713	Principles of Physical Assessment III	2
DPT 715	Patient Care Techniques	3
DPT 716	Principles of Therapeutic Exercise in Physical Therapy	2
DPT 720	Gross Human Anatomy I	2
DPT 721	Gross Human Anatomy I Lab	1
DPT 722	Gross Human Anatomy II	2
DPT 723	Gross Human Anatomy II Lab	1
DPT 724	Pathophysiology	4
DPT 726	Orthopaedic Foundations	3
DPT 727	Health Promotion and Wellness in Physical Therapy	2
DPT 728	Clinical Exercise Physiology	3
DPT 729	Pharmacology in Physical Therapy	2
DPT 735	Pain Neuroscience for Physical Therapy	1
DPT 736	Neuroanatomy	3
DPT 738	Motor Control	2
DPT 740	Physical Modalities	3
DPT 742	Diagnostic Testing and Imaging	2
DPT 745	Integumentary System	2

DPT 746	Management of Upper Extremity Musculoskeletal Disorders	4
DPT 747	Physical Therapy Management for Select Populations	2
DPT 748	Prosthetics and Orthotics	2
DPT 749	Neurological Assessment	1
DPT 751	Supervised Clinical Education I	4
DPT 752	Supervised Clinical Education II	5
DPT 753	Supervised Clinical Education III	7
DPT 754	Supervised Clinical Education IV	9
DPT 760	Professional Issues	2
DPT 761	Physical Therapy Management and Administration I	1
DPT 762	Physical Therapy Management and Administration II	3
DPT 770	Management of Lower Extremity Musculoskeletal Disorders	4
DPT 771	Neurological Rehabilitation	4
DPT 772	Cardiopulmonary Rehabilitation	3
DPT 774	Spine Assessment and Intervention	4
DPT 775	Screening for Referral	3
DPT 778	Geriatric Physical Therapy	1
DPT 779	Pediatric Physical Therapy	3
DPT 781	Research in Physical Therapy I	3
DPT 782	Research in Physical Therapy II	2
DPT 783	Research in Physical Therapy III	3
DPT 784	Research in Physical Therapy IV	1
DPT 785	Research in Physical Therapy V	1
DPT 790	Physical Therapy Seminar	1
<b>Total Hours</b>		<b>118</b>

## Department of Public Health

Dr. William Mkanta, Department Chair

Academic Complex, Office 133

Phone: (270) 745-4797, Fax: (270) 745-4437

Email: [public.health@wku.edu](mailto:public.health@wku.edu)

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

The Department of Public Health offers graduate programs which prepare students for careers as healthcare administration, environmental health and safety, public health, and occupational safety and health professionals. Graduate certificate programs offered include epidemiology, health education, global health administration, occupational safety and health, and worksite health promotion. An important responsibility of the faculty is to carry out applied research and other scholarly activities which provide opportunities for graduate student engagement, provide for the professional advancement of faculty, expand knowledge and practice in public health fields, advance the training of students, and improve health in the communities we serve. The department faculty, staff, and students conduct service with multiple agencies, institutions, and organizations in the Commonwealth of Kentucky and across the nation. Faculty in the department are leaders in teaching, research, and service, and provide leadership to various

committees, centers, and organizations. Department faculty also serve in various leadership roles for the College of Health and Human Services.

Graduate students are expected to work closely with their academic advisors in planning their program of study. Students will have opportunities for advanced training through research, practical experiences, and internships. More information about the department is available at: <https://www.wku.edu/publichealth> (<https://www.wku.edu/publichealth/>).

## Programs

- Environmental and Occupational Health Science, Master of Science (0473) (p. 94)
- Epidemiology, Certificate (1751) (p. 96)
- Global Health Administration, Certificate (1735) (p. 96)
- Health Administration, Master of Health Administration (153) (p. 96)
- Health Education, Certificate (0494) (p. 97)
- Occupational Safety and Health, Certificate (1779) (p. 98)
- Public Health, Master of Public Health (152) (p. 98)
- Workplace Health Promotion, Certificate (1746) (p. 99)

## Faculty

### Professor

Grace K. Lartey PhD (Health Education), University of Toledo, 2006

Gretchen M. Macy EdD (Kinesiology and Health Promotion), University of Kentucky, 2012

William N. Mkanta PhD (Health Services Research), University of Florida, 2005

Ritchie D. Taylor PhD (Environmental Science), University of North Texas, 2002

### Associate Professor

Xiuhua Ding PhD (Epidemiology and Biostatistics), University of Kentucky, 2016

Gregory E. Ellis-Griffith PhD (Administration/Health Services), University of Alabama at Birmingham, 2010

Michelle C. Reece PhD (Public Health), East Tennessee State University, 2014

Edrisa Sanyang PhD (Occupational & Environmental Health (Industrial Hygiene)), University of Iowa, 2016

### Pedagogical Assistant Professor

Sabita Shrestha PhD (Education), Southern Illinois University, 2017

### Instructor I

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

Melanie D. Eaton MBA, Western Kentucky University, 2003

## Environmental and Occupational Health Science, Master of Science (0473)

### Program Coordinator

Edrisa Sanyang, [edrisa.sanyang@wku.edu](mailto:edrisa.sanyang@wku.edu), (270) 745-3500

The graduate program in Environmental and Occupational Health Science is designed to provide graduate education for careers focused on the protection of human health and prevention of health hazards in

occupational and natural environments. A key component of the program is to understand how exposure to environmental and occupational hazards occurs, and discovering ways to reduce and control the risk of exposure. This interdisciplinary field focuses on environmental hazards to human health, assessment of exposures, mechanisms of environmental response, control of risks associated with environmental hazards, and improving occupational health. Program requirements will provide students a foundation of advanced studies that will increase their skills and knowledge for protecting human health and the environment.

This program is designed for working professionals and students desiring opportunities with industry, consulting firms, government agencies, and other environmental and occupational health science professions.

The Master of Science in Environmental and Occupational Health Science is accredited by the National Environmental Health Science and Protection Accreditation Council (EHAC). The program is also designated as Qualified Academic Program by the Board of Certified Safety Professionals (BCSP). This provides graduates the opportunity to apply with BCSP for Graduate Safety Professional (GSP) designation.

### Joint Undergraduate Master's Program (JUMP)

The Master of Science (MS) in Environmental and Occupational Health (EOHS) degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

This JUMP program allows students to start working toward their MS in EOHS (REF: 0473) while completing their Bachelor of Science degree in Environmental and Occupational Health Science (REF: 548), Bachelor of Science in Public Health (REF: 521), and Bachelor of Science in Health Sciences (REF: 564). 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 toward both degrees, and up to 15 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 an accelerated timeframe.

To be considered for admission to the JUMP program to earn a BS and MS in EOHS in an accelerated timeframe, a student must meet the following requirements: 1) be an undergraduate student in BS in EOHS (Ref: 548), BS in PH (Ref: 521), or BS in HS (Ref: 564), 2) have completed at least 60 hours total, with at least 24 hours earned at WKU, 3) have 15 or more credit hours remaining to complete the bachelor's degree, and 4) have a minimum 3.25 overall GPA. Student must maintain a 3.0 cumulative graduate GPA.

### Joint Undergraduate Master's Program (JUMP)

This degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

## Program Admission

In addition to Graduate Studies admission requirements, admission requires the equivalent of an undergraduate major in environmental health science and occupational health and safety including supporting

courses in science and mathematics. Exceptions may be made for students with undergraduate degrees in other disciplines; however, additional courses may be required.

Admission *may be* granted to applicants who fulfill one of the following conditions: 1) Completion of the Occupational Safety and Health graduate certificate with a cumulative GPA of at least 3.0 on a 4.0 scale; OR 2) Minimum cumulative GPA of 2.75 or greater on a baccalaureate degree or equivalent international degree; OR 3) Minimum GPA of 3.0 on a degree higher than baccalaureate or equivalent international degree.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (36 hours)

Code	Title	Hours
<b>Required Courses</b>		
EOHS 502	Health Promotion in the Workplace	3
EOHS 550	Principles of Occupational Safety and Health	3
EOHS 560	Environmental Management and Risk Assessment	3
EOHS 570	Industrial Hygiene	3
EOHS 572	Environmental and Occupational Epidemiology	3
EOHS 577	Environmental Toxicology	3
PH 520	Biostatistics for Public Health	3
PH 584	Principles of Environmental Health	3
<b>Electives</b>		
Select 6 hours (thesis option students) or 9 hours (applied practice experience option students) from the following: <sup>1</sup>		6-9
<b>EOHS Electives</b>		
EOHS 510	Watershed Management and Science	
EOHS 571	Air Quality Management	
EOHS 580	Solid and Hazardous Wastes	
EOHS 595	Public Health Management of Disasters	
PH 501	Research Methods	
PH 530	Selected Topics/Independent Study	
PH 581	Applied Methods in Public Health Practice/Field Epidemiology	
PH 582	Epidemiology	
PH 620	Advanced Biostatistics	
PH 630	Advanced Epidemiology	
<b>Workplace Health Promotion Electives</b>		
EOHS 503	Health Assessment in Workplace	
PH 575	Program Planning in Public Health Practice	
PH 576	Public Health Education and Communication Techniques	
PH 587	Health Behavior Theory	
<b>Culminating Experience</b>		
PH 599	Thesis Research/Writing (6 hrs)	3-6



or EOHS 546	Environmental & Occupational Health Science Internship
or EOHS 598	Capstone in Environmental and Occupational Health

**Total Hours** **36**

<sup>1</sup> Courses may be selected from the list above or from other disciplines, given that the course is pertinent to the program of study. The graduate advisor must approve all elective courses.

## Epidemiology, Certificate (1751)

### Program Coordinator

Xiuhua Ding, xiuhua.ding@wku.edu, (270) 745-3618

Epidemiology, as defined by the World Health Organization, is the study of the distribution and determinants of health-related states or events in specified populations, and the application of this study to the control of health problems. This graduate certificate develops competencies in epidemiology, including those related to disease measurement and distribution, outbreak investigations, prevention and control, and applied analytical methods in public health.

Program Admission

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

### Program Requirements (12 hours)

Code	Title	Hours
<b>Required Courses</b>		
PH 581	Applied Methods in Public Health Practice/Field Epidemiology	3
PH 582	Epidemiology	3
PH 630	Advanced Epidemiology	3
<b>Elective</b>		
Select 3 hours from the following: <sup>1</sup>		3
PH 620	Advanced Biostatistics	
EOHS 572	Environmental and Occupational Epidemiology	
PH 631	Contemporary Topics in Epidemiology (Proposal Submitted)	
<b>Total Hours</b>		<b>12</b>

<sup>1</sup> Other electives may be selected with advisor approval.

## Global Health Administration, Certificate (1735)

### Program Coordinator

William N. Mkanta, william.mkanta@wku.edu, (270) 745-5260

This program is designed to prepare students with a broad understanding of global health engagement in health administration, health policy, health systems, and service delivery.

Program Admission

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

### Program Requirements (15 hours)

Code	Title	Hours
<b>Required Courses</b>		
HCA 547	Global and Comparative Health Systems	3
HCA 559	Global Health Service-Learning Practicum	3
<b>Electives</b>		
HCA 541	Strategic Management & Marketing of Health Services	3
or HCA 543	Health Care Quality and Accountability	
or HCA 586	Health Economics & Policy	
PH 583	Public Health Administration <sup>1</sup>	3
or PH 585	Global Health	
LEAD 550	Leadership in Global Context	3
or LEAD 580	Leading Organizations	
<b>Total Hours</b>		<b>15</b>

<sup>1</sup> Or advisor approved elective.

## Health Administration, Master of Health Administration (153)

### Program Coordinator

Gregory E. Ellis-Griffith, gregory.ellis-griffith@wku.edu, (270) 745-3076

The Master of Health Administration (MHA) degree program prepares graduates for administrative and managerial positions in different types of healthcare facilities and agencies including acute care, long-term care, group medical practices, managed care organizations, public health agencies, clinics, and health-related organizations such as pharmaceutical firms, medical equipment firms, and health care consulting firms. There are two MHA options for candidates who meet the admission requirements: the traditional or residential MHA program and an online MHA program for those currently working with at least two years of professional work experience. Both programs consist of 42 semester hours but with different admission requirements. The Master of Health Administration (MHA) degree program prepares graduates for administrative and managerial positions in different types of health care facilities and agencies including acute care, long-term care, group medical practices, managed care organizations, public health agencies, clinics, and health related organizations such as pharmaceutical firms, medical equipment firms, and health care consulting firms. There are two MHA options for candidates who meet the admission requirements: the traditional or residential MHA program and an online MHA program for those currently working with at least two years of professional

work experience. Both programs consist of 42 semester hours but with different admission requirements.

### Joint Undergraduate Master's Program (JUMP)

This degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

Applicants to the residential MHA program option may receive full admission if they hold a baccalaureate degree or higher from a regionally accredited institution of higher education. A minimum cumulative grade point average (GPA) of 3.0 or higher is required on their baccalaureate degree, along with a statement of intent (minimum of 1 page, and no more than 2 pages) sent to the graduate program coordinator (Dr. Gregory Ellis-Griffith: [gregory.ellis-griffith@wku.edu](mailto:gregory.ellis-griffith@wku.edu)).

Applicants to the online MHA program may receive full admission if they hold a baccalaureate degree, with a minimum cumulative GPA of 2.75 and at least two years of professional work experience. Applicants to the online program must also send a statement of intent, current resume (with professional positions listed), and two reference contacts to the graduate program director (Dr. Gregory Ellis-Griffith: [gregory.ellis-griffith@wku.edu](mailto:gregory.ellis-griffith@wku.edu)).

**International Student MHA Admissions:** The MHA program follows WKU Graduate Studies's international student admission requirements ([https://www.wku.edu/graduate/prospective\\_students/admission/requirements.php](https://www.wku.edu/graduate/prospective_students/admission/requirements.php)).

**Conditional Admission:** If a student does not meet all university and program admission requirements, and if the academic program's review of the student's record indicates the likelihood of success, the student may be granted conditional admission by the Associate Provost for Research and Graduate Education upon the recommendation of the program.

- Application and Graduate Studies Fees. Apply through: Graduate Admissions

### Joint Undergraduate Master's Program (JUMP)

The Master of Health Administration program's Joint Undergraduate Master's Program (JUMP) allows undergraduate students to earn graduate credit towards a graduate degree in an accelerated time frame. Qualified students will apply directly to the Joint Undergraduate Master's Program. A recommendation will then be made to Graduate Studies for acceptance to JUMP. Please contact the MHA graduate program coordinator for additional information.

JUMP students may complete a maximum of fifteen (15) graduate hours as undergraduate students. However, for undergraduate candidates pursuing a first baccalaureate degree in combination with a master's degree, up to twelve (12) graduate hours may be counted on both the undergraduate and graduate transcripts as prescribed by the approved program curriculum.

To be considered for admission to the MHA JUMP program to earn a BS and MHA, a student must meet the following requirements:

- Be an undergraduate student in one of the following majors: Health Sciences (564), Health Care Administration (559).

- A minimum of 60 credit hours earned and 15 or more credit hours remaining to complete the undergraduate degree.
- A minimum of 24 undergraduate hours earned at WKU.
- A minimum cumulative undergraduate GPA of 3.25 for individuals earning their first baccalaureate degree.
- A minimum cumulative undergraduate GPA of 3.00 for individuals earning their second baccalaureate degree.

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Degree Requirements (42 hours)

Code	Title	Hours
<b>Required Courses: 33</b>		
HCA 540	Health Care Organization and Management	3
HCA 541	Strategic Management & Marketing of Health Services	3
HCA 542	Health Care Human Resources Administration	3
HCA 543	Health Care Quality and Accountability	3
HCA 545	Managerial Finance for Health Services	3
HCA 551	Health Care Jurisprudence	3
HCA 586	Health Economics & Policy	3
PH 520	Biostatistics for Public Health	3
PH 582	Epidemiology	3
PH 587	Health Behavior Theory	3
PH 583	Public Health Administration	3
<b>Electives</b>		
Select 3 hours of the following		3
HCA 544	Healthcare Systems Design and Behavior	
HCA 555	Healthcare Preparedness and Leadership	
HCA 556	Ambulatory Care/Rural Health	
HCA 564	Health Systems Informatics	
HCA 572	Special Topics in Health Services	
HCA 574	Decision Making in Health Care (Select 3 hours of the following)	
PH 584	Principles of Environmental Health	
<b>Select one of the following options: (A total of 6 hours must be completed)</b>		<b>6</b>
HCA 546	Graduate Internship (Internship Option)	
PH 599	Thesis Research/Writing (Thesis Option)	
<b>Total Hours</b>		<b>42</b>

## Health Education, Certificate (0494)

Program Coordinator

Xiuhua Ding, xiuhua.ding@wku.edu, (270) 745-3618

The Health Education Certificate imparts knowledge and skills necessary for health educators, and is aligned with seven of the eight areas of responsibility outlined by the National Commission for Health Education Credentialing (NCHCEC) for Certified Health Education Specialists (CHES).

Program Admission

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (12 hours)

Code	Title	Hours
<b>Required Courses</b>		
PH 587	Health Behavior Theory	3
PH 575	Program Planning in Public Health Practice	3
PH 576 or COMM 553	Public Health Education and Communication Techniques Health Communication Campaigns	3
PH 548	Community Organizing in Public Health	3
<b>Total Hours</b>		<b>12</b>

## Occupational Safety and Health, Certificate (1779)

### Program Coordinator

Edrisa Sanyang, edrisa.sanyang@wku.edu, (270) 745-3500

The certificate program in Occupational Safety and Health is designed to provide advanced professional training for careers focused on the protection and promotion of human health from workplace hazards. Designed for working professionals and students desiring opportunities with industry, consulting firms, government agencies, and other occupational safety and health science professions, online courses will provide students with diverse in-place learning opportunities.

## Program Admission

Students applying to the program must have a baccalaureate degree in a related field or a baccalaureate degree and related experience in health and safety, human resources, and related fields, and approval by the program director.

## Program Requirements (12 hours)

Code	Title	Hours
<b>Required Courses</b>		
EOHS 502	Health Promotion in the Workplace	3
EOHS 550	Principles of Occupational Safety and Health	3
PH 584	Principles of Environmental Health	3
<b>Electives</b>		
Select 3 hours of the following: <sup>1</sup>		3
EOHS 503	Health Assessment in Workplace	

EOHS 560	Environmental Management and Risk Assessment
EOHS 570	Industrial Hygiene
EOHS 571	Air Quality Management
EOHS 572	Environmental and Occupational Epidemiology
EOHS 577	Environmental Toxicology
EOHS 580	Solid and Hazardous Wastes
EOHS 595	Public Health Management of Disasters
PH 581	Applied Methods in Public Health Practice/Field Epidemiology
PH 620	Advanced Biostatistics
PH 630	Advanced Epidemiology
<b>Total Hours</b>	<b>12</b>

<sup>1</sup> Other elective courses may be chosen with advisor approval.

## Public Health, Master of Public Health (152)

### Program Coordinator

Xiuhua Ding, xiuhua.ding@wku.edu, (270) 745-3618

The Master of Public Health (MPH) is a professional practice degree that prepares students for a wide range of health professions. The 42 credit-hour program, accredited by the Council on Education for Public Health (CEPH), is offered on WKU's campus and in a fully online format. Beyond the required core courses, MPH students work in partnership with their advisor to select electives and tailor a program that meets their professional and academic goals related to public health. The MPH program is competency-based and focuses on applied and integrative learning. Students are required to successfully complete and defend a capstone project, which could include a thesis, prior to graduation.

### Joint Undergraduate Master's Program (JUMP)

This degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

## Program Admission

In addition to the criteria set forth by Graduate Studies, applicants must meet one the following criteria to be fully admitted into the MPH program:

- cumulative undergraduate GPA of at least 3.0 on 4.0 scale from a regionally-accredited US institution of higher education; OR
- cumulative undergraduate GPA of at least 2.75 on 4.0 scale from a regionally-accredited US institution of higher education AND a minimum of three years of professional public health experience; OR
- current enrollment in a regionally-accredited US medical school or doctoral program; OR
- graduation from a regionally-accredited US medical school, master's, or doctoral program; OR

- completion of a WKU graduate certificate with a cumulative GPA of at least 3.0 on a 4.0 scale.

Applicants who do not meet any of these criteria may be admitted conditionally into the MPH program.

All Applicants must submit the following:

1. Written personal statement ([https://www.wku.edu/publichealth/mp\\_h\\_admission-requirements.php](https://www.wku.edu/publichealth/mp_h_admission-requirements.php))
2. Resume or Curriculum Vitae
3. Contact information for at least two professional references

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (42 hours)

Code	Title	Hours
<b>Required Core</b>		
PH 520 or PH 620	Biostatistics for Public Health Advanced Biostatistics	3
PH 575	Program Planning in Public Health Practice	3
PH 578	Health Inequities	3
PH 580	Public Health Foundations and Practice	3
PH 581	Applied Methods in Public Health Practice/Field Epidemiology	3
PH 582	Epidemiology	3
PH 584	Principles of Environmental Health	3
PH 548	Community Organizing in Public Health	3
PH 587	Health Behavior Theory	3
PH 591	Health Program Evaluation	3
<b>Electives</b>		
Advisor approved electives including:		12
BDAN/BA 513	Contemporary Business Analytics	
BDAN 515	Data Management	
BDAN 517	Predictive Analytics	
BDAN 519	Visualization and Decision Making	
BA 510	Advanced Organizational Behavior	
BA 511	Applied Micro Economic Theory	
BA 517	Advanced Marketing	
BA 560	Contemporary Human Resources Management	
BA 579	Supply Chain Management	
BA 583	Procurement Management	
Any 600-level course		
<b>Total Hours</b>		<b>42</b>

### Joint Undergraduate Master's Program (JUMP)

The Master of Public Health program offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and

graduate degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

This JUMP program allows students to start working toward their MPH while completing their Bachelor of Science degree in Public Health, Health Sciences, or Environmental and Occupational Health Science. 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 toward both degrees, and up to 15 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 an accelerated timeframe.

To be considered for admission to the JUMP program to earn a BS and a MPH in

an accelerated timeframe, a student must meet the following requirements:

- Be an undergraduate student in the major of Public Health, Health Sciences, or Environmental and Occupational Health Science in the department of Public Health.
- A minimum of 60 credit hours earned and 15 or more credit hours remaining to complete the undergraduate degree.
- A minimum of 24 undergraduate hours earned at WKU.
- A minimum cumulative undergraduate GPA of 3.25 for individuals earning their first baccalaureate degree.
- A minimum cumulative undergraduate GPA of 3.00 for individuals earning their second baccalaureate degree.

## Workplace Health Promotion, Certificate (1746)

### Program Coordinator

Gretchen M. Macy, [gretchen.macy@wku.edu](mailto:gretchen.macy@wku.edu), (270) 745-5870

The graduate certificate program in Workplace Health Promotion will provide training for students and professionals who have an interest in developing health promotion programs in the workplace. This certificate program will provide a comprehensive skill base for assessment, planning, implementation and evaluation of health promotion programs in a workplace environment, effective communication techniques and a basic understanding of workplace hazards. This certificate will also introduce students to the Total Worker Health concept, which is a Centers for Disease Control and Prevention (CDC) initiative to integrate health promotion and health protection.

Program Admission

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (15 hours)

Code	Title	Hours
<b>Required Courses</b>		
EOHS 502	Health Promotion in the Workplace	3
PH 575	Program Planning in Public Health Practice	3

PH 587	Health Behavior Theory	3
EOHS 503	Health Assessment in Workplace	3
EOHS 550	Principles of Occupational Safety and Health	3
<b>Total Hours</b>		<b>15</b>

## Department of Social Work

Patricia Desrosiers, Department Chair  
Academic Complex 211  
(270) 745-5312  
swrk@wku.edu

### Programs

- School Social Work, Certificate (1789) (p. 100)
- Social Work, Master of Social Work (157) (p. 101)
- Trauma and Resilience, Certificate (1787) (p. 102)

### Faculty

#### Professor

Amy C. Cappiccie PhD (Social Work), University of Louisville, 2006  
Patricia L. Desrosiers PhD (Social Work), University of Louisville, 2009  
Wesley J. Gabbard PhD (Social Work), The University of Alabama, 2004  
Gayle M. Mallinger PhD (Social Work), University of Pitts Pittsburgh Camp, 2010  
Dana J. Sullivan PhD (Social Work), University of Louisville, 2003

#### Associate Professor

Austin G. Griffiths PhD (Social Work), University of Kentucky, 2017

#### Assistant Professor

Daniel A. Boamah PhD (Social Work), University of Louisville, 2020  
Erin T. Warfel DSW (Social Work), University of Saint Thomas, 2022

#### Instructor I

Lynn M. Hazlett PhD, University of Kentucky, 2022  
Shannon M. Sales EdD (Educational Leadership), Western Kentucky University, 2013

#### Instructor II

Allison Gibson MSSW (Social Work), University of Louisville, 2005

## School Social Work, Certificate (1789)

#### Program Coordinator

Erin T. Warfel, erin.warfel@wku.edu, (270) 745-8923

The School Social Work Certification program will prepare participants to meet the needs of youth in the school system while eliminating barriers to services such as access. Participants will identify the role of a social worker in educational settings, explore assessment and evidence-based interventions, and apply theories to address school legislation and policies necessary to advocate in collaboration with school personnel, families, and the community.

## Admission Requirements

Admission to WKU Graduate Studies and MSW Program or previously completed MSW from an accredited program by the Council on Social Work Education (CSWE).

## Program Requirements (12 hours)

Code	Title	Hours
<b>Required Courses</b>		
SWRK 683	Trauma Informed School Social Work Practice	3
Select 1 Legal/Policy course from the list below		3
SWRK 433G	Ethical Issues and Dilemmas in Social Work	
SWRK 630	Rural Social Welfare Policy	
SWRK 671	Social Work and the Law	
SPED 612	Collaboration between Schools and Stakeholders for Individuals with Disabilities	
SPED 630	Special Education Law and Finance	
PSY 470G	Psychology and Law	
PSY 647	Addictions: Assessment, Diagnosis and Treatment Planning	
Select 2 Assessment/Intervention courses from the list below		6
SWRK 436G	Services to Children	
SWRK 572	Interpersonal Violence: Social Work Practice	
SWRK 623	Social Work Clinical Assessment and Intervention	
SWRK 637	Theories of Addiction	
SWRK 647	Addictions: Assessment, Diagnosis and Treatment Planning	
SWRK 660	Advanced Generalist Field Practicum I	
SWRK 661	Advanced Generalist Field Practicum II	
SWRK 667	Counseling Substance and Process Addictions	
SWRK 673	Grief and Loss: Issues and Interventions	
SWRK 681	Trauma and Stressor Related Disorders	
SWRK 682	Suicide Assessment and Intervention for Social Work	
SPED 501	Introduction to Applied Behavior Analysis	
SPED 502	Positive Behavior Supports	
SPED 503	Behavior Assessment	
CNS 567	Mental Health Diagnosis and Treatment in Counseling	
CNS 568	Counseling Children and Adolescents	
CNS 569	Play Therapy	
CNS 588	Family Systems Counseling	
CNS 592	Crisis, Trauma and Violence Counseling	

CNS 637	Theories of Addiction
CNS 647	Addictions: Assessment, Diagnosis and Treatment Planning
CNS 667	Counseling Substance and Process Addictions
CNS 677	Eating Disorders in Counseling
PSY 443G	Behavior Modification
PSY 540	Behavior Problems of Childhood and Adolescence
PSY 637	Theories of Addiction
PSYS 521	Advanced Child Developmental Psychology

Total Hours

12

## Social Work, Master of Social Work (157)

### Program Coordinator

Erin T. Warfel, erin.warfel@wku.edu, (270) 745-8923

The Master of Social Work (MSW) program at Western Kentucky University (WKU) prepares students for professional social work practice at the graduate level to meet the needs of increasingly diverse rural populations. It is particularly dedicated to addressing the work-force needs of agencies that serve families and communities. Moreover, the MSW curriculum emphasizes social work practice at the advanced level in rural communities.

There are two program concentrations for students meeting the admission requirements outlined below. The Traditional Program concentration requires 60 semester hours for students with a baccalaureate degree in any field and may be taken full or part-time. The Advanced Standing Program concentration requires 30 semester hours for students who have earned a bachelor of social work (BSW) degree from an accredited social work program and who have fulfilled the additional admission requirements outlined below. The Advanced Standing concentration may be taken full or part-time as well. Both concentrations require students to complete SWRK 661 as a capstone course prior to graduation. This course integrates the entire curriculum in a comprehensive practice experience. Students are required to pass a comprehensive examination, the Practice Readiness Exam, prior to graduation.

### Concentration(s)

- Traditional Program (TSP)
- Advanced Standing Program (ASP)

## Program Admission

### Admission Requirements for the 60 hour Traditional Program Concentration

1. 2.75 or greater undergraduate degree GPA. Students with a lower GPA may apply for Alternate Admissions (See Alternate Admissions and Admissions Appeal Process).
2. A Western Kentucky University Master of Social Work program application, personal statement, and writing sample.
3. Three completed WKU Master of Social Work program reference forms.

4. Liberal arts background - at least 30 hours in liberal arts coursework (social sciences, humanities, natural sciences, communications, mathematics, etc.), including at least one course in sociology, psychology, OR anthropology AND at least one course in American government, political science, OR economics. All courses counted towards the liberal arts requirement must have been completed with a final grade of "C" or higher. Applicants may be enrolled in liberal arts prerequisite courses while their MSW applications are being evaluated, but all of these courses must have been successfully completed before admission to the program. Offers of admission will be contingent upon the successful completion of all required courses.
5. An interview may be required.

### Alternate Admissions for the 60 hour Traditional Program

An applicant who believes that her/his individual circumstances warrant consideration for a waiver of the minimum admissions requirement of an undergraduate GPA of 2.75 must petition the MSW Program Director. Students must meet all other traditional program admission requirements. The request should be attached to the MSW application in the form of a statement entitled "Petition for Exceptional Consideration." The petition should include a statement indicating how failing to meet the minimum admission requirement of a 2.75 GPA does not adequately represent the applicant's capabilities. The applicant should briefly discuss her/his demonstrated capacity for successful achievement of an arduous MSW program. For example, an applicant might provide evidence of:

1. Superior grades during the final semester(s) of work prior to graduation indicating a trend toward improved performance;
2. Competence through achievement in another graduate program;
3. Outstanding work experience in human services (volunteer or paid); and/or
4. Subsequent successful undergraduate or graduate level coursework.

The applicant should also discuss how she/he plans to address potential obstacles to successful completion of the program. Finally, the applicant should attest to the accuracy of all information provided in the petition, date and sign the document. The petition must be submitted with the application.

### Admission Requirements for the Advanced Standing Program Concentration

1. Completion of a Bachelor of Social Work (BSW) degree at a Council on Social Work Education (CSWE) accredited institution within the previous seven years with at least a 3.0 undergraduate degree GPA, OR with a 2.75 to 2.99 undergraduate degree GPA and an interview may be considered for admission, as part of the application process.
2. Satisfactory completion of a minimum of 400 hours of educationally based field instruction in direct practice with individuals, families, groups, and communities under appropriate social work supervision. A copy of the student's final field evaluation must be submitted.
3. Completion of courses from the following subject areas within an accredited social work program at the upper-division (junior and senior) level with a grade of "C" or better in each course: Human Behavior and the Social Environment - one course; Social Welfare Policy and Services - one course; Social Work Practice - two courses to include study of intervention methods with individuals, families, small groups and communities; Social Work Research - one course in research methodology.
4. A Western Kentucky University Master of Social Work program application, personal statement, and writing sample.

5. Three completed WKU Master of Social Work program reference forms.
6. Liberal arts background - at least 30 hours in liberal arts coursework (social sciences, humanities, natural sciences, communications, mathematics, etc.), including at least one course in sociology, psychology, OR anthropology AND at least one course in American government, political science, OR economics. All courses counted towards the liberal arts requirement must have been completed with a final grade of "C" or higher. Applicants may be enrolled in liberal arts prerequisite courses while their MSW applications are being evaluated, but all of these courses must have been successfully completed before admission to the program. Offers of admission will be contingent upon the successful completion of all required courses.
7. An interview may be required for purposes in addition to undergraduate GPA.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30-60 hours)

### Traditional Program Concentration (60 hours)

Code	Title	Hours
<b>Required Courses</b>		
SWRK 501	Cultural Competency in Social Work Practice	3
SWRK 510	Human Behavior in the Social Environment	3
SWRK 520	Generalist Social Work Practice	3
SWRK 522	Group Dynamics in Social Work Practice	3
SWRK 523	Rural Community Organization and Development	3
SWRK 530	Foundation of Social Welfare Policy	3
SWRK 540	Foundations of Social Work Research Methods	3
SWRK 560	Generalist Field Practicum I	3
SWRK 561	Generalist Field Practicum II	3
SWRK 610	Social Work Administration and Supervision	3
SWRK 620	Advanced Psycho-Social Approaches for Rural Practice	3
SWRK 622	Integrated Social Work Practice with Families	3
SWRK 623	Social Work Clinical Assessment and Intervention	3
SWRK 630	Rural Social Welfare Policy	3
SWRK 640	Applied Social Work Research	3
SWRK 660	Advanced Generalist Field Practicum I	3
SWRK 661	Advanced Generalist Field Practicum II	3

### Electives

Select 9 hours of graduate SWRK courses with advisor approval. Electives may also be selected from other disciplines, with advisor approval.	9
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**Total Hours** 60

### Advanced Standing Program Concentration (30 hours)

Code	Title	Hours
<b>Required Courses</b>		
SWRK 610	Social Work Administration and Supervision	3
SWRK 612	Social Work in Diverse Rural Areas	3
SWRK 620	Advanced Psycho-Social Approaches for Rural Practice	3
SWRK 622	Integrated Social Work Practice with Families	3
SWRK 623	Social Work Clinical Assessment and Intervention	3
SWRK 630	Rural Social Welfare Policy	3
SWRK 640	Applied Social Work Research	3
SWRK 660	Advanced Generalist Field Practicum I	3
SWRK 661	Advanced Generalist Field Practicum II	3

### Electives

Select 3 hours of graduate SWRK courses with advisor approval. Electives may also be selected from other disciplines, with advisor approval. <sup>1</sup>	3
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**Total Hours** 30

<sup>1</sup> 3 hour elective may be taken in winter or summer term

## Trauma and Resilience, Certificate (1787)

### Program Coordinator

Dana J. Sullivan, [dana.sullivan@wku.edu](mailto:dana.sullivan@wku.edu), (270) 745-5313

This graduate certificate prepares students to practice in a variety of settings with increased knowledge in how trauma affects functioning at the individual, family, and societal levels. Participants in the graduate certificate will learn about the latest research on trauma, the impact of trauma on victims, how to assess the effects of trauma, and gain skills in trauma-informed care. The graduate certificate in trauma and resiliency is housed in the College of Health and Human Services, Department of Social Work.

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (12 hours)

Code	Title	Hours
<b>Required Courses</b>		
SWRK 572	Interpersonal Violence: Social Work Practice	3

SWRK 681	Trauma and Stressor Related Disorders	3
<b>Electives</b>		
Select 6 hours of the following: <sup>1</sup>		6
SWRK 672	Child Sexual Abuse	
SWRK 673	Grief and Loss: Issues and Interventions	
SWRK 676	Social Work with Migrants	
SWRK 682	Suicide Assessment and Intervention for Social Work	
SWRK 685	Human Trafficking: Theories, Policies, & Intervention	
SWRK 675	Expressive Therapies in Social Work Practice	
CNS 568	Counseling Children and Adolescents	
CNS 592	Crisis, Trauma and Violence Counseling	
CNS/SWRK 637	Theories of Addiction	
CNS 647	Addictions: Assessment, Diagnosis and Treatment Planning	
CNS 667	Counseling Substance and Process Addictions	
CNS 677	Eating Disorders in Counseling	
PH 548	Community Organizing in Public Health	
PH 564	Public Health Issues in Women's Health	
PH 576	Public Health Education and Communication Techniques	
PH 578	Health Inequities	
PH 580	Public Health Foundations and Practice	
EMDS 502	Terrorism, Violence, Resiliency, and Response	
<b>Total Hours</b>		<b>12</b>

<sup>1</sup> Other electives may be selected with advisor approval.

## School of Kinesiology, Recreation and Sport

Paula Upright, Director  
Smith Stadium East 1004  
(270) 745-3347  
krs@wku.edu

### Programs

- Facility and Event Management, Certificate (0455) (p. 103)
- Intercollegiate Athletic Administration, Certificate (0481) (p. 103)
- Kinesiology, Master of Science (0454) (p. 104)
- Nonprofit Administration, Certificate (0463) (p. 106)
- Recreation and Sport Administration, Master of Science (095) (p. 106)

## Faculty Professor

Kenneth J. Crandall PhD (Exercise and Sport Science), University of Utah, 2004

Raymond A. Poff PhD (Leisure Behavior), Indiana University-Bloomington, 2001

Mark A. Schafer PhD (Health and Physical Activity, Exercise Physio Clin Res Trac), University of Pitts Pittsburgh Camp, 2007

### Associate Professor

Scott W. Arnett PhD (Exercise Science), University of Georgia, 2007

Stacey A. Forsythe EdD (Educational Leadership), Western Kentucky University, 2015

Tricia A. Jordan PhD, University of Louisville, 2009

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

Paula A. Upright PhD (Educational Leadership & Organizational Development), University of Louisville, 2009

### Assistant Professor

William A. Czepakski PhD (Physical Activity and Education Services), The Ohio State University Main Campus, 2012

Brian S. Myers PhD (PHYS ED: SPECIAL PHYS EDUCATION), Eastern Michigan University, 2019

## Facility and Event Management, Certificate (0455)

### Program Coordinator

Thomas B. Stinnett, brad.stinnett@wku.edu, (270) 745-4329

This graduate certificate is focused on the practical skills needed for employment in the rapidly growing field of Facility and Event Management.

Program Admission

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (12 hours)

Code	Title	Hours
<b>Required Courses</b>		
RSA 534	Facility Management	3
RSA 536	Event Management	3
RSA 538	Facility and Event Security Management	3
RSA 590	Practicum in Recreation and Sport	3
<b>Total Hours</b>		<b>12</b>

## Intercollegiate Athletic Administration, Certificate (0481)

Program Coordinator



Thomas B. Stinnett, brad.stinnett@wku.edu, (270) 745-4329

This graduate certificate is focused on essential skills and knowledge needed for employment in the dynamic field of intercollegiate athletic administration.

Program Admission

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (12 hours)

Code	Title	Hours
<b>Required Courses</b>		
RSA 538	Facility and Event Security Management	3
RSA 554	Student-Athlete Development	3
RSA 556	Governance in Intercollegiate Athletics	3
RSA 558	Compliance in Intercollegiate Athletics	3
<b>Total Hours</b>		<b>12</b>

## Kinesiology, Master of Science (0454)

### Program Coordinator

Whitley J. Stone, whitley.stone@wku.edu, (270) 745-4321

The M.S. in Kinesiology, Exercise Physiology concentration prepares students to pursue various health/wellness, fitness, rehabilitation, performance-based and research careers. Students looking to further develop their knowledge and skills in the field of kinesiology/exercise physiology in preparation for a professional career will do so through relevant coursework, laboratory experiences, practical experiences, and a field experience and/or research project tailored to their personal interests and goals. Students interested in pursuing a doctoral program will also have the opportunity to engage in faculty-led and self-directed research, in addition to relevant coursework, which will foster the development of advanced methodological and laboratory skills necessary for doctoral level study. The Exercise Physiology concentration does not lead to rank change for Kentucky teachers.

The M.S. in Kinesiology, Sport Science concentration prepares students for careers in sports science. Graduates will acquire foundational concepts and theories in the field of kinesiology, enabling them to work effectively with athletes, colleagues, and coaches to maximize human performance. Additionally, this concentration emphasizes data analytics, equipping students with the skills to collect, manage, and communicate data findings to relevant stakeholders. The Sport Science concentration does not lead to rank change for Kentucky teachers.

The M.S. in Kinesiology, Physical Education Teacher Leader concentration focuses on teaching and meeting the Kentucky teacher requirements for advanced teaching standards. The concentration requires 10-16 credit hours of Professional Education Core, including 3 credit hours of Action Research; and 15 credit hours of Physical Education Specialization courses. The Teacher Leader concentration is

designed to develop Teacher Leaders who can positively impact student learning in their classrooms and schools. Courses and experiences include Professional Learning Communities in which students interact with other graduate students from various content areas to discuss and work on real world challenges and promising practices they encounter in schools.

Concentration(s)

- Exercise Physiology (KIEP)
- Sport Science (KISS)
- Physical Education Teacher Leader (KIPE)

## Joint Undergraduate Master's Program (JUMP)

This degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

## Program Admission

### Exercise Physiology

1. Current resume
2. Statement of Professional Intent providing a sample of the applicant's writing style and ability. Please refer to the program website (<https://www.wku.edu/exs/kinesiology.php>) for additional information regarding the Statement of Intent.

Students with an undergraduate GPA lower than 3.0 are required to submit 2 letters of recommendation from professors in their major and/or their academic advisor.

### Sport Science

1. Current resume
2. Statement of Professional Intent providing a sample of the applicant's writing style and ability. Please refer to the program website (<https://www.wku.edu/exs/kinesiology.php>) for additional information regarding the Statement of Intent.

Students with an undergraduate GPA lower than 3.0 are required to submit 2 letters of recommendation from professors in their major and/or their academic advisor.

### Teacher Leader Concentration

Criteria vary, depending on the student's undergraduate institution and GPA.

1. WKU Graduate: Automatic admission with a current teaching certificate in Physical Education or a statement of eligibility.
2. Graduate of a Kentucky Higher Education Institute other than WKU: A 2.75 GPA or higher or a GAP<sup>1</sup> score of 550. A current teaching certificate in Physical Education or a statement of eligibility.
3. Graduate of an Out-of-State Institution of Higher Education: A 2.75 GPA or higher or a GAP<sup>1</sup> score of 550. A current teaching certificate in Physical Education or a statement of eligibility.

Kentucky applicants whose certificates have expired may be admitted, but they may enroll for only six hours before they must apply to the Kentucky Education Professional Standards Board for reissued certificates. After completion of six hours, a student admitted with an

expired certificate must submit a copy of the reissued certificate before being allowed to register for any additional course.

<sup>1</sup> GAP=(GRE-V+GRE-Q)+(undergraduateGPAx100)

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (31-33 hours)

### Exercise Physiology Concentration (33 hours)

Code	Title	Hours
<b>Required Courses</b>		
KIN 501	Research Methods in Kinesiology	3
KIN 504	Advanced Exercise Physiology	3
KIN 518	Advanced Statistics in Kinesiology	3
KIN 512	Advanced Strength & Conditioning	3
KIN 514	Lab Methods in Exercise Physiology	3
KIN 522	Advanced Exercise Testing and Prescription	3
KIN 524	Applied Biomechanics	3
KIN 503	Advanced Motor Learning and Control	3
KIN 523	Seminar in Exercise Physiology	3
KIN 599 or KIN 596	Thesis Research/Writing Internship in Exercise Physiology	6
<b>Total Hours</b>		<b>33</b>

### Sport Science (33 hours)

Code	Title	Hours
<b>Required Coursework</b>		
KIN 501	Research Methods in Kinesiology	3
KIN 504	Advanced Exercise Physiology	3
KIN 512	Advanced Strength & Conditioning	3
KIN 536	Applied Sport Science (Applied Sport Science)	3
KIN 596	Internship in Exercise Physiology	6
BDAN 513	Contemporary Business Analytics	3
BDAN 515	Data Management	3
<b>Electives</b>		<b>9</b>
KIN 503	Advanced Motor Learning and Control	
KIN 514	Lab Methods in Exercise Physiology	
KIN 515	Advanced Measurement and Evaluation	
KIN 518	Advanced Statistics in Kinesiology	
KIN 523	Seminar in Exercise Physiology	
KIN 524	Applied Biomechanics	
KIN 528	Dynamics of Injury Management	
<b>Total Hours</b>		<b>33</b>

### Physical Education Teacher Leader Concentration (31 hours)

The program is divided into two instructional components. The first component, Professional Education, provides advanced level pedagogy, leadership, and content related to Kentucky Teacher Standards and applicable to all P-12 teachers working in various grade levels, content, and community areas. The second component is the specialization that allows the candidate to expand content, pedagogy, and/or leadership skills. The Physical Education Teacher Leader concentration consists of KIN 503, KIN 505, KIN 508, KIN 520, and RSA 534. This specialization allows for professional growth concurrent with the goals of the candidate. An Action Research Project for Teacher Leaders focusing on a classroom, school, or district issue is the capstone for the completion of the degree.

During the first course in the program, TCHL 500, students will complete an assessment process that will be used in determining which TCHL core courses they must take in the professional education core. All students must complete TCHL 500, TCHL 530, TCHL 545, TCHL 555, TCHL 559, and TCHL 560 or pass proficiency evaluations for TCHL 545 and TCHL 555.

Code	Title	Hours
<b>Required Courses</b>		
Professional Education Component		
TCHL 500	Foundations of Teacher Leadership	3
TCHL 530	Curriculum Development	3
TCHL 545	Classroom Instruction Strategies <sup>1</sup>	3
TCHL 555	School and Classroom Assessment <sup>1</sup>	3
TCHL 559	Capstone Project Design for Teacher Leadership	1
TCHL 560	Capstone Project for Teacher Leadership	3

#### Mid-Point Assessment Requirements

To ensure that all master's candidates are proficient on Advanced Level Kentucky Teacher Standards, all Critical Performances associated with the above TCHL courses must be completed, even if a candidate's program of study does not include the courses. Candidates may only complete 6 hours in Level 2 before they have uploaded all Critical Performances and have achieved an average score of 3.0 on all performances and an average score of 3 on dispositions. Additional course work during Level 2 may be required based on the assessment results.

#### Required Courses

Specialization Component		
KIN 503	Advanced Motor Learning and Control	3
KIN 505	Foundations of Curriculum Construction	3
KIN 508	Adaptive Physical Education	3
KIN 520	Teaching Strategies in Physical Education	3
RSA 534	Facility Management	3
<b>Total Hours</b>		<b>31</b>

<sup>1</sup> If the proficiency exams for TCHL 545 and TCHL 555 are passed, 6 hours of advisor approved electives will be needed to replace those courses.

### Completion Requirements

1. TCHL 560 - Action Research for Teacher Leaders
2. Present research results in a venue approved by the advisor.
3. Achieve a minimum 3.0 GPA in overall coursework.

### Joint Undergraduate Master's Program (JUMP)

The Kinesiology Master's Program offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate degree in an accelerated timeframe. The primary advantage of the JUMP program lies in its capacity to enable students to obtain both a bachelor's and a master's degree in an expedited timeframe. Contact the graduate program coordinator for additional information.

This JUMP program allows students to start working toward their MS in Kinesiology with a concentration of Exercise Physiology or Sport Science while completing their Bachelor of Science in Exercise Science. Undergraduate students admitted into JUMP may take graduate courses that count toward both undergraduate and graduate degrees.

Those who choose Exercise Physiology or Sport Science concentrations are permitted to take up to 15 hours of graduate courses while remaining an undergraduate student and double count up to 12 of those hours toward both degrees.

To be considered for admission to the JUMP program for Exercise Science (BS) and Kinesiology (MS) with a concentration of Exercise Physiology or Sport Science, a student must meet the following criteria:

- Be an Exercise Science major;
- Has completed at least 60 hours total, with at least 24 hours earned at WKU;
- Have at least 15 or more credit hours remaining to complete a bachelor's degree;
- Have a minimum of 3.25 overall GPA and a 3.25 in the Exercise Science major

## Nonprofit Administration, Certificate (0463)

### Program Coordinator

Raymond A. Poff, raymond.poff@wku.edu, (270) 745-2498

The graduate certificate in Nonprofit Administration prepares students for careers in, and service to, the nonprofit sector. Guided by national curricular guidelines, the focused program addresses current issues and skills relevant to the nonprofit sector.

Program Admission

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (12 hours)

Code	Title	Hours
<b>Required Courses</b>		
RSA 560	Issues in Nonprofit Administration	3
RSA 565	Nonprofit Grant Writing and Fundraising	3
RSA 570	Fiscal Administration in the Nonprofit Sector	3
RSA 585	Nonprofit Practicum	3
<b>Total Hours</b>		<b>12</b>

## Recreation and Sport Administration, Master of Science (095)

### Program Coordinator

Thomas B. Stinnett, brad.stinnett@wku.edu, (270) 745-4329

This program is designed to prepare professional Recreation and Sport Administration practitioners for a wide range of occupations. The program offers four concentrations: General; Athletic Administration and Coaching; Facility and Event Management; and Intercollegiate Athletic Administration.

The General concentration provides opportunity for study in a specialized area of recreation and sport as students select three elective courses in their area of interest. The Athletic Administration and Coaching concentration provides an opportunity for persons interested in interscholastic Athletic Administration and Coaching to gain knowledge, research and experience in this dynamic area. The Facility and Event Management concentration allows for professional development in the rapidly growing discipline of facility and event management. The Intercollegiate Athletic Administration concentration is designed for individuals looking to enter the field or professionalize their experience in intercollegiate athletics.

### Concentration(s)

- General (RECG)
- Athletic Administration and Coaching (REIA)
- Facility and Event Management (REFM)
- Intercollegiate Athletic Administration (REAA)

### Joint Undergraduate Master's Program (JUMP)

This degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

## Program Admission

Applicants to the Recreation and Sport Administration graduate program must submit the following:

- A bachelor's degree from an accredited college or university
- An official transcript from the college or university granting the baccalaureate degree

- A cumulative baccalaureate grade point average (GPA) of at least 2.75 on a 4.0 scale. Applicants with a cumulative GPA between 2.5 and 2.75 may be considered for conditional admission if they have:
  - A GPA of at least a 2.75 on a 4.0 scale in the last 60 hours completed OR
  - A GPA of at least a 3.0 in the major content area on a 4.0 scale
- A Statement of Professional Intent which adheres to the following guidelines: Statement should provide a sample of the applicant's writing style and ability. It should be 2-3 double-spaced pages in length and is expected to be well organized, clearly written, and error free. It should include an introduction, responses to the three questions listed below, and a conclusion:
  - Why do you want to pursue this degree?
  - What related qualifications and/or experiences do you bring to the program?
  - What are your career goals after completing the program?

### Conditional Admission Requirements

The KRS Graduate Committee may conditionally admit individuals not meeting the above criteria with the additional submission of the following for review:

- A resume including career objective, professional experience, and relevant coursework completed

If accepted conditionally, students must complete the following to be moved from conditional admission to full admission status:

- Must maintain at least a 3.0 overall GPA in the first 12 credit hours

Students meeting this requirement in the first 12 hours will be fully admitted. Students who do not meet this requirement in the first 12 hours will be dismissed from the program.

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (33 hours)

### General Concentration

Code	Title	Hours
<b>Required Courses</b>		
RSA 501	Research Methods in Recreation and Sport	3
RSA 513	Recreation and Sport Administration	3
RSA 515	Recreation and Sport Facility Development	3
RSA 517	Legal Issues in Recreation and Sport	3
RSA 519	Fiscal Practices in Recreation and Sport	3
RSA 521	Public Relations in Recreation and Sport	3

RSA 523	Theoretical Foundations of Recreation and Sport	3
RSA 590	Practicum in Recreation and Sport	3
<b>Electives</b>		
Select 9 hours		9
<b>Total Hours</b>		<b>33</b>

### Athletic Administration & Coaching Concentration

Code	Title	Hours
<b>Required Courses</b>		
RSA 501	Research Methods in Recreation and Sport	3
RSA 513	Recreation and Sport Administration	3
RSA 515	Recreation and Sport Facility Development	3
RSA 517	Legal Issues in Recreation and Sport	3
RSA 519	Fiscal Practices in Recreation and Sport	3
RSA 521	Public Relations in Recreation and Sport	3
RSA 523	Theoretical Foundations of Recreation and Sport	3
RSA 538	Facility and Event Security Management	3
RSA 542	Investigation of Current Interscholastic Athletics Issues	3
RSA 543	Sports Medicine Administration for Interscholastic Athletics	3
RSA 590	Practicum in Recreation and Sport	3
<b>Total Hours</b>		<b>33</b>

### Facility and Event Management Concentration

Code	Title	Hours
<b>Required Courses</b>		
RSA 501	Research Methods in Recreation and Sport	3
RSA 513	Recreation and Sport Administration	3
RSA 515	Recreation and Sport Facility Development	3
RSA 517	Legal Issues in Recreation and Sport	3
RSA 519	Fiscal Practices in Recreation and Sport	3
RSA 521	Public Relations in Recreation and Sport	3
RSA 523	Theoretical Foundations of Recreation and Sport	3
RSA 534	Facility Management	3
RSA 536	Event Management	3
RSA 538	Facility and Event Security Management	3

RSA 590	Practicum in Recreation and Sport	3
<b>Total Hours</b>		<b>33</b>

### Intercollegiate Athletic Administration Concentration

Code	Title	Hours
<b>Required Courses</b>		
RSA 501	Research Methods in Recreation and Sport	3
RSA 513	Recreation and Sport Administration	3
RSA 515	Recreation and Sport Facility Development	3
RSA 517	Legal Issues in Recreation and Sport	3
RSA 519	Fiscal Practices in Recreation and Sport	3
RSA 521	Public Relations in Recreation and Sport	3
RSA 523	Theoretical Foundations of Recreation and Sport	3
RSA 538	Facility and Event Security Management	3
RSA 554	Student-Athlete Development	3
RSA 556	Governance in Intercollegiate Athletics	3
RSA 558	Compliance in Intercollegiate Athletics	3
<b>Total Hours</b>		<b>33</b>

### Joint Undergraduate-Master's Program (JUMP)

The Recreation & Sport Administration (RSA) graduate program offers a Joint Undergraduate-Master's Program (JUMP) which allows academically outstanding students the opportunity to complete both an undergraduate and graduate degree in an accelerated time frame. This JUMP option allows students to start working toward their M.S. in RSA while completing their B.S. in the following: Recreation, Park, and Nonprofit Administration or Sport Management. Undergraduate students admitted into the M.S. in RSA JUMP may take graduate courses that count toward both the undergraduate and graduate degrees. A maximum of 12 credit hours can be applied toward both degrees, and up to 15 credit hours of graduate coursework can be taken while the student is completing the undergraduate degree program.

Eligibility requirements for the M.S. in RSA JUMP include the following:

- majoring in Recreation, Parks, & Nonprofit Administration or Sport Management;
- have earned a minimum of 60 credit hours total, with at least 24 hours earned at WKU;
- have 15 or more credit hours remaining to complete the undergraduate degree;
- possess a minimum cumulative undergraduate GPA of 3.25 for individuals earning a first baccalaureate degree;
- possess a minimum cumulative undergraduate GPA of 3.00 for individuals earning a second baccalaureate degree.

## School of Nursing and Allied Health

Liz Sturgeon, Director  
Health Sciences Complex 2200  
(270) 745-8769  
nursing@wku.edu

## Institute for Rural Health (IRH)

www.wku.edu/irh (<http://www.wku.edu/irh/>)  
Academic Complex 201  
(270) 745-6948

The purpose of the WKU College of Health and Human Services' Institute for Rural Health is to identify rural health and human service needs and facilitate collaborative arrangements engaging WKU students and faculty with community agencies in addressing these needs. The Institute works closely with the departments and schools within the College of Health and Human Services. Resources include the WKU College of Health and Human Services' Mobile Health and Wellness Unit and the Mobile Dental Health Unit. The Institute plays a major role in assisting CHHS in maintaining the focus of student engagement and community service, while promoting collaborative research.

The mission of the IRH is to steward a high quality of life for rural populations and underserved areas: by engaging students and faculty in service learning and research; by providing clinical services; and by serving as a global resource for improving health in rural communities. Staff and students within the College of Health and Human Services provide the services which include oral exams, dental cleanings, dental sealants, fluoride varnishes, preventive health screenings, immunizations, and health education/promotion. The target area to provide these services is the ten-county Barren River District Development area.

## Programs

- Family Nurse Practitioner, Post-MSN Certificate (0449) (p. 108)
- Nursing Practice, Doctor of Nursing Practice (0011) (p. 109)
- Nursing, Master of Science in Nursing (149) (p. 111)
- Psychiatric Mental Health Nurse Practitioner, Post-MSN Certificate (0479) (p. 114)

## Faculty

### Family Nurse Practitioner, Post-MSN Certificate (0449)

#### Program Coordinator

Tonya M. Bragg-Underwood, [tonya.bragg-underwood@wku.edu](mailto:tonya.bragg-underwood@wku.edu), (270) 745-4377

#### Program Contact

Maria E. Main, [eve.main@wku.edu](mailto:eve.main@wku.edu), (270) 745-3489

This certificate is for students who have completed a master's degree or higher in nursing and desire to pursue a non-degree course of study that leads to eligibility to take a national Family Nurse Practitioner certification examination.

## Program Admission

Admission to the Post MSN Certificate is competitive and limited to available space, clinical sites, and clinical preceptors. Following initial review, if applicant meets minimum admission standards, consideration is given to the applicant's professional work experience, statement of professional and personal goals, and professional references. An interview may be requested following a review of admission materials but does not assure acceptance into the program.

### Minimum Admission Standards

1. Earned MSN, DNP or higher degree in nursing from nationally accredited nursing program
2. Hold unencumbered or have applied for RN licensure in Kentucky or compact state
3. Submission of official transcripts that document a cumulative MSN GPA of at least 3.0 on 4.0 scale
4. One year of full-time clinical experience as a registered nurse in a setting supporting primary care practice such as acute care, long term care, home health, etc.

### Additional Required Application Materials

1. A written goal statement (500-700 words in length, 12 pt. font, in Microsoft Word or RTF) describing your personal and professional career goals; your academic strengths and weaknesses; planned location of clinical practicum experiences and potential clinical preceptors; and role change anticipated following completion of certification
2. Three professional references (on form provided) to include current nurse manager or nurse administrator and nurse faculty if a recent (<3 yrs.) MSN graduate.
3. Professional resume

All program admission materials must be received prior to the due date noted on the program web page. An interview may be offered following a review of admission materials. Completion of an interview and acceptance by Graduate Studies does not assure acceptance into the certificate program. Incomplete applications will not be considered for admission. Applicants must reapply to be considered for the next admission cycle by updating the Graduate Studies application, and submitting all required program materials.

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (17 hours)

Code	Title	Hours
<b>Required Courses</b>		
NURS 508	Advanced Issues in Professional Nursing	1
NURS 509	Practice Management for Advanced Practice Nurses	1
NURS 546	Primary Care of the Infant, Child, and Adolescent	3
NURS 547	Primary Care of the Infant, Child and Adolescent Clinical	2
NURS 548	Primary Care of the Adult	3
NURS 549	Primary Care of the Adult Clinical	2

NURS 554	Primary Care Internship	5
<b>Total Hours</b>		<b>17</b>

## Nursing Practice, Doctor of Nursing Practice (0011)

### Program Coordinator

Tonya M. Bragg-Underwood, [tonya.bragg-underwood@wku.edu](mailto:tonya.bragg-underwood@wku.edu), (270) 745-4377

The WKU Doctorate of Nursing Practice (DNP) program is a practice focused degree preparing advanced practice nurses to assume leadership roles in healthcare. The curriculum, based on a scientific foundation for advanced practice, is designed to emphasize evidence-based practice, leadership, health policy development, and organizational analysis and change. The Post-MSN and the BSN to DNP options are available. The BSN to DNP option offers two concentrations: Family Nurse Practitioner (FNP) and Nurse Executive. Both options complete a practice immersion experience and culminating DNP Project. BSN to DNP FNP concentration students are eligible to sit for national certification as a FNP.

### Concentration(s)

- BSN to DNP, Family Nurse Practitioner (DNPF)
- BSN to DNP, Nurse Executive (DNEP)
- MSN to DNP (DNPN)

## Program Admission

1. BSN or MSN from a CCNE (Commission on Collegiate Nursing Education) or Accreditation Commission for Education in Nursing (ACEN, formerly NLNAC/National League for Nursing Accrediting Commission) accredited nursing program
2. GPA - 3.25 cumulative in BSN or MSN
3. Undergraduate degree from an international university outside the U.S. or English is second language submit appropriate TOFEL scores (policy established by Graduate Studies)
4. Three professional references
5. Written goal statement
6. Resume highlighting past education, relevant clinical experience, scholarly endeavors and professional service (BSN to DNP students must document one year of full time experience as a registered nurse prior to enrolling in a clinical course)
7. Professional license
  - a. MSN - current and unencumbered RN and APN license (if applicable) in the state residence in which clinical experiences will be completed.
  - b. BSN - current and unencumbered RN license in Kentucky or compact state

### *The following requirements only apply to the MSN to DNP option:*

1. Completed verification of post-baccalaureate practice hours form. (Applicants who cannot demonstrate a minimum of 500 clinical clock hours in graduate program will be expected to complete clinical course work beyond the proposed curriculum.)
2. Graduate level statistics course within past 5 years

Following review of the admission materials by the Graduate Committee, applicants may be invited to interview with graduate faculty. Admissions are competitive. Documentation that an applicant meets the minimum admission requirements does not ensure admission to the program. It is expected that applicants have moderate technology skills and access to a personal computer and high speed DSL or broadband internet service.

The WKU DNP program is a practice focused degree preparing advanced practice nurses to assume leadership roles in healthcare. The curriculum is based upon a strong scientific foundation for practice and is designed to emphasize evidence-based practice, leadership, health policy development, organizational analysis, and change.

Two options are available in the DNP program: MSN to DNP and BSN to DNP. The BSN to DNP has two concentrations: Family Nurse Practitioner (FNP) and Nurse Executive (NE). BSN to DNP FNP concentration students are eligible to sit for national certification as a FNP.

All students complete a practice immersion experience and culminating DNP Project with a patient population or in a healthcare system that demonstrates application of advanced clinical and evidence-based practice. It will serve as a foundation for future scholarly practice.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (36-76 hours)

### BSN to DNP, Family Nurse Practitioner Concentration (76 hours)

The BSN to DNP is a 76 hour credit program with both full and part time options.

Code	Title	Hours
<b>Required Courses</b>		
Graduate Statistics Course		3
NURS 504	Theoretical Foundations of Professional Nursing	3
NURS 510	Graduate Nursing Research	3
NURS 601	Orientation to Doctor of Nursing Practice	2
NURS 605	Leadership in Nursing Practice	3
NURS 620	Biostatistics for Healthcare Professionals	3
NURS 630	Advanced Epidemiology	3
NURS 700	Healthcare Leadership and Organizational Theory	3
	or LEAD 500	
NURS 701	Leadership in Health Policy	3
NURS 712	Evidenced-Based Practice	3
NURS 714	Economic and Financial Influences in Healthcare Systems	3
NURS 740	Technology in Healthcare	3
NURS 750	Program Development and Evaluation in Healthcare	3
NURS 755	Quality Improvement in Healthcare	3
NURS 765	Institutional Review Board Process in Nursing	1

NURS 780	Clinical Practicum	6
NURS 500	Advanced Physiological and Pathophysiological Concepts	4
NURS 503	Advanced Health Assessment	2
NURS 505	Advanced Health Assessment Clinical	1
NURS 508	Advanced Issues in Professional Nursing	1
NURS 509	Practice Management for Advanced Practice Nurses	1
NURS 515	Advanced Pharmacology	4
NURS 546	Primary Care of the Infant, Child, and Adolescent	3
NURS 547	Primary Care of the Infant, Child and Adolescent Clinical	2
NURS 548	Primary Care of the Adult	3
NURS 549	Primary Care of the Adult Clinical	2
NURS 554	Primary Care Internship	5
<b>Total Hours</b>		<b>76</b>

### BSN to DNP, Nurse Executive Concentration (63 hours)

Code	Title	Hours
<b>Required Courses</b>		
Graduate Statistics Course		3
NURS 504	Theoretical Foundations of Professional Nursing	3
NURS 510	Graduate Nursing Research	3
NURS 601	Orientation to Doctor of Nursing Practice	2
NURS 605	Leadership in Nursing Practice	3
NURS 620	Biostatistics for Healthcare Professionals	3
NURS 630	Advanced Epidemiology	3
NURS 700	Healthcare Leadership and Organizational Theory	3
	or LEAD 500	
NURS 701	Leadership in Health Policy	3
NURS 712	Evidenced-Based Practice	3
NURS 714	Economic and Financial Influences in Healthcare Systems	3
NURS 740	Technology in Healthcare	3
NURS 750	Program Development and Evaluation in Healthcare	3
NURS 755	Quality Improvement in Healthcare	3
NURS 765	Institutional Review Board Process in Nursing	1
NURS 780	Clinical Practicum	6
NURS 528	Leadership and Management in Nursing Administration	3
LEAD 525	Leadership Ethics	3
LEAD 540	Leading Teams	3
BA 510	Advanced Organizational Behavior	3

COMM 581	Applied Organizational Communication	3
<b>Total Hours</b>		<b>63</b>

### MSN to DNP Concentration (36 hours)

The Post-Master's DNP program is a 36 credit hour program with both full and part-time options.

Code	Title	Hours
<b>Required Courses</b>		
NURS 601	Orientation to Doctor of Nursing Practice	2
NURS 620	Biostatistics for Healthcare Professionals	3
NURS 630	Advanced Epidemiology	3
NURS 700	Healthcare Leadership and Organizational Theory	3
or LEAD 500	Effective Leadership Studies	
NURS 701	Leadership in Health Policy	3
NURS 712	Evidenced-Based Practice	3
NURS 714	Economic and Financial Influences in Healthcare Systems	3
NURS 740	Technology in Healthcare	3
NURS 750	Program Development and Evaluation in Healthcare	3
NURS 755	Quality Improvement in Healthcare	3
NURS 765	Institutional Review Board Process in Nursing	1
NURS 780	Clinical Practicum	6
<b>Total Hours</b>		<b>36</b>

## Nursing, Master of Science in Nursing (149)

### Program Coordinator

Rhonda B. Quenzer, rhonda.quenzer@wku.edu, (270) 745-3974

### MSN-Master's Entry Professional Nursing (MEPN) Contact

Tonya Bragg-Underwood, tonya.bragg-underwood@wku.edu, (270) 745-4377

### MSN-Psychiatric Mental Health Nurse Practitioner (MSNS) Contact

Rhonda B. Quenzer, rhonda.quenzer@wku.edu, (270) 745-3974

### MSN-Family Nurse Practitioner (MFNP) Contact

Maria E. Main, eve.main@wku.edu, (270) 745-3489

The purpose of the MSN program is to develop expertise in advanced nursing skills that demands increased accountability, proficiency, and leadership.

The MSN-Master's Entry Professional Nursing (MEPN) is a combined undergraduate master's program that allows the student with a previous baccalaureate degree in a field other than nursing to concurrently obtain the BSN and MSN to become eligible for licensure as an RN. The combined undergraduate master's degree – MEPN concentration will allow for concurrent undergraduate and graduate curriculum study that permits the student to complete up to 12 hours of graduate coursework

as an undergraduate student. Nine credit hours earned from NURS 535, NURS 621, and NURS 624 courses will count toward both the BSN (50 hours) and MSN (31 hours) degrees for a total of 72 credit hours in the combined program. BSN and MSN learning objectives are met in this combined program as stated in the BSN and MSN Program Outcomes Course Map: <https://www.wku.edu/nursing/mepn.php>.

The MSN-Psychiatric Mental Health Nurse Practitioner (MSNS) builds on the baccalaureate of science in nursing for those who wish to be certified as Psychiatric Mental Health Nurse Practitioners.

The MSN-Family Nurse Practitioner (MFNP) builds on the baccalaureate of science in nursing for those who wish to be certified as Family Nurse Practitioners.

Concentration(s)

- Master Entry Professional Nursing (MEPN)
- Psychiatric Mental Health Nurse Practitioner (MSNS)
- Family Nurse Practitioner (MFNP)

## Program Admission

### MSN, Masters Entry Professional Nursing Concentration

Admission to the MSN-MEPN Concentration is competitive and limited to available space. Following initial review, if applicant meets minimum admission standards, consideration is given to the applicant's professional work experience, statement of professional and personal goals, and professional references. An interview will be requested following a review of admission materials but does not assure acceptance into the program.

Minimum admission requirements:

1. Earned Bachelors from a regionally accredited institution in any discipline other than nursing and is NOT a licensed Registered Nurse.
2. Cumulative GPA of at least 3.0 on 4.0 scale
3. Human Anatomy & Physiology (minimum of 6 credit hours with grade(s) of B or above).
4. Human Nutrition (3 credit hours with a grade of B or above).
5. HESI pre-entrance exam completion with a score of 80 or above.
6. To be considered for admission to the MEPN Program, English as a second language (ESL) applicants must achieve minimum scores on the TOEFL internet-based test (TOEFL iBT) of: Minimum Cumulative Score of: 86 combined AND Minimum Individual Scores of: 26 in Speaking 20 in Writing 20 in Reading 20 in Listening.
7. Admission to the Combined MSN-MEPN program.

Additional Required Application Materials:

1. A written goal statement (500-700 words in length, 12 pt. font, in Microsoft Word or RTF) describing your personal and professional career goals; your academic strengths and weaknesses; life modifications you will make to help you be successful in the program; and, your understanding of online or independent learning.
2. Three professional references (on form provided).
3. Professional resume
4. All program admission materials must be received prior to the due date noted on the program web page. An interview may be offered following a review of admission materials. Completion of an interview and acceptance by Graduate Studies does not assure acceptance



into the MSN program. Incomplete applications will not be considered for admission. Applicants must reapply to be considered for the next admission cycle by updating Graduate Studies application and submitting all required program materials.

***\*The Graduate Faculty may schedule a personal interview after all required forms have been received.***

### **MSN, Psychiatric Mental Health Nurse Practitioner Concentration**

Admission to the MSN program is competitive and limited to available space. Following initial review, if applicant meets minimum admission standards, consideration is given to the applicant's professional work experience, statement of professional and personal goals, and professional references. An interview will be requested following a review of admission materials but does not assure acceptance into the program.

Minimum admission requirements:

1. Earned BSN degree from nationally accredited nursing program
2. Hold unencumbered RN licensure at the time of application, and must be licensed in the state where clinical experiences will be completed
3. Cumulative GPA of at least 3.0 on 4.0 scale
4. Applicants with a cumulative GPA between 2.75-2.99 in the BSN degree, will be considered for admission provided they have at least a 3.0 GPA in the last 60 hours of the BSN degree; and have a satisfactory review of additional required admission materials (goal statement, resume, references); plus a positive interview. Admission if approved will be on a probationary status requiring that the student earn a minimum grade of B in each course in the first 12 hours of the program.
5. Psychiatric NP applicants must document at least one year of RN experience in a psychiatric mental health nursing before the start of clinical course in the program.

### **Additional Required Application Materials:**

1. A written goal statement (500-700 words in length, 12 pt. font, in Microsoft Word or RTF) describing your personal and professional career goals; your academic strengths and weaknesses; life modifications you will make to help you be successful in the program; and, your understanding of online or independent learning.
2. Three professional references (on form provided) to include nurse manager or nurse administrator and nursing faculty if a recent (<3 yrs.) BSN graduate.
3. Professional resume
4. All program admission materials must be received prior to the due date noted on the program web page. An interview may be offered following a review of admission materials. Completion of an interview and acceptance by Graduate Studies does not assure acceptance into the MSN program. Incomplete applications will not be considered for admission. Applicants must reapply to be considered for the next admission cycle by updating Graduate Studies application and submitting all required program materials.

*\*The Graduate Faculty may schedule a personal interview after all required forms have been received.*

### **MSN, Psychiatric Mental Health Nurse Practitioner Progression Requirements**

1. MSN students must adhere to progression requirements found in the WKU Graduate Catalog.

2. Additionally MSN students must earn a 3.0 (B) in each specialty course before progressing to the next course according to the recommended curriculum sequence.
3. Document at least one (1) year of experience working with people with psychiatric-mental health conditions.

### **MSN, Family Nurse Practitioner Concentration**

Admission to the MSN Family Nurse Practitioner program is competitive and limited to available space. Following initial review, if applicant meets minimum admission standards, consideration is given to the applicant's professional work experience, statement of professional and personal goals, and professional references. An interview will be requested following a review of admission materials but does not assure acceptance into the program.

Minimum admission requirements:

1. Earned BSN degree from nationally accredited nursing program
2. Hold unencumbered RN licensure at the time of application, and must be licensed in the state where clinical experiences will be completed
3. Cumulative GPA of at least 3.0 on 4.0 scale
4. Applicants with a cumulative GPA between 2.75-2.99 in the BSN degree, will be considered for admission provided they have at least a 3.0 GPA in the last 60 hours of the BSN degree; and have a satisfactory review of additional required admission materials (goal statement, resume, references); plus a positive interview. Admission if approved will be on a probationary status requiring that the student earn a minimum grade of B in each course in the first 12 hours of the program.
5. Family NP applicants must document at least one year of RN experience before the beginning of clinical coursework in the program.

Additional Required Application Materials:

1. A written goal statement (500-700 words in length, 12 pt. font, in Microsoft Word or RTF) describing your personal and professional career goals; your academic strengths and weaknesses; life modifications you will make to help you be successful in the program; and, your understanding of online or independent learning.
2. Three professional references (on form provided) to include nurse manager or nurse administrator and nursing faculty if a recent (<3 yrs.) BSN graduate.
3. Professional resume
4. All program admission materials must be received prior to the due date noted on the program web page. An interview may be offered following a review of admission materials. Completion of an interview and acceptance by Graduate Studies does not assure acceptance into the MSN program. Incomplete applications will not be considered for admission. Applicants must reapply to be considered for the next admission cycle by updating Graduate Studies application and submitting all required program materials.

*\*The Graduate Faculty may schedule a personal interview after all required forms have been received.*

### **Graduate Studies Admission**

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30-43 hours)

### Psychiatric Mental Health Nurse Practitioner Concentration (43 hours)

The Psychiatric Mental Health Nurse Practitioner is prepared at the graduate level to diagnose, prescribe and treat psychiatric illnesses and mental health conditions across the lifespan. This concentration prepares the graduate to sit for certification as a Psychiatric Mental Health Nurse Practitioner (across the lifespan). See special admission criteria on the program admission section.

Code	Title	Hours
<b>Required Courses</b>		
NURS 500	Advanced Physiological and Pathophysiological Concepts	4
NURS 501	Nursing, Politics and Health Policy	2
NURS 503	Advanced Health Assessment	2
NURS 504	Theoretical Foundations of Professional Nursing	3
NURS 505	Advanced Health Assessment Clinical	1
NURS 507	Advanced Psychiatric Nurse Practitioner Assessment and Clinical Interviewing Techniques	1
NURS 508	Advanced Issues in Professional Nursing	1
NURS 510	Graduate Nursing Research	3
NURS 511	Advanced Psychiatric Nurse Practitioner III	1
NURS 536	Advanced Psychopharmacology	1
NURS 512	Research Applications	2
NURS 515	Advanced Pharmacology	4
NURS 523	Adv Psychiatric Nurse Practitioner I: Diag/Mgmt Psych Disorders in Adults and Elderly	3
NURS 524	Advanced Psychiatric Nurse Practitioner I: Clinical	2
NURS 525	Adv Psychiatric Nurse Practitioner II: Diag/Mgmt Psych Disorders in Child, Adolescent, Young Adult	3
NURS 526	Advanced Psychiatric Nurse Practitioner II: Clinical	2
NURS 527	Advanced Psychiatric Nurse Practitioner III: Internship	5
Graduate statistics course		3
<b>Total Hours</b>		<b>43</b>

### Master Entry Professional Nursing (31 hours)

The Master Entry Professional Nursing is a two-year concentration that prepares students with a bachelor's degree in any area outside of nursing to become entry-level professional nurses. MEPN students earn a Master of Science in Nursing degree. Graduates are eligible to take the National Council Licensure Examination (NCLEX-RN) for registered nursing licensure.

Code	Title	Hours
<b>Required Courses</b>		
NURS 501	Nursing, Politics and Health Policy	2
NURS 510	Graduate Nursing Research	3
NURS 512	Research Applications	2
NURS 621	High Acuity Nursing for the Master Entry Professional Nurse	3
NURS 521	Statistics in Health Care	3
NURS 624	Pathophysiology for the Master Entry Professional Nurse	3
NURS 528	Leadership and Management in Nursing Administration	3
NURS 535	Health Assessment for the Master Entry Professional Nurse	3
NURS 605	Leadership in Nursing Practice	3
NURS 755	Quality Improvement in Healthcare	3
NURS 504	Theoretical Foundations of Professional Nursing	3
<b>Total Hours</b>		<b>31</b>

### Family Nurse Practitioner Concentration (41 hours)

The Family Nurse Practitioner is prepared at the graduate level to provide disease management and health promotion across the lifespan. This concentration prepares the graduate to sit for national certification as a Family Nurse Practitioner. See special admission criteria on the program admission section.

Code	Title	Hours
NURS 500	Advanced Physiological and Pathophysiological Concepts	4
NURS 501	Nursing, Politics and Health Policy	2
NURS 503	Advanced Health Assessment	2
NURS 504	Theoretical Foundations of Professional Nursing	3
NURS 505	Advanced Health Assessment Clinical	1
NURS 508	Advanced Issues in Professional Nursing	1
NURS 509	Practice Management for Advanced Practice Nurses	1
NURS 510	Graduate Nursing Research	3
NURS 512	Research Applications	2
NURS 515	Advanced Pharmacology	4
NURS 521	Statistics in Health Care	3
NURS 546	Primary Care of the Infant, Child, and Adolescent	3
NURS 547	Primary Care of the Infant, Child and Adolescent Clinical	2
NURS 548	Primary Care of the Adult	3
NURS 549	Primary Care of the Adult Clinical	2
NURS 554	Primary Care Internship	5
<b>Total Hours</b>		<b>41</b>

## Psychiatric Mental Health Nurse Practitioner, Post-MSN Certificate (0479)

### Program Coordinator

Rhonda B. Quenzer, rhonda.quenzer@wku.edu, (270) 745-3974

The Psychiatric Mental Health Nurse Practitioner (PMHNP) certificate is for Advance Practice Registered Nurses (APRNs) who have completed a master's degree or higher in nursing and desire to pursue a non-degree course of study that leads to eligibility to take a national Psychiatric Mental Health Nurse Practitioner (PMHNP) certification examination.

NURS 525	Adv Psychiatric Nurse Practitioner II: Diag/Mgmt Psych Disorders in Child, Adolescent, Young Adult	3
NURS 526	Advanced Psychiatric Nurse Practitioner II: Clinical	2
NURS 511	Advanced Psychiatric Nurse Practitioner III	1
NURS 527	Advanced Psychiatric Nurse Practitioner III: Internship	5
NURS 536	Advanced Psychopharmacology	1
<b>Total Hours</b>		<b>18</b>

## Program Admission

1. MSN, DNP or higher degree in nursing from a nationally accredited nursing program
2. GPA of 3.0 on 4.0 scale.
3. Submit a copy of your professional license, current and unencumbered APRN and RN license in Kentucky or compact state.
4. If applicant has an undergraduate degree from an international university outside of the U.S. or if English is the applicant's second language, submit appropriate TOFEL scores (policy established by Graduate Studies)
5. Submit a WKU application for admission with appropriate fee
6. Provide official transcripts of all undergraduate and higher education coursework.
7. Provide three (3) professional references. If graduated from a BSN program within three (3) years of application, one (1) reference must be from a faculty of your program
8. Submit a typed, 1-2 page goal statement
9. Submit a resume highlighting past education, relevant clinical experience, scholarly endeavors and professional service
  - a. Document one (1) year of full time RN and/or APRN clinical experience
  - b. Document at least one (1) year of experience working with people with psychiatric mental health conditions
10. Successfully complete an interview with graduate faculty (scheduled upon completion of above).

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (18 hours)

Code	Title	Hours
<b>Required Courses</b>		
NURS 507	Advanced Psychiatric Nurse Practitioner Assessment and Clinical Interviewing Techniques	1
NURS 523	Adv Psychiatric Nurse Practitioner I: Diag/Mgmt Psych Disorders in Adults and Elderly	3
NURS 524	Advanced Psychiatric Nurse Practitioner I: Clinical	2

# GORDON FORD COLLEGE OF BUSINESS

Dr. Evelyn Thrasher, Dean  
 Dr. Alex Lebedinsky, Associate Dean  
 Grise Hall 445  
 (270) 745-2279 or (270) 745-6581  
 gfc@wku.edu  
 www.wku.edu/business (<http://www.wku.edu/business/>)

## History

The long, rich history of the Gordon Ford College of Business is traced back to 1874. Its forerunner, Bowling Green Business University (BU), was a prestigious private four-year business college. In June 1963, the Western Kentucky State Normal School (later Western Kentucky University) assumed the business programs of the BU and named it the Bowling Green College of Commerce in 1964. 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. The Association to Advance Collegiate Schools of Business, AACSB, accredits all business programs offered by the College. 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.

## 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.

## Center for Applied Data Analytics

<https://sites.google.com/view/wkucada> (<https://sites.google.com/view/wkucada/>)

Dr. Lily Popova Zhuhadar, Director  
 Grise Hall 226  
 (615) 604-4995

The mission of the Gordon Ford College of Business Center for Applied 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.

### 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 their 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 which promote potential job opportunities.

### Collaborative Research

- Serves 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

[www.wku.edu/economics/cae](http://www.wku.edu/economics/cae) (<https://www.wku.edu/economics/cae/>)  
 Sebastian Leguizamon, Director  
 Grise Hall 462  
 (270) 745-3970

The WKU CAE is an outreach of the WKU Department of Economics and Gordon Ford College of Business. It serves as an economic information access point for Bowling Green and South Central Kentucky, provides a bridge between technical research in economics and the local community on relevant topics, provides fee-based studies, and engages graduate students in applied analysis.

## Center for Financial Success

[www.wku.edu/cfs/](http://www.wku.edu/cfs/) (<https://www.wku.edu/cfs/>)  
 financialsuccess@wku.edu  
 Andrew Head, Director  
 Grise Hall 322  
 (270) 883-1910

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](mailto:financialsuccess@wku.edu)!

## Center for Leadership Excellence

[gfc@wku.edu](mailto:gfc@wku.edu)  
 (270) 745-6311

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

## Center for Professional Selling

[www.wku.edu/cps/](http://www.wku.edu/cps/) (<http://www.wku.edu/cps/>)  
 Lukas Forbes ([lukas.forbes@wku.edu](mailto:lukas.forbes@wku.edu)), Director

(270) 745-2993

Welcome to the WKU Center for Professional Selling. Our Sales Program is one of 20 Fully Certified Sales Programs in the United States as a member of the University Sales Center Alliance, and we are one of eight programs in the country offering an academic major and minor in sales.

The WKU Center for Professional Selling is the only certified program in the Commonwealth of Kentucky and the surrounding geographic area. This Center was formed 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 both 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 that minor, more than 20 different majors are represented, ranging from finance to public relations and agriculture to psychology.

## Center for the Study of Capitalism

[www.wku.edu/capitalism](https://www.wku.edu/capitalism/) (<https://www.wku.edu/capitalism/>)

Dennis Wilson ([dennis.wilson@wku.edu](mailto:dennis.wilson@wku.edu)), Interim Director

(270) 745-2632

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.

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## Departments and Programs

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- Department of Economics (p. 120)
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## Department of Accounting

Mark Ross, Chair  
Grise Hall 502  
(270) 745-2964  
acctdept@wku.edu

### Programs

- Accountancy and Data Analysis, Master of Accountancy (0501) (p. 117)

### Faculty

#### Professor

Yining Chen PhD (Business Administration), University of South Carolina - Columbia, 1993

#### Associate Professor

Jason M. Bergner PhD (Business Administration), University of Kentucky, 2011

Stacy R. Bibelhauser PhD (Business Administration), University of Kentucky, 2004

Nicholas J. Fessler PhD (Business), Indiana University-Bloomington, 1999

Minwoo Lee PhD (Business Administration), University of Pitts Pittsburgh Camp, 1993

Mark T. Ross PhD (Business Administration, Finance), University of Arizona, 1996

#### Assistant Professor

Charles O. Kile PhD (Business Administration), Washington University, 1993

Jonathan F. Ross PhD (Business Administration), University of Kentucky, 2013

Pinky Rusli PhD (Business Administration), University of Kentucky, 2017

#### Pedagogical Assistant Professor

Braden G. Grant MS, Western Kentucky University, 2014

## Accountancy and Data Analysis, Master of Accountancy (0501)

#### Program Coordinator

Stacy R. Bibelhauser, stacy.bibelhauser@wku.edu, (270) 745-3194

The Master of Accountancy & Data Analysis (MADA) is an advanced program of study designed to provide students with an expanded understanding of accounting, data analytics and business by building on the foundation gained in an undergraduate accounting program. The program provides a graduate-level curriculum to accommodate the growing body of knowledge in accounting and equips accounting students with additional skills and competencies. Graduates are prepared to research various databases related to accounting topics, perform data analysis and/or cybersecurity procedures, exercise judgment in making accounting-related decisions, and effectively communicate the results of the research and analysis. Teaching methods vary with a mix of lectures, case studies, special projects, and research activities. In addition to completing the 30 hours of coursework, each student is encouraged to participate in a professional certification review program.

### Joint Undergraduate Master's Program (JUMP)

This degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the

opportunity to complete both an undergraduate and graduate degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

### Program Admission

In order to be considered eligible for admission to the Master of Accountancy & Data Analysis (MADA), an applicant should satisfy the following requirements:

- An application to Graduate Studies.
- Official transcript(s) of all college work attempted indicating the applicant has received an undergraduate degree in accounting from an accredited college or university with a minimum undergraduate GPA of 3.25 (4.0 scale) for the terms in which the student completed the last sixty (60) hours of undergraduate coursework.
- Official Graduate Management Admissions Test (GMAT) score report with a minimum score of 500.
- A grade of a "C" or better in all undergraduate accounting courses.
- International students must provide evidence of their ability to communicate in English in both oral and written form. (For written skills, a minimum of 550 on the paper based TOEFL or a minimum of 79 on the iBT TOEFL).
- International students must submit transcript evaluations on a course level basis prepared by WES or similar organization. (The Kentucky State Board of Accountancy requires course credits to be certified by the Foreign Academics Credentialing Service or another credentialing agency that is a member of the National Association of Credential Evaluation Services, Inc.).
- An applicant with an undergraduate degree in an area other than accounting who meets the other criteria may be considered for the program upon the completion of additional undergraduate and/or graduate accounting coursework.

*\*These minimum requirements establish eligibility for admission, but do not guarantee acceptance into the program.*

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

### Program Requirements (30 hours)

The program curriculum consists of thirty (30) semester hours of graduate courses with twenty four (24) semester hours of required accounting and data analytics and/or cybersecurity courses.

Code	Title	Hours
<b>Required Courses</b>		
ACCT 500	Advanced Financial Accounting and Reporting	3
ACCT 510	Advanced Accounting Information Systems and Data Analytics	3
ACCT 520	Special Topics in Managerial Accounting	3
ACCT 530	Special Topics in Tax Research and Planning	3
ACCT 540	Advanced Auditing Standards, Applications and Fraud	3
<b>Electives</b>		
Select three courses from the following:		9

BDAN 513	Contemporary Business Analytics
BDAN 517	Predictive Analytics
BDAN 519	Visualization and Decision Making
BDAN 515	Data Management
CYSA 520	Principles of Cybersecurity for Data Analytics
CYSA 522	Cybersecurity Risk and Compliance
CYSA 524	Cybersecurity Orchestration Using Data Analytics
Select two electives with advisor approval <sup>1</sup>	6

**Total Hours** **30**

<sup>1</sup> Students admitted to the MADA program may select electives from any graduate program offered in the Gordon Ford College of Business or in any other WKU graduate program upon approval by the MADA program director. BA 515 will not be considered as satisfying any part of the 30-hour requirement. Individual programs of study must be approved by the program director. The selection of elective courses should be directly related to the student's career goals and/or desired skills/competencies.

A student admitted to the MADA program must maintain a 3.0 GPA (4.0 scale). The MADA program director, with the consent/approval of the faculty appeals committee, may grant permission for any student who fails to maintain a 3.0 GPA due to extenuating circumstances to continue for one semester on a probationary basis. Any student granted probationary status must attain a cumulative 3.0 GPA by the end of the following semester to remain in the program.

A student who receives a "C" or lower in two required accounting courses will be subject to dismissal from the program. The program director, with the consent/approval of the faculty appeals committee, may grant a waiver in cases of extenuating circumstances.

## Department of Analytics and Information Systems

<http://www.wku.edu/ais> (<http://www.wku.edu/ais/>)

Ray Blankenship, Chair  
Grise Hall 201  
(270) 745-3509

### Programs

- Cybersecurity Data Analytics, Certificate (1754) (p. 118)
- Cybersecurity Data Analytics, Master of Science (0502) (p. 118)
- Data Analytics, Certificate (1753) (p. 120)

### Faculty Professor

John K. Atkinson EdD (Adult, Higher, and Community Education, Information & Communication Sciences), Ball State University, 2007  
Ray Blankenship PhD (Business Administration- Management Information Systems), University of Mississippi, 1994  
Mark D. Ciampa PhD (Tech Mgt (Digital Comm Systems)), Indiana State University, 2008  
Sean R. Marston PhD (Business Administration, Information Systems and Operation), University of Florida, 2010

Lily P. Zhuhadar PhD (Computer Science and Engineering), University of Louisville, 2009

### Associate Professor

Thaddeus R. Crews PhD (Computer Science), Vanderbilt University, 1995

## Cybersecurity Data Analytics, Certificate (1754)

### Program Coordinator

Mark D. Ciampa, [mark.ciampa@wku.edu](mailto:mark.ciampa@wku.edu), (270) 745-3509

This 12-hour graduate certificate is the study of cybersecurity defenses by using data analytics to support the principles of data confidentiality, integrity, and availability. In this program, students will learn to defend proactively and continuously improve the security of the enterprise with an emphasis on using data analytics. Students will also learn about cybersecurity policies and compliance issues from an information assurance and risk management perspective.

### Admission Requirements

- Application to the WKU Graduate Studies
- Applicants are required to have completed an introductory statistics course prior to enrolling in the certificate program.
- Applicants are required to have completed an intermediate to advanced spreadsheet class prior to enrolling in the certificate program.
- Applicants are encouraged to have completed an introduction to networking course with a C-grade or better or hold a current Security + certification.

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

### Program Requirements (12 hours)

Code	Title	Hours
BDAN 513	Contemporary Business Analytics	3
CYSA 520	Principles of Cybersecurity for Data Analytics	3
CYSA 522	Cybersecurity Risk and Compliance	3
CYSA 524	Cybersecurity Orchestration Using Data Analytics	3
CYSA 596A	GFCB Graduate Certificate Assessment - Cybersecurity Data Analytics	0

**Total Hours** **12**

## Cybersecurity Data Analytics, Master of Science (0502)

### Program Coordinator

Mark D. Ciampa, [mark.ciampa@wku.edu](mailto:mark.ciampa@wku.edu), (270) 745-3509

This program is the study of cybersecurity defenses using data analytics to support the principles of data confidentiality, integrity, and availability. In this program, students will learn to defend proactively and

continuously improve the enterprise's security with an emphasis on using data analytics. Students will learn about the latest techniques in data management, data mining models, and data visualization. Students will also learn about cybersecurity policies and compliance issues from an information assurance and risk management perspective.

## Concentrations

- Local Government Administration (CDLG)
- Organizational Communication (CDOC)
- Healthcare Administration (CDHA)
- Supply Chain Management (CDSC)
- Interdisciplinary Studies (CDIS)

## Program Admission

Applicants must have completed an introductory statistics course and an intermediate to advanced spreadsheet course prior to enrolling in the certificate program.

Applicants are encouraged to have completed an introduction to networking course with a C grade or better or hold a current Security+ certification.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30 hours)

This program consists of twenty-one hours of core classes and nine hours from one of the concentrations listed below.

Code	Title	Hours
<b>Required Courses</b>		
CYSA 520	Principles of Cybersecurity for Data Analytics	3
CYSA 522	Cybersecurity Risk and Compliance	3
CYSA 524	Cybersecurity Orchestration Using Data Analytics	3
BDAN 513	Contemporary Business Analytics	3
BDAN 515	Data Management	3
BDAN 517	Predictive Analytics	3
BDAN 519	Visualization and Decision Making	3
CYSA 599	Cybersecurity Data Analytics Portfolio	0
Select a concentration		9
<b>Total Hours</b>		<b>30</b>

### Local Government Administration Concentration

Code	Title	Hours
PS 526	Local Government Administration	3
PS 528	Civic Engagement and E-Governance	3
<b>Advisor Approved Elective</b>		<b>3</b>
PS 520	Elements of Public Administration	
PS 550	Cultural Competencies for Public Administrators	
PS 554	Cross-Sector Collaboration & Conflict	

Code	Title	Hours
PS 562	Public Policy Implementation & Evaluation	
<b>Total Hours</b>		<b>9</b>
<b>Organizational Communication Concentration</b>		
Code	Title	Hours
<b>Advisor Approved Electives</b> <sup>1</sup>		<b>9</b>
COMM 523	Health Communication	
COMM 528	Communication in the Nonprofit Sector	
COMM 553	Health Communication Campaigns	
COMM 561	Multinational Organizational Communication	
COMM 564	Crisis Communication	
COMM 568	Communication and Organizational Identification	
COMM 571	Organizational Communication in the Digital Age	
COMM 578	Seminar in Interpersonal Communication	
COMM 581	Applied Organizational Communication	
COMM 586	Process of Group Communication	
COMM 590	Intercultural Communication	

<sup>1</sup> Not all courses will be offered online in a calendar year.

### Health Care Administration Concentration

Code	Title	Hours
<b>Advisor Approved Electives</b>		<b>9</b>
HCA 540	Health Care Organization and Management	
HCA 541	Strategic Management & Marketing of Health Services	
HCA 542	Health Care Human Resources Administration	
HCA 545	Managerial Finance for Health Services	
HCA 586	Health Economics & Policy	

### Supply Chain Management Concentration

Code	Title	Hours
<b>Advisor Approved Electives</b>		<b>9</b>
BA 579	Supply Chain Management	
BA 583	Procurement Management	
BA 584	Supply Chain Analytics	



## Interdisciplinary Studies Concentration

Code	Title	Hours
COMM 523	Health Communication	9
COMM 528	Communication in the Nonprofit Sector	
COMM 553	Health Communication Campaigns	
COMM 561	Multinational Organizational Communication	
COMM 564	Crisis Communication	
COMM 568	Communication and Organizational Identification	
COMM 571	Organizational Communication in the Digital Age	
COMM 578	Seminar in Interpersonal Communication	
COMM 581	Applied Organizational Communication	
COMM 586	Process of Group Communication	9
COMM 590	Intercultural Communication	
PS 526	Local Government Administration	
PS 528	Civic Engagement and E-Governance	
PS 520	Elements of Public Administration	
PS 550	Cultural Competencies for Public Administrators	
PS 564	Nonprofits & Public Policy	
PS 562	Public Policy Implementation & Evaluation	
BA 579	Supply Chain Management	
BA 583	Procurement Management	9
BA 584	Supply Chain Analytics	

## Data Analytics, Certificate (1753)

### Program Coordinator

Mark D. Ciampa, mark.ciampa@wku.edu, (270) 745-3509

This 12-hour graduate certificate will prepare students for utilizing data to drive decision making. Students will be exposed to the latest innovations in data analytics, data management, data mining models, and data visualization.

## Program Admission

- Admission to WKU Graduate Studies.
- Applicants are required to have completed an introductory statistics course prior to enrolling in the certificate program.
- Applicants are required to have completed an intermediate to advanced spreadsheet class prior to enrolling in the certificate program.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (12 hours)

Code	Title	Hours
BDAN 513	Contemporary Business Analytics	3
BDAN 515	Data Management	3
BDAN 517	Predictive Analytics	3
BDAN 519	Visualization and Decision Making	3
BDAN 596A	GFCB Grad Certificate Assessment - Business Data Analytics	0
<b>Total Hours</b>		<b>12</b>

## Department of Economics

Dr. David Zimmer, Interim Chair  
david.zimmer@wku.edu

Dr. Christopher Biolsi, Interim Graduate Program Director  
christopher.biolsi@wku.edu

Grise Hall 431  
(270) 745-2249  
econ@wku.edu  
<http://www.wku.edu/economics> (<http://www.wku.edu/economics/>)

## Programs

- Applied Economics, Master of Arts (0410) (p. 120)
- Economic Data Analytics, Certificate (0491) (p. 122)

## Faculty

### Professor

Alexander G. Lebedinsky PhD (Economics), Georgetown University, 2004  
Dennis P. Wilson PhD (Economics), University of Kentucky, 1999  
David M. Zimmer PhD (Economics), Indiana University-Bloomington, 2004

### Associate Professor

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  
Susane Leguizamon PhD (Economics), West Virginia University, 2010  
Stephen L. Locke PhD (Economics), University of Kentucky, 2013

### Assistant Professor

Golnaz Baradaran Motie PhD (Business & Economics), West Virginia University, 2018  
Zhixian Lin PhD (Economics), University of California-Davis, 2020

## Applied Economics, Master of Arts (0410)

### Interim Program Coordinator

Dr. Christopher Biolsi, christopher.biolsi@wku.edu

The Master of Arts in Applied Economics offers three concentrations: General concentration, Mathematical Methods concentration, and Business Economics concentration. The General concentration emphasizes the training of students with backgrounds in economics and other arts and sciences for careers that require strong quantitative

skills, technical tools, and communication abilities that can be applied to a broad range of subjects. The Mathematical Methods concentration is designed for students with a strong background in mathematics to gain applied knowledge in economics. The Business Economics concentration couples the economic theory and research methods with coursework from the MBA program to prepare students for careers in the private sector. Students in the Business Economics concentration can earn graduate certificates in Economic Data Analytics, and either Supply Chain Management or Data Analytics certificates while completing the program.

Students in any of the three concentrations may also enroll in approved courses from related master programs including but not limited to the Master in Business Administration, the Master in Public Administration, and the Master in Health Administration to enhance their range of knowledge and experience. In addition to course work, the program utilizes practicum, an end-of-program applied project, and non-credit workshops to build specific technical skills and to enhance employability of graduates.

Through a partnership with SAS Institute, students enrolled in the program may be able to earn a Tier 1 SAS Academic Specialization in Economic Data Analytics: <https://www.credly.com/org/sas/badge/sas-western-kentucky-university-academic-specialization-in-economic-data-analytics> (<https://www.credly.com/org/sas/badge/sas-western-kentucky-university-academic-specialization-in-economic-data-analytics/>)

## Concentration(s)

- General (ECGE)
- Mathematical Methods (ECMM)
- Business Economics (ECBE)

## Joint Undergraduate Master's Program (JUMP)

This degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

## Program Admission

### General Concentration

1. Three letters of recommendation from individuals familiar with the student's academic performance.
2. Official GRE score taken within the last five years. Minimum GRE quantitative score of 147 on a 170 point scale. Alternate graduate admission test scores such as the GMAT or LSAT will be considered on a case by case basis.

<sup>1</sup> All applicants must have completed an introductory microeconomics course (ECON 202 or equivalent), an introductory macroeconomics course (ECON 203 or equivalent), and an introductory statistics course (ECON 206 or equivalent). Students who have not completed an intermediate level course (300 level or higher) in microeconomics, macroeconomics, or statistics are advised to complete online preparatory work in the area of deficiency prior to admission.

### Mathematical Methods Concentration

1. Graduate Studies admission application which includes submission of official undergraduate degree transcripts with a major in Economics, Mathematics, Math-Econ or other related majors.<sup>2</sup>

2. Three letters of recommendation from individuals familiar with the student's academic performance.
3. Minimum undergraduate GPA of 2.75 (4.0 scale).
4. Official GRE score taken within the last five years. Minimum GRE quantitative score of 147 on a 170 point scale. Alternate graduate admission test scores such as the GMAT or LSAT will be considered on a case by case basis. GRE requirement is waived for students who have earned an undergraduate degree from WKU and have a minimum GPA of 3.3 in their major.

<sup>2</sup> All applicants must have completed a calculus sequence through multivariable calculus, discrete mathematics, principles of micro- and macroeconomics, and one semester of junior or senior level probability theory.

## Business Economics Concentration

1. Graduate Studies admission application which includes submission of official undergraduate degree transcripts.<sup>1</sup>
2. Three letters of recommendation from individuals familiar with the student's academic performance.
3. Minimum undergraduate GPA of 2.75 (4.0 scale).
4. Official GRE score taken within the last five years. Minimum GRE quantitative score of 147 on a 170 point scale. Alternate graduate admission test scores such as the GMAT or LSAT will be considered on a case by case basis.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Degree Requirements (30 hours)

Code	Title	Hours
<b>Required Courses</b>		
ECON 465G	Regression and Econometric Analysis <sup>1</sup>	3
ECON 502	Applied Micro Economic Theory	3
ECON 503	Applied Macroeconomic Theory	3
ECON 506	Applied Statistical Methods	3
ECON 594	Forecasting	3
<b>Electives</b>		
Concentration		15
<b>Total Hours</b>		<b>30</b>

<sup>1</sup> If ECON 465 was taken at the undergraduate level, this course must be substituted with either a MATH, ECON, or STAT course from the list of the electives.

## General Concentration

Code	Title	Hours
<b>Required Course</b>		
ECON 596	Applied Economics Project	3-6
<b>Electives</b>		
Select 9-12 hours of advisor approved ECON graduate courses		9-12
<b>Total Hours</b>		<b>15</b>

## Mathematical Methods Concentration

Code	Title	Hours
<b>Required Course</b>		
ECON 596	Applied Economics Project	3
<b>Electives</b>		
Select 12 hours from the following: <sup>2</sup>		12
ECON 507	Data Methods in Economics	
ECON 571	Public Policy Economics	
ECON 585	Topics in Macroeconomics	
ECON 597	Practicum in Economics	
ECON 598	Independent Study Economics	
ECON 400G	Issues in Capital Market Economics	
ECON 410G	Seminar in Economics	
ECON 420G	Public Sector Economics	
ECON 430G	Environmental and Resource Economics	
ECON 434G	The Economics of Poverty and Discrimination	
ECON 440G	American Industry: Structure, Performance and Policy	
ECON 445G	Economics of Healthcare	
ECON 464G	Introduction to Mathematical Economics	
ECON 496G	International Monetary Economics	
MATH 405G	Numerical Analysis I	
MATH 406G	Numerical Analysis II	
MATH 431G	Intermediate Analysis I	
MATH 470G	Introduction to Operations Research	
MATH 482G	Probability & Statistics II	
MATH 529	Applied Probability	
MATH 531	Advanced Differential Equations	
MATH 532	Real Analysis	
MATH 540	Stochastic Processes	
MATH 541	Graph Theory	
MATH 542	Advanced Topics in Discrete Mathematics	
MATH 570	Topics in Operations Research	
MATH 590	Special Topics in Mathematics	
MATH 598	Graduate Seminar: Communicating Mathematics and Technical Writing	
STAT 549	Statistical Methods I	
STAT 550	Statistical Methods II	
<b>Total Hours</b>		<b>15</b>

## Business Economics Concentration

Code	Title	Hours
<b>Select 15 hours with advisor approval:<sup>3</sup></b>		
BA 510	Advanced Organizational Behavior	
BA 513	Contemporary Business Analytics	
BA 515	Managerial Accounting	
BA 517	Advanced Marketing	
BA 519	Advanced Managerial Finance	

BA 590	Strategic Business Concepts and Applications
BA 579	Supply Chain Management
BA 583	Procurement Management
BA 584	Supply Chain Analytics
BDAN 513	Contemporary Business Analytics
BDAN 515	Data Management
BDAN 517	Predictive Analytics
BDAN 519	Visualization and Decision Making
ECON 400G	Issues in Capital Market Economics
ECON 420G	Public Sector Economics
ECON 430G	Environmental and Resource Economics
ECON 434G	The Economics of Poverty and Discrimination
ECON 440G	American Industry: Structure, Performance and Policy
ECON 445G	Economics of Healthcare
ECON 451G	Games and Strategy
ECON 464G	Introduction to Mathematical Economics
ECON 496G	International Monetary Economics
ECON 507	Data Methods in Economics
ECON 571	Public Policy Economics
ECON 596	Applied Economics Project
<b>Total Hours</b>	<b>15</b>

<sup>2</sup> At least 9 hours must be MATH or STAT courses.

<sup>3</sup> At least 12 hours must be BA or BDAN courses.

## Economic Data Analytics, Certificate (0491)

### Interim Program Coordinator

Dr. Christopher Biolsi, christopher.biolsi@wku.edu  
(%20christopher.biolsi@wku.edu)

This graduate certificate will help prepare professionals for jobs in both public and private sector. Students will demonstrate advanced knowledge in quantitative economics disciplines including applied economic statistics, econometrics and time series forecasting, as well as data management skills.

## Program Admission

Admission to the certificate does not require or include admission to the MA in Applied Economics program. Applicants are required to have completed an introductory statistics course prior to enrolling in the certificate program.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (12 hours)

Code	Title	Hours
<b>Required Courses</b>		
ECON 465G	Regression and Econometric Analysis <sup>1</sup>	3
ECON 506	Applied Statistical Methods	3
ECON 594	Forecasting	3
ECON 464G	Introduction to Mathematical Economics	3
or ECON 507	Data Methods in Economics	
or ECON 596	Applied Economics Project	
or ECON 598	Independent Study Economics	
<b>Total Hours</b>		<b>12</b>

<sup>1</sup> If a student completed ECON 465 as an undergraduate at WKU or an equivalent course from another institution, he/she must enroll in an additional elective course above or in one of the courses currently approved for MA Applied Economics degree program.

## Department of Finance

Indudeep Chhachhi, Chair  
Grise Hall 334  
(270) 745-2928  
finance@wku.edu

### Faculty Professor

Indudeep S. Chhachhi DBA (Business Administration), Southern Illinois University Carbondale, 1990  
Yung L. Lo PhD (Finance), Florida State University, 2007

### Associate Professor

Mohsen Aram PhD (Business Administration, Finance), Oklahoma State University Main Campus, 2016

## Department of Management

Whitney Peake, Chair  
Grise Hall 202  
(270) 745-5408  
mgt@wku.edu

### Faculty Professor

Paula W. Burt PhD (Business Administration), University of Kentucky, 1997  
Ismail Civelek PhD (Operations Management and Manufacturing), Carnegie Mellon University, 2010  
Robert D. Hatfield PhD (Business), Indiana University-Bloomington, 1996  
Whitney O. Peake PhD (Agricultural Economics), Purdue University Main Campus, 2008  
Michael S. Spiller PhD (Human Resources Management), The University of Alabama, 1999

### Associate Professor

Feng Helen Liang PhD (Business Administration), University of California-Berkeley, 2006

Mariah D. Yates PhD (Business Administration), University of Cincinnati Main Campus, 2018

### Assistant Professor

Gihan S. Edirisinghe PhD (Business Administration), Washington State University, 2019

### Pedagogical Associate Professor

Dana C. Henson PhD (Educational Leadership and Organizational Development), University of Louisville, 2008

## Department of Marketing

Lukas Forbes, Chair  
Grise Hall 402  
(270) 745-2993

### Programs

- Marketing and Sales, Certificate (1786) (p. 123)

### 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

Kathryn A. Nicewicz Scott PhD (Business Administration), Kennesaw State University, 2022

## Marketing and Sales, Certificate (1786)

### Program Coordinator

Lukas Forbes, lukas.forbes@wku.edu, (270) 745-2993

This 4-course marketing and sales MBA certificate will expose students to the necessary skills and knowledge needed to become more proficient in marketing. Students will learn key elements of marketing, market research, digital marketing along with skills needed in the sales field.

### Admission Requirements

- Admission to WKU Graduate Studies;
- At least 3 years experience in a professional setting;
- Background knowledge of and exposure to word processing, spreadsheets and presentations

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (12 hours)

Code	Title	Hours
BA 513	Contemporary Business Analytics	3
BA 517	Advanced Marketing	3
BA 518	Contemporary Issues in Sales	3

BA 521	Market Research and Consumer Insights	3
MKT 596A	GFCB Graduate Certificate Assessment - Marketing and Sales	0
<b>Total Hours</b>		<b>12</b>

- one or more preparatory courses as specified by the MBA Director;
- one or more core area proficiency exams (fees required).

<sup>1</sup> These minimum requirements establish eligibility for admission, but do not guarantee acceptance.

## GFCB Interdisciplinary Programs

### Programs

- Business Administration, Master of Business Administration (057) (p. 124)
- Enterprise Management, Certificate (1777) (p. 125)
- Executive Decision Making, Certificate (1778) (p. 125)
- Supply Chain Management, Certificate (1772) (p. 126)

## Business Administration, Master of Business Administration (057)

### Program Coordinator

Kathryn A. Nicewicz Scott, kate.nicewicz@wku.edu

The Master of Business Administration (MBA) prepares graduates for successful business and organizational leadership careers. To deepen their expertise, students will select two of the following concentrations: Supply Chain Management, Business Data Analytics, Cybersecurity Management, Enterprise Management, Executive Decision Making, Marketing and Sales, and Dietetic Practice.

### Concentrations

- Supply Chain Management (SCMA)
- Business Data Analytics (BUDA)
- Cybersecurity Analytics (CYSA)
- Enterprise Management (ENTM)
- Executive Decision Making (EXDM)
- Marketing and Sales (MKTS)
- Dietetic Practice (DIET)

## Program Admission

Applicant materials are reviewed on a rolling basis. Students accepted into the MBA program will receive written notification and additional orientation materials. Students not admitted will be notified in writing and may be encouraged to reapply during the next regular admissions cycle.

The admission process for the MBA program at Western Kentucky University involves the following steps and requirements<sup>1</sup>:

- Completion of Graduate Studies admission application and a current resume with two references listed.
- Applicants seeking admission must meet the following criteria: minimum undergraduate overall grade point average of 2.75 on a 4.0 scale and 3 to 5 years of professional experience.
- Applicants who have limited prior academic background in basic business may be required to demonstrate proficiency in major areas by successfully completing one of the following:

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

The WKU Stackable MBA offers students the flexibility of choosing a combination of two of the GFCB Certificate programs plus two courses.

Choose Two of the following certificates:

### Program Requirements (30 hours)

Code	Title	Hours
<b>Required Courses</b>		
BA 590	Strategic Business Concepts and Applications	3
BA 597	MBA Portfolio	0
Select one elective from the following: <sup>1</sup>		3
BA 510	Advanced Organizational Behavior	
BA 511	Applied Micro Economic Theory	
BA 513	Contemporary Business Analytics	
BA 517	Advanced Marketing	
BA 555	Strategic Leadership	
BA 556	Leading Innovation, Creativity and Change	
1st Concentration		12
2nd Concentration		12
<b>Total Hours</b>		<b>30</b>

<sup>1</sup> Students must choose an elective that is not required by their declared concentrations.

### Supply Chain Management Concentration

Code	Title	Hours
BA 510	Advanced Organizational Behavior	3
BA 579	Supply Chain Management	3
BA 583	Procurement Management	3
BA 584	Supply Chain Analytics	3
BA 596A	GFCB Graduate Certificate Assessment - Supply Chain Management	0
<b>Total Hours</b>		<b>12</b>

### Business Data Analytics Concentration

May not be combined with the Cybersecurity Analytics concentration.

Code	Title	Hours
BDAN 513	Contemporary Business Analytics	3
BDAN 515	Data Management	3
BDAN 517	Predictive Analytics	3
BDAN 519	Visualization and Decision Making	3

BDAN 596A	GFCB Grad Certificate Assessment - Business Data Analytics	0
<b>Total Hours</b>		<b>12</b>

### Cybersecurity Management Concentration

May not be combined with the Business Data Analytics concentration.

Code	Title	Hours
CYSA 520	Principles of Cybersecurity for Data Analytics	3
CYSA 522	Cybersecurity Risk and Compliance	3
CYSA 524	Cybersecurity Orchestration Using Data Analytics	3
BDAN 513	Contemporary Business Analytics	3
CYSA 596A	GFCB Graduate Certificate Assessment - Cybersecurity Data Analytics	0
<b>Total Hours</b>		<b>12</b>

### Enterprise Management Concentration

Code	Title	Hours
BA 515	Managerial Accounting	3
BA 517	Advanced Marketing	3
BA 546	Sustainable Business Operations Management	3
BA 560	Contemporary Human Resources Management	3
BA 596B	GFCB Graduate Certificate Assessment - Enterprise Management	0
<b>Total Hours</b>		<b>12</b>

### Executive Decision Making Concentration

Code	Title	Hours
BA 511	Applied Micro Economic Theory	3
BA 519	Advanced Managerial Finance	3
BA 520	Critical Thinking and Business Ethics	3
BA 555	Strategic Leadership	3
BA 596C	GFCB Graduate Certificate Assessment - Executive Decision Making	0
<b>Total Hours</b>		<b>12</b>

### Marketing and Sales Concentration

Code	Title	Hours
BA 513	Contemporary Business Analytics	3
BA 517	Advanced Marketing	3
BA 518	Contemporary Issues in Sales	3
BA 521	Market Research and Consumer Insights	3
MKT 596A	GFCB Graduate Certificate Assessment - Marketing and Sales	0
<b>Total Hours</b>		<b>12</b>

### Dietetic Practice Concentration

Code	Title	Hours
HMD 583	Foodservice Systems Management	3
HMD 584	Community Nutrition Program Management	3
HMD 587	Seminar in Concepts and Methods of Dietetic Practice	3
BA 510	Advanced Organizational Behavior	3
<b>Total Hours</b>		<b>12</b>

## Enterprise Management, Certificate (1777)

### Program Coordinator

Kathryn A. Nicewicz Scott, kate.nicewicz@wku.edu

The Enterprise Management graduate certificate provides business acumen needed for general management roles in contemporary organizations.

### Program Admission

- Students must have a bachelor's degree with a GPA of 2.75 or more;
- Professional experience of 3 - 5 years in a business or related discipline role.

### Program Requirements (12 hours)

Code	Title	Hours
BA 517	Advanced Marketing	3
BA 560	Contemporary Human Resources Management	3
BA 515	Managerial Accounting	3
BA 546	Sustainable Business Operations Management	3
BA 596B	GFCB Graduate Certificate Assessment - Enterprise Management	0
<b>Total Hours</b>		<b>12</b>

## Executive Decision Making, Certificate (1778)

### Program Coordinator

Kathryn A. Nicewicz Scott, kate.nicewicz@wku.edu

The Executive Decision Making graduate certificate provides students with tools and frameworks needed for evaluating business challenges and opportunities.

### Program Admission

- Bachelor's degree with a 2.75 grade point average or better;
- Professional experience of 3-5 years in a business or related discipline.

## Program Requirements (12 hours)

Code	Title	Hours
BA 511	Applied Micro Economic Theory	3
BA 519	Advanced Managerial Finance	3
BA 520	Critical Thinking and Business Ethics	3
BA 555	Strategic Leadership	3
BA 596C	GFCB Graduate Certificate Assessment - Executive Decision Making	0
<b>Total Hours</b>		<b>12</b>

## Supply Chain Management, Certificate (1772)

### Program Coordinator

Kathryn A. Nicewicz Scott, kate.nicewicz@wku.edu

This certificate is designed for professionals interested in advancing their career in Supply Chain Management. Learn how to achieve a competitive advantage for your organization through strategic sourcing, procurement best practices, and supply chain design and optimization.

### Program Admission

- Admission to WKU Graduate Studies
- At least three years full-time experience in a professional role strongly preferred
- Background knowledge of and exposure to word processing, spreadsheets and presentations

## Program Requirements (12 hours)

Code	Title	Hours
<b>Required Courses</b>		
BA 510	Advanced Organizational Behavior	3
BA 579	Supply Chain Management	3
BA 583	Procurement Management	3
BA 584	Supply Chain Analytics	3
BA 596A	GFCB Graduate Certificate Assessment - Supply Chain Management	0
<b>Total Hours</b>		<b>12</b>

# OGDEN COLLEGE OF SCIENCE AND ENGINEERING

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Dr. David N. Brown, Dean  
 Dr. Cathleen Webb, Associate Dean for Research  
 Dr. Stuart Burris, Associate Dean  
 College High Hall 2114  
 (270) 745-4449  
 ogdencollegedeansoffice@wku.edu  
 www.wku.edu/ogden (<https://www.wku.edu/ogden/>)

## 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 both applied and basic sciences. Students have an opportunity to choose advanced study and research in a broad range of subjects, including agriculture, biology, biochemistry, chemistry, computer science, construction management, engineering, geosciences, architectural science, advanced manufacturing, materials, mathematics, meteorology, physics, homeland security sciences, and psychology. We are recognized by the high quality and success of our students and graduates. Students receive personal attention to professional development through engagement with faculty in projects that expand on classroom instruction. Ogden College is home to the Applied Research and Technology Program (ARTP), a multidisciplinary program consisting of 12 scientific and service-oriented Centers and Institutes designed to prepare students for the knowledge-based 21st Century global economy. These Centers meet the research and workforce needs of the community, state and nation while providing unique opportunities for students to transition from academia to the workplace or graduate programs through participation in supervised, hands-on applied research and technological projects. Students grow intellectually and professionally through participation in these activities. Each Center operates within a cooperative and interdisciplinary framework to apply state-of-the-art science toward finding cost-effective solutions to environmental and health issues and to the technological problems of government and industry. The ARTP serves as a catalyst for economic development in the region and beyond.

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## Departments and Programs

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    - Mathematics, Master of Arts (049) (p. 135)
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## Department of Agriculture and Food Science

Paul Woosley, Department Chair  
Environmental Science and Technology 269  
(270) 745-3151  
agriculture@wku.edu

### Programs

- Agriculture, Master of Science (052) (p. 128)

### 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

Jean D. Gumirakiza PhD (Economics), Utah State University, 2013

Stephen A. King PhD (Agricultural Economics), Oklahoma State University Main Campus, 2004

Thomas W. Kingery PhD (Agricultural Leadership, Education, & Communications), Texas A & M University, 2010

Martin J. Stone PhD (Agronomy), Texas A & M University, 1994

William D. Strunk PhD, University of Arkansas Main Campus, 2015

#### Assistant Professor

Phillip A. Gunter PhD (Animal Sciences), Auburn University, 2018

Luiz H. Pereira Silva PhD (Animal Science), Foreign College/University, 2018

Navdeep Singh PhD (Soil Science), South Dakota State University, 2020

#### Clinical Assistant Professor

Roger L. Dennis MAE (Agriculture Education, Secondary Education), Western Kentucky University, 1992

#### Instructor I

Paige A. Smith MS (Agriculture), Western Kentucky University, 2017

## Agriculture, Master of Science (052)

#### Program Coordinator

Jean D. Gumirakiza, dominique.gumirakiza@wku.edu, (270) 745-5959

The Master's Degree is a general degree in agriculture and can be thesis or non-thesis depending on student goals. The degree is general by design which allows for maximum flexibility for each student.

### Joint Undergraduate Master's Program (JUMP)

This degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

### Program Admission

In addition to Graduate Studies admissions requirements, the Department of Agriculture requires:

1. Bachelor's degree in agriculture or related field <sup>1</sup>
2. GPA of 2.75 or greater (on 4.0 scale)
3. Three letters of reference
4. Resume or curriculum vitae
5. Cover letter (i.e. statement of purpose) in which the applicant specifies the program to which they are applying (thesis or non-thesis), academic interests, relevant experiences, and a graduate faculty member in the WKU Department of Agriculture that has agreed to serve as the graduate advisor <sup>2,3</sup>

<sup>1</sup> Exceptions to an agriculture degree may be made for non-agriculture undergraduate degree holders. However, additional coursework may be required, which will be determined by the department graduate committee and/or the student's thesis committee.

<sup>2</sup> Program and faculty information may be found at [www.wku.edu/agriculture/](http://www.wku.edu/agriculture/). Students should contact the agriculture graduate program coordinator for guidance in the research advisor selection process. The graduate program coordinator will review the student research interests and suggest possible research advisors.

<sup>3</sup> Applications should be received by March 15<sup>th</sup> for priority consideration.

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

### Program Requirements (30 hours)

Code	Title	Hours
<b>Required Courses</b>		
AGRI 491G	Data Analysis and Interpretation	3
AGRI 590	Experimental Design	3
AGRI 598	Seminar	3
<b>Select 12 credit hours from the following:</b>		<b>12</b>
AGRI 528	Population Genetics	
AGEC 561	Agricultural Production and Economics	
AGRI 599	Thesis Research/Writing <sup>1</sup>	
AGEC 671	Advanced Agribusiness	
AGRI 675	Advanced Topics/Agriculture	
AGEC 675	Advanced Topics Agricultural Economics	
AGRI 597	Independent Special Problems/ Agriculture	
ANSC 675	Advanced Topics in Animal Science	
AGED 675	Advanced Topics in Agriculture Education	
<b>In consultation with your academic advisor, select 9 hours of electives from any of the following disciplines: AGECE, AGED, AGMC, AGRI, AGRO, ANSC, BA, BIOL, CHEM, ECON, EDU, HORT, or LEAD to complete a minimum of 30 graduate credit hours.</b>		<b>9</b>
<b>Total Hours</b>		<b>30</b>

<sup>1</sup> Thesis option students only must take 6 credit hours.

## Department of Biology

Douglas McElroy, Department Chair  
Kelly Thompson Hall 3007  
(270) 745-3696  
biology@wku.edu

### Programs

- Biology, Certificate (0493) (p. 129)
- Biology, Master of Science (056) (p. 129)

### Faculty

#### Professor

Noah T. Ashley PhD (Zoology), University of Washington, 2004  
Carl W. Dick PhD (Zoology), Texas Tech University, 2005  
Scott A. Grubbs PhD (Biological Sciences, Ecology and Evolution), University of Pitts Pittsburgh Camp, 1997  
Stephen H. Huskey PhD (Biological Sciences), Florida Institute Technology, 2003  
Jarrett R. Johnson PhD (Biology), University of Missouri-Columbia, 2005  
Rodney A. King PhD (Microbiology and Immunology), Virginia Commonwealth University, 1993  
Douglas McElroy PhD (Zoology), University of Maine - Orono, 1992  
Thomas K. Philips PhD (Entomology), The Ohio State University Main Campus, 1997  
Bruce A. Schulte PhD (Environmental and Forest Biology), SUNY Col Envrnmtl Sci-Forestry, 1993  
Michael E. Smith PhD (Marine Science), University of Texas at Austin, 2001  
Ajay Srivastava PhD (Molecular Biology and Genetics), University of Alberta, 2003  
Michael K. Stokes PhD (Biology, Systematics and Ecology), University of Kansas Main Campus, 1994

#### Associate Professor

Simran Banga PhD (Biological Sciences), Purdue University Main Campus, 2009  
Philip W. Lienesch PhD (Zoology), University of Oklahoma Norman, 1997

#### Assistant Professor

Hilary R. Katz PhD (Integrative Biology), University of Chicago, 2018  
Joseph R. Marquardt PhD (Molecular Genetics), The Ohio State University Main Campus, 2017  
Jason A. Stewart PhD (Biochemistry), University of Rochester, 2009

#### Pedagogical Associate Professor

Kerrie L. McDaniel PhD (Plant Biology), Southern Illinois University Carbondale, 1997  
Natalie J. Mountjoy PhD (Zoology), Southern Illinois University, 2014

#### Senior Instructor

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

## Biology, Certificate (0493)

#### Program Coordinator

Jarrett R. Johnson, jarrett.johnson@wku.edu, (270) 745-3696

The Biology Certificate is designed for individuals pursuing a career in a biology-related field and who require 15 hours of graduate biology coursework for professional training or accreditation. It is also applicable for students interested in pursuing an advanced degree in the field, but

who do not have an undergraduate degree in biology. Completion of the Biology Certificate Program will equip graduates with supplemental and enhanced knowledge and skills in biology that broaden their career opportunities and support their professional development. The Biology Certificate also allows for transition into the Master of Science Program (056), non-thesis concentration.

#### Program Admission

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (15 hours)

Code	Title	Hours
<b>Required Courses</b>		
BIOL 524	Evolution and Ecological Genetics	3
or BIOL 532	Behavioral Ecology	
or BIOL 543	Environmental Science Concepts	
or BIOL 545	Animal Communication	
BIOL 407G	Virology	3
or BIOL 411G	Cell Biology	
or BIOL 446G	Biochemistry I	
or BIOL 495G	Molecular Genetics	
<b>Electives</b>		
Select 9 hours of graduate biology courses <sup>1</sup>		9
<b>Completion of Biology Assessment Exam</b>		
<b>Total Hours</b>		<b>15</b>

<sup>1</sup> Students may not select BIOL 500, BIOL 516, BIOL 598 or BIOL 599.

## Biology, Master of Science (056)

#### Program Coordinator

Carl W. Dick, carl.dick@wku.edu, (270) 745-2043

The Master of Science in Biology offers advanced instruction and training in the life sciences, emphasizing the development of critical thinking skills and hypothesis-testing. Both a thesis and non-thesis concentration are available. The traditional thesis concentration prepares students for a wide range of careers in teaching, research, and public service, and provides excellent preparation for Ph.D. study or other research-based pursuits in the biological sciences and related fields. The non-thesis concentration offers a distance-learning option and is designed primarily for career-oriented students who desire asynchronous, advanced training in biology but do not require extensive research experience.

#### Concentrations

- Thesis (BTHE)
- Non-thesis (BNTH)

### Program Admission

In addition to Graduate Studies requirements, the Department of Biology requires the following:

- An undergraduate degree in Biology or a related discipline, or evidence of adequate preparation in the field of Biology;

- A thoughtful and reflective Statement of Purpose (ca. 1-2 pages) that describes the applicant's background, experience and preparation in the field, interest in the WKU program, and future or career interests. The statement must specify whether applicant is choosing the thesis or non-thesis (online) concentration, and thesis concentration applicants must identify a WKU biology graduate faculty member who has agreed to serve as advisor;
- A current Curriculum Vitae or Resume;
- Three letters of recommendation from professional references.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30 hours)

The M.S. in Biology program offers thesis and non-thesis concentrations. Thesis students enroll in six hours of BIOL 599 and non-thesis students enroll in four hours of BIOL 516 as part of their degree program.

### Thesis Concentration

Code	Title	Hours
<b>Required Courses</b>		
BIOL 500	Introduction to Graduate Studies and Research in Biology (Typically first semester)	3
BIOL 598	Graduate Seminar (Typically final semester)	2
BIOL 599	Thesis Research/Writing	6
<b>Electives</b>		
Any BIOL graduate courses except BIOL 516		19
<b>Total Hours</b>		<b>30</b>

### Non-thesis Concentration

Code	Title	Hours
<b>Required Courses</b>		
BIOL 500	Introduction to Graduate Studies and Research in Biology (Taken prior to BIOL516)	3
BIOL 516	Investigations/Biology	4
BIOL 598	Graduate Seminar	2
<b>Electives</b>		
Any BIOL graduate courses except BIOL 599		21
<b>Total Hours</b>		<b>30</b>

## Department of Chemistry

Matthew Nee, Department Chair  
 Kelly Thompson Hall 4016  
 (270) 745-3457  
[chemistry@wku.edu](mailto:chemistry@wku.edu)

## Programs

- Chemistry, Master of Science (059) (p. 130)

## Faculty Professor

Stuart C. Burris PhD (Chemistry), North Carolina State University, 1998  
 Eric D. Conte PhD (Chemistry), University of Massachusetts, 1993  
 Matthew J. Nee PhD (Chemistry), University of California-Berkeley, 2005  
 Lester L. Pesterfield PhD (Chemistry), University of Tennessee, Knoxville, 1991  
 Cathleen J. Webb PhD (Chemistry), University of Washington, 1989  
 Kevin M. Williams PhD (Chemistry), Emory University, 2000  
 Bangbo Yan PhD (Chemistry), Nanyang University, 2003  
 Rui Zhang PhD (Chemistry), University of Hong Kong, 2001

### Associate Professor

Lawrence J. Hill PhD (Chemistry), University of Arizona, 2014  
 Moon-Soo Kim PhD (Food Science and Technology), Cornell University, 2007  
 Jeremy B. Maddox PhD (Chemistry), University of Houston, 2003

### Assistant Professor

Lei Li PhD (Chemistry), University of Florida, 2018

### Senior Instructor

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

## Chemistry, Master of Science (059)

### Program Coordinator

Lawrence J. Hill, [lawrence.hill@wku.edu](mailto:lawrence.hill@wku.edu), (270) 745-2136

The graduate program in chemistry provides a unique learning and research environment and many opportunities for students to develop as independent researchers. Graduate faculty members provide personal and professional mentoring in an intrinsically collegial, yet challenging graduate experience. Available resources efficiently support the learning needs and academic ambitions of students with varied backgrounds and interests. The program is designed to offer students comprehensive training in analytical chemistry, biochemistry, inorganic chemistry, materials chemistry, organic chemistry, and physical chemistry.

### Concentration(s)

- General Thesis (CTGN)
- Biochemistry Thesis (CTBC)
- Research Intensive Thesis (CRIT)

### Joint Undergraduate Master's Program (JUMP)

This degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

## Program Admission

In addition to Graduate Studies admission requirements, the Department of Chemistry requires:

1. Bachelor's degree in chemistry or equivalent including supporting courses in mathematics<sup>1</sup>
2. GPA in chemistry courses of 3.0 or greater (on 4.0 scale)
3. GRE general scores (Q+V) and Analytical Writing.<sup>2,3</sup>

<sup>1</sup> Exceptions to possessing a chemistry degree may be made for students with undergraduate degrees in chemistry-related areas (e.g. chemical engineering, pharmacy, pharmaceutical science, forensic chemistry). However, additional courses may be required and will be determined by the graduate program coordinator and/or the student's thesis committee.

<sup>2</sup> Scores from MCAT, PCAT, or DAT may be substituted for equivalent GRE scores.

<sup>3</sup> Although there are no formal minimum GRE scores, admission is competitive.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30-32 hours)

The program requirements include 12 hours of common courses and an additional 18 - 20 hours of coursework, depending on the concentration. The additional 18-20 hours of coursework must include a minimum of two lecture courses at the 500 level, and no more than 12 hours may be taken at the 400G level.

All master's degree-seeking students must complete the following common courses:

Code	Title	Hours
<b>Required Courses</b>		
CHEM 516	Chemical Literature Review	2
CHEM 588	Research Proposal	2
CHEM 598	Graduate Seminar <sup>1</sup>	2
CHEM 599	Thesis Research/Writing <sup>2</sup>	6
<b>Total Hours</b>		<b>12</b>

<sup>1</sup> Requirements are to be satisfied according to the current departmental policy.

<sup>2</sup> Requirements are to be satisfied by preparing a thesis on the project chosen by the student and approved by the members of the student's graduate committee. Theses are to be prepared in accordance with the specifications established by Graduate Studies. A thesis grade will be given after the final thesis has been approved by the student's graduate committee and the department chair.

**Master's degree-seeking students must select one of the following concentrations:**

1. General thesis concentration
2. Biochemistry thesis concentration
3. Research intensive concentration (only recommended in special circumstances and with approval of a research advisor)

## General Thesis Concentration

Code	Title	Hours
<b>Required Courses</b>		
Select 3 courses from 3 of the 5 core areas below:		9
CHEM 531 or CHEM 435G	Advanced Analytical Chemistry Instrumental Analysis	
CHEM 562	Advanced Biochemistry	

or CHEM 535	Analytical Biochemistry	
or CHEM 446G	Biochemistry	
CHEM 520 or CHEM 420G	Advanced Inorganic Chemistry Inorganic Chemistry	
CHEM 541 or CHEM 540	Advanced Organic Chemistry Organic Reactions	
CHEM 550 or CHEM 452G or CHEM 450G	Advanced Physical Chemistry Physical Chemistry II Physical Chemistry I	
<b>Electives</b>		
Select 9 hours of graduate lecture courses *		9
<b>Total Hours</b>		<b>18</b>

\* Graduate lecture courses include the following:

CHEM 420G, CHEM 425G, CHEM 430G, CHEM 435G, CHEM 446G, CHEM 450G, CHEM 452G, CHEM 462G, CHEM 470G, CHEM 475G, CHEM 490G, CHEM 520, CHEM 531, CHEM 535, CHEM 540, CHEM 541, CHEM 550, CHEM 560, CHEM 562, and CHEM 590.

## Biochemistry Thesis Concentration

Code	Title	Hours
<b>Required Courses</b>		
Select 3 courses from at least 3 of the 5 core areas below:		9
CHEM 531 or CHEM 435G	Advanced Analytical Chemistry Instrumental Analysis	
CHEM 562 or CHEM 535 or CHEM 446G	Advanced Biochemistry Analytical Biochemistry Biochemistry	
CHEM 520 or CHEM 420G	Advanced Inorganic Chemistry Inorganic Chemistry	
CHEM 541 or CHEM 540	Advanced Organic Chemistry Organic Reactions	
CHEM 550 or CHEM 452G or CHEM 450G	Advanced Physical Chemistry Physical Chemistry II Physical Chemistry I	
<b>Required Concentration Courses</b>		
CHEM 535 or CHEM 562 or CHEM 446G	Analytical Biochemistry Advanced Biochemistry Biochemistry	3
CHEM 467G	Biochemistry	3
CHEM 447G	Lab Biochemistry	2
<b>Electives</b>		
Select 3 hours of graduate lecture courses *		3
<b>Total Hours</b>		<b>20</b>

\* Graduate lecture courses include the following:

CHEM 420G, CHEM 425G, CHEM 430G, CHEM 435G, CHEM 446G, CHEM 450G, CHEM 452G, CHEM 462G, CHEM 470G, CHEM 475G, CHEM 490G, CHEM 520, CHEM 531, CHEM 535, CHEM 540, CHEM 541, CHEM 550, CHEM 560, CHEM 562, and CHEM 590.

## Research Intensive Thesis Concentration

Candidates for the research intensive concentration are required to complete 30 semester hours of graduate work, including 12 hours of coursework and 18 hours of research-related graduate work. Candidates must apply to the Department Graduate Committee in order

to be considered for this concentration. As part of the concentration application, they must select a research advisor and meet with the committee to demonstrate they understand the requirements for this concentration. The Committee must consider factors such as previous research experience of the student, publication record of the student, and the research advisor's publication record when determining if the student can pursue this concentration. The student and advisor must submit a progress report to the Committee by the end of the second semester. If the committee determines there is insufficient progress towards research and publication, the student will be moved to the normal thesis concentration. A student in the Research Intensive Thesis concentration may also opt to pursue the Thesis option at the end of the first or second semester after consulting with their research advisor.

A student moving to another concentration within the first or second semester should be able to complete the requirements within the average two year period. A student who wishes to move to another concentration in the second year of graduate study must get permission from the Graduate Committee and will probably require an additional semester of coursework to complete the degree.

Code	Title	Hours
<b>Required Courses</b>		
Select one of the following advanced lecture courses:		3
CHEM 520	Advanced Inorganic Chemistry	
CHEM 531	Advanced Analytical Chemistry	
CHEM 541	Advanced Organic Chemistry	
CHEM 550	Advanced Physical Chemistry	
CHEM 562	Advanced Biochemistry	
CHEM 596	Practicum Research Experience in Chemistry <sup>1</sup>	6
CHEM 595	Scientific Writing in Chemistry <sup>2</sup>	6
<b>Elective</b>		
Select one additional advanced lecture course above or one of the following:		3
CHEM 535	Analytical Biochemistry	
CHEM 540	Organic Reactions	
CHEM 560	Chemical Agents and Explosives	
CHEM 590	Material Chemistry	
CHEM 591	Material Chemistry Laboratory	
<b>Total Hours</b>		<b>18</b>

<sup>1</sup> Requirements are to be satisfied by conducting a research project under the direction of the student's research advisor. This course provides faculty-mentored research experiences and emphasizes skill based training for students. Bridging the gap between academic study and professional development, this course will help students to develop and enhance problem solving and communication skills. This course emphasizes mastery of advanced technical skills, independent of thesis research.

<sup>2</sup> Requirements include preparing and submitting two manuscripts based on their research to peer-reviewed journals under the guidance of the thesis committee. At least one paper must be accepted to receive credit and graduate.

#### Joint Undergraduate Master's Program (JUMP) in chemistry.

The Department of Chemistry offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the

opportunity to complete both an undergraduate and graduate degree in an accelerated timeframe. See <https://catalog.wku.edu/graduate/enrollment/> or contact the chemistry graduate program coordinator for additional information.

This JUMP program allows students to start working toward their MS in chemistry while completing their bachelor's of science degree in chemistry. Undergraduate students admitted into JUMP may take graduate courses that count toward both undergraduate and graduate degrees. Up to 9 credit hours can be double-counted toward both degrees, and up to 12 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 an accelerated timeframe. For more information, see <https://www.wku.edu/chemistry/>.

A student must be a chemistry or biochemistry major, and they must have completed at least one semester long research experience with a faculty member in the Department of Chemistry to be considered for admission to the chemistry JUMP program. Note that admissions are competitive and dependent upon graduate program capacity.

The graduate courses accepted for the undergraduate program meet student learning outcomes for both the undergraduate and graduate programs linked in this JUMP program.

Consistent with the WKU JUMP policy, the Department of Chemistry proposes to allow no more than 9 hours from the following graduate CHEM courses to be used by students in the JUMP program toward their bachelor's degree: CHEM 420G, CHEM 435G, CHEM 446G, CHEM 450G, CHEM 452G, CHEM 520, CHEM 531, CHEM 535, CHEM 540, CHEM 541, CHEM 550, and CHEM 562.

Learning outcomes in the undergraduate program are fulfilled through core courses or restricted electives, and every graduate course listed above maps directly onto one of these learning outcomes. #Thus, all learning outcomes of the undergraduate program are maintained, but at a more rigorous level, through completion of these graduate courses.

## Department of Earth, Environmental, and Atmospheric Sciences

Leslie North, Department Chair  
Environmental Science & Technology 304  
(270) 745-4555

At WKU, students and faculty within the Department of Earth, Environmental, and Atmospheric Sciences (EEAS) study an interdisciplinary cadre of contemporary topics aimed at exploring, understanding, and solving the wondrous curiosities of our dynamic planet, and its effects on society. EEAS offers three undergraduate programs and one graduate program, directs two certificate programs, and shares graduate duties with a partnered graduate program:

- B.S. Environmental, Sustainability & Geographic Studies
- B.S. Geological Sciences
- B.S. Meteorology (GS-1340)
- M.S. Geoscience
- Certificate (online): Emergency Management Disaster Science (EMDS; undergraduate/graduate)
- Certificate: Geographic Information Science (GIS; undergraduate)

- M.S. Homeland Security Science (HSS; co-advised with Physics & Astronomy)

In addition to developing fundamental core knowledge in the classroom, EEAS emphasizes applied experiential and high-impact student learning (undergraduate and graduate) via immersive study abroad programs and otherwise nationally awarded (Field Methods in Severe Weather Analysis & Forecasting) and globally recognized (Karst Field Studies Program) field course programs. Students engage in the department's state-of-art operational and research facilities, certified commercial water quality laboratories, as well as service-learning experiences in collaboration with local, regional, national, and global entities. Students in EEAS also work directly alongside faculty with university and state-level appointments, including the Kentucky State Climatologist, WKU's University Meteorologist, University Emergency Manager, and University Director of Sustainability. EEAS students are also guided to prominent national-level internship and research programs around the country.

All students in EEAS are invited to participate in any of the four Ogden College of Science & Engineering Applied Research & Technology Program (ARTP) facilities and co-associated initiatives housed in the department. These include:

- Center for Human GeoEnvironmental Studies (CHNGES) and HydroAnalytical Lab
- Crawford Hydrology Lab
- Disaster Science Operations Center (DSOC) and White Squirrel Weather
- Kentucky State Climate Office – The Kentucky Mesonet

Whether students are helping with state-wide weather and climate monitoring, conducting dye-trace stream analysis, monitoring water quality, or providing hyperlocal meteorological and emergency management decision-support and training, the ARTP programs of distinction and its supporting units within EEAS provide robust student-centered experiential professional development opportunities unique to WKU. Additionally, EEAS provides students with seven innovative lab spaces dedicated for applied learning and research that focuses on geospatial analytics, applied meteorological and climatological sciences, environmental and sustainability issues, and advances in geology.

The EEAS "learn by doing" philosophy has a proven, measured record of providing key pathways to help students develop advanced professional analytical and communication skills that promote post-graduate readiness in a variety of career sectors.

Joint Undergraduate Master's Program (JUMP) degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate degree in approximately five years. Contact the graduate program coordinator for additional information.

The Geoscience, Master of Science (072) provides advanced professional training for careers as hydrologists, environmental resource managers, city and regional planners, engineering geologists, geophysical and geochemical geologists, meteorologists and climatologists, earth science teachers, Geographic Information Systems (GIS) specialists, consultants in business and industry, and professional educators. The program also provides a scientific foundation for graduate students who plan to continue advanced studies leading to the Ph.D.

## Programs

- Geoscience, Master of Science (072) (p. 133)

## Faculty Professor

Jerald A. Brotzge PhD, University of Oklahoma Norman, 2000  
 Joshua D. Durkee PhD (Geography), University of Georgia, 2002  
 Xingang Fan PhD (Atmospheric Sciences, Synoptic Dynamics), Lanzhou University, 1996  
 MD R. Gani PhD (Geosciences), University of Texas at Dallas, 2005  
 Nahid Gani PhD (Geosciences), University of Texas at Dallas, 2006  
 Margaret M. Gripshover PhD (Geography), University of Tennessee, Knoxville, 1995  
 Christopher G. Groves PhD (Environmental Science), University of Virginia, 1993  
 Michael T. May PhD (Geological Sciences), Indiana University-Bloomington, 1992  
 Jason Polk PhD (Geography and Environmental Science and Policy), University of South Florida, 2009  
 Jun Yan PhD (Geography), SUNY College at Buffalo, 2004

## Associate Professor

Leslie A. North PhD (Geography and Environmental Science and Policy), University of South Florida, 2011

## Assistant Professor

Zachary J. Suriano PhD (Climatology), University of Delaware, 2018

## Instructor II

Patricia N. Kambesis PhD (Earth and Atmospheric Sciences), Mississippi State University, 2014

## Geoscience, Master of Science (072)

### Program Coordinator

Jason Polk, jason.polk@wku.edu, (270) 745-5015

The M.S. Geoscience program in the Department of Earth, Environmental & Atmospheric Sciences at WKU is interdisciplinary in nature, bringing together research perspectives from across the human-physical spectrum. The Department's internationally recognized graduate faculty conduct research on a variety of human-environment interactions. The graduate program in Geosciences provides advanced professional training for careers as hydrologists, environmental resource managers, city and regional planners, engineering geologists, geophysical and geochemical geologists, meteorologists and climatologists, earth science teachers, Geographic Information Systems (GIS) specialists, consultants in business and industry, and professional educators. The program also provides a scientific foundation for graduate students who plan to continue advanced studies leading to the Ph.D.

Graduate Assistants and Graduate Research and/or Teaching Fellows work with designated faculty on research projects, teach introductory courses, and provide mentoring support for undergraduates. We aim to make your experience in the M.S. Geoscience program educational, rewarding, inspiring, fun, and productive. The department offers a wide range of supporting funding, equipment, and facilities, including resources at the Kentucky Climate Center, Disaster Science Operations Center, Kentucky Mesonet, Center for Human GeoEnvironmental Studies, Crawford Hydrology Laboratory, Reynolds Geological Sciences

Laboratory, StrataMax Laboratory, and Landscape Geodynamics Laboratory to facilitate student training and applied experiences.

## Joint Undergraduate Master's Program (JUMP)

This degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

## Program Admission

- A resume or CV
- Focused 1-2 page description of research interests, including potential research topics with an identified theme, defined problem, and/or potential questions that demonstrate knowledge of a field of interest within the Geosciences and how these intersect with current faculty expertise within the Department
- Written evidence of an agreement from a graduate faculty member in the Department of Earth, Environmental, and Atmospheric Sciences willing to supervise the proposed research project
- Three letters of recommendation from academic or professional references
- The following is recommended, but not required:
  - An additional writing sample (e.g., a paper, manuscript, thesis, etc.)
  - Scores from the Graduate Record Examination (GRE)<sup>1</sup>

<sup>1</sup> Admitted students who have provided GRE scores in prior years typically scored 4.0 or higher on the analytical writing subtest. However, each applicant will be evaluated individually and on a holistic basis; inclusion of the GRE with a strong analytical writing score may be beneficial for students looking to offset weaknesses in their application.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30 hours)

Code	Title	Hours
<b>Required Courses</b>		
GEOS 500	Geoscience Research and Literacy	3
GEOS 502	Geoscience Research Methods	3
GEOS 520	Geoscience Statistical Methods	3
GEOS 599	Thesis Writing and Research	6
<b>Electives</b>		
Select 15 hours from GEOS, GEOL, GEOG graduate courses appropriate to support the thesis research project and approved by the thesis director. <sup>1</sup>		15
<b>Total Hours</b>		<b>30</b>

<sup>1</sup> A maximum of six hours of advisor approved electives that are consistent with the student's research focus may be selected from other departments.

## Department of Mathematics

Kanita Ducloux, Chair  
College High Hall 4124  
(270) 745-3651  
math@wku.edu

The Department of Mathematics offers the M.S. degree and the M.A. degree. Both degrees have the thesis and non-thesis options, and both require 30 hours of graduate-level courses.

The M.S. has three concentrations available. The M.S. (general mathematics) provides knowledge in such traditional areas as analysis, algebra, topology, and applied mathematics, and is recommended for students who wish to obtain a Ph. D. degree, to teach in a community college, or to seek employment in industry with an emphasis on conceptual foundations. The M.S. (computational mathematics) is designed for students seeking employment in industry with an emphasis on computational mathematics and/or computer science in addition to knowledge in traditional areas. The M.S. (mathematical economics) is for students that have completed WKU's mathematical economics major or want to work as a mathematical economist in industry, and want to complete their thesis under the direction of a math faculty member.

The M.A. degree is designed for students interested in careers in secondary education and will help students become more knowledgeable about the mathematics they will teach in high school and make connections and extensions of that knowledge to college and higher mathematics.

## Programs

- Mathematics, Master of Arts (049) (p. 135)
- Mathematics, Master of Science (085) (p. 136)

## Faculty

### Professor

Ferhan Atici PhD (Mathematics and Statistics), University of Nebraska-Lincoln, 1995  
Melanie A. Autin PhD (Statistics), University of South Carolina - Columbia, 2007  
Tilak Bhattacharya PhD (Mathematics), Purdue University Main Campus, 1988  
Molly Dunkum PhD (Mathematics), University of Kentucky, 2005  
Mikhail Khennner PhD (Physico-Mathematical Sciences), Perm State University-Russia, 1999  
Dominic A. Lanphier PhD (Mathematics), University of Minnesota-Twin Cities, 2000  
Hope L. Marchionda PhD (Curriculum and Instruction), Clemson University, 2006  
Ngoc B. Nguyen PhD (Mathematics), Bowling Green State University, 2010  
Thanh L. Nguyen PhD (Mathematics), Ohio University Main Campus, 2002  
Thomas A. Richmond PhD (Mathematics), Washington State University, 1986  
Mark P. Robinson PhD (Mathematics), University of Kentucky, 1991

### Associate Professor

Daniel L. Clark PhD (Mathematics Education), Michigan State University, 2016  
Kanita K. DuCloux PhD (Mathematics Education), University of Georgia, 2009

Nicholas C. Fortune PhD (Mathematics Education), North Carolina State University, 2018

Samangi Munasinghe PhD (Mathematics), Texas A & M University, 2006

Ahmet O. Ozer PhD (Applied Mathematics), Iowa State University, 2011

Attila Por PhD (Mathematics), Eotvos Lorand University-Hungary, 2003

Richard C. Schugart PhD (Applied Mathematics), North Carolina State University, 2005

Lukun Zheng PhD (Applied Mathematics), University North Carolina Charlotte, 2015

### Assistant Professor

Zachary S. Bettersworth PhD (Mathematics Education), Arizona State University-ALL, 2023

## Mathematics, Master of Arts (049)

### Program Coordinator

Nicholas C. Fortune, nicholas.fortune@wku.edu, (270) 745-6231

This online program is intended for students who are secondary teachers who already hold teacher certification and are seeking rank change through earning a Master's degree. In addition, completion of this degree program would qualify the classroom teacher to teach dual credit mathematics courses at the high school level, teach at a community college or technical school, or pursue a PhD/EdD in mathematics education. This degree does not provide initial teacher certification or prepare a student for a PhD in mathematics.

## Program Admission

To be admitted to the M.A. program, students must meet the following criteria:

1. Satisfy one of the following conditions:
  - a. have a GPA of at least 3.0 in their undergraduate major, or
  - b. have a GRE general score of at least 300.
2. A bachelor's degree in mathematics, OR the completion of the following undergraduate courses, with at most one deficiency:
  - a. calculus sequence through multivariable calculus
  - b. linear algebra
  - c. discrete mathematics
  - d. probability or calculus-based statistics
  - e. abstract algebra
  - f. geometry

Applicants must also have or be eligible for a teaching certificate for Secondary Mathematics (grades 8-12). A copy of the certificate or statement of eligibility must be submitted with the application.

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30 hours)

This program is designed to develop mathematics teachers who can positively impact student learning in their classrooms and schools. Courses and experiences include a study of advanced mathematics. The capstone for the MA in Mathematics is a research project that focuses on the teaching and learning of mathematics, from an advanced perspective.

Comprehensive exams in mathematics are required. A student who chooses to do a thesis is required to complete 6 hours of MATH 599 and to give an oral defense of the thesis.

Code	Title	Hours
<b>Required Courses</b>		
MATH 501	Introduction to Probability and Statistics I	3
MATH 503	Introduction to Analysis	3
MATH 511	Algebra from an Advanced Perspective	3
MATH 512	Geometry from an Advanced Perspective	3
MATH 515	Introduction to Number Theory	3
MATH 585	Advanced Mathematical Thinking I	3
MATH 595	Advanced Mathematical Thinking II	3
<b>Electives</b>		
Select 9 hours of the following:		9
MATH 405G	Numerical Analysis I	
MATH 406G	Numerical Analysis II	
MATH 409G	History of Mathematics	
MATH 415G	Algebra and Number Theory	
MATH 417G	Algebraic Systems	
MATH 431G	Intermediate Analysis I	
MATH 435G	Partial Differential Equations	
MATH 439G	Topology I	
MATH 450G	Complex Variables	
MATH 470G	Introduction to Operations Research	
MATH 500	Readings in Mathematics	
MATH 504	Application of Technology to Problems in Mathematics	
MATH 510	Intermediate Statistics	
MATH 514	Mathematical Modeling and Applications	
MATH 517	Topics from Algebra	
MATH 529	Applied Probability	
MATH 531	Advanced Differential Equations	
MATH 532	Real Analysis	
MATH 535	Advanced Applied Mathematics- I	
MATH 536	Advanced Applied Mathematics- II	
MATH 539	Topology II	
MATH 540	Stochastic Processes	
MATH 541	Graph Theory	
MATH 542	Advanced Topics in Discrete Mathematics	
MATH 550	Complex Analysis	
MATH 570	Topics in Operations Research	
MATH 590	Special Topics in Mathematics	
MATH 599	Thesis/Research	
STAT 549	Statistical Methods I	
STAT 550	Statistical Methods II	
<b>Total Hours</b>		<b>30</b>



## Secondary Education Completion Requirements

1. Successfully complete all courses with a grade of C or higher
2. Give acceptable presentation of action research in approved venue.
3. Achieve a minimum 3.0 GPA overall in all course work.
4. Successful completion of comprehensive exams.

# Mathematics, Master of Science (085)

## Program Coordinator

Mikhail Khenner, mikhail.khenner@wku.edu, (270) 745-2797

The M.S. in Mathematics offers three concentrations: general mathematics, computational mathematics, and mathematical economics, but has a core set of courses in applied mathematics, discrete mathematics, and statistics required for all students. The general mathematics concentration is recommended for students who wish to obtain a Ph.D. degree, to teach in a community college, or to seek employment in industry with an emphasis on conceptual foundations. The computational mathematics concentration is designed for students seeking employment in industry with an emphasis on computational mathematics and/or computer science in addition to knowledge in traditional areas. The mathematical economics concentration is designed for students seeking employment in industry with an emphasis on economics in addition to knowledge in traditional areas. It is also designed for students who completed an undergraduate degree program in mathematical economics at WKU.

## Concentration(s)

- General Mathematics (MAGN)
- Computational Mathematics (MACM)
- Mathematical Economics (MAME)

## Joint Undergraduate Master's Program (JUMP)

This degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

## Program Admission

### General Mathematics Concentration

1. One of the following:
  - a. A minimum GAP score of 575 [GAP = (GRE-V + GRE-Q) + (Undergraduate GPA x 100)];
  - b. A 2.75 cumulative GPA.
2. Completion of the following undergraduate courses:
  - a. a calculus sequence through multivariable calculus;
  - b. linear algebra;
  - c. discrete mathematics;
  - d. an applied mathematics course (e.g. differential equations, probability, calculus-based statistics, numerical analysis);
  - e. abstract algebra, analysis, advanced calculus, or topology.
3. A cumulative grade point average of 3.0 (on a 4.0 scale) in at least one of the following:

- a. all mathematics and statistics courses that are applicable to the undergraduate mathematics major;
- b. courses specified in (b) through (e) of Item 2 above.

## Computational Mathematics Concentration

1. One of the following:
  - a. A minimum GAP score of 575 [GAP = (GRE-V + GRE-Q) + (Undergraduate GPA x 100)];
  - b. A 2.75 cumulative GPA.
2. Completion of the following undergraduate courses:
  - a. two-semester single-variable calculus sequence;
  - b. linear algebra;
  - c. discrete mathematics;
  - d. one-year sequence of programming courses;
  - e. B.A. degree with a major in either Computer Science, Engineering, Mathematics or Physics.
3. A cumulative grade point average of at least 3.0 (on a 4.0 scale) in at least one of the following:
  - a. all mathematics and computer science courses that are listed in (a) through (d) of Item 2 above; or
  - b. all courses in the major listed in (e) of Item 2 above. Students cannot enter the program if they have a deficiency in the courses listed in Item 2 above.

## Mathematical Economics Concentration

1. One of the following:
  - a. A minimum GAP score of 600 [GAP = (GRE-V+GRE-Q) + (Undergraduate GPA x 100)];
  - b. A 3.0 cumulative GPA.
2. An undergraduate degree majoring in economics, mathematics, mathematical economics, or other related majors with completion of the following undergraduate courses:
  - a. a calculus sequence through multivariable calculus
  - b. discrete mathematics
  - c. principles of microeconomics and macroeconomics
  - d. one semester of junior- or senior-level probability theory
  - e. differential equations

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (33 hours)

### General Mathematics Concentration

Code	Title	Hours
<b>Required Courses</b>		
MATH 431G	Intermediate Analysis I <sup>1</sup>	3
MATH 531	Advanced Differential Equations <sup>1</sup>	3
	or MATH 535	Advanced Applied Mathematics- I
MATH 541	Graph Theory <sup>1</sup>	3
	or MATH 542	Advanced Topics in Discrete Mathematics
STAT 549	Statistical Methods I <sup>1</sup>	3
MATH 598	Graduate Seminar: Communicating Mathematics and Technical Writing	3
MATH 599	Thesis/Research	6
<b>Electives</b>		

Select 3 hours from the following: 3

MATH 500	Readings in Mathematics
MATH 517	Topics from Algebra
MATH 529	Applied Probability
MATH 531	Advanced Differential Equations
MATH 532	Real Analysis
MATH 535	Advanced Applied Mathematics- I
MATH 536	Advanced Applied Mathematics- II
MATH 539	Topology II
MATH 540	Stochastic Processes
MATH 541	Graph Theory
MATH 542	Advanced Topics in Discrete Mathematics
MATH 550	Complex Analysis
MATH 570	Topics in Operations Research
MATH 590	Special Topics in Mathematics
STAT 550	Statistical Methods II

Select 9 additional hours from the following: 9

MATH 405G	Numerical Analysis I
MATH 406G	Numerical Analysis II
MATH 415G	Algebra and Number Theory
MATH 417G	Algebraic Systems
MATH 435G	Partial Differential Equations
MATH 439G	Topology I
MATH 450G	Complex Variables
MATH 470G	Introduction to Operations Research
MATH 500	Readings in Mathematics
MATH 517	Topics from Algebra
MATH 529	Applied Probability
MATH 531	Advanced Differential Equations
MATH 532	Real Analysis
MATH 535	Advanced Applied Mathematics- I
MATH 536	Advanced Applied Mathematics- II
MATH 539	Topology II
MATH 540	Stochastic Processes
MATH 541	Graph Theory
MATH 542	Advanced Topics in Discrete Mathematics
MATH 550	Complex Analysis
MATH 570	Topics in Operations Research
MATH 590	Special Topics in Mathematics <sup>2</sup>
STAT 550	Statistical Methods II

**Total Hours** 33

### Computational Mathematics Concentration

Students in the computational mathematics concentration must have a working knowledge of a high-level programming language.

Code	Title	Hours
<b>Required Courses</b>		
MATH 405G	Numerical Analysis I <sup>1</sup>	3
MATH 406G	Numerical Analysis II <sup>1</sup>	3

MATH 531	Advanced Differential Equations <sup>1</sup>	3
or MATH 535	Advanced Applied Mathematics- I	
MATH 541	Graph Theory <sup>1</sup>	3
or MATH 542	Advanced Topics in Discrete Mathematics	
STAT 549	Statistical Methods I <sup>1</sup>	3
MATH 598	Graduate Seminar: Communicating Mathematics and Technical Writing	3
MATH 599	Thesis/Research	6

**Electives**Select 6 hours from the following:<sup>1</sup> 6

CS 549	Analysis of Algorithms
CS 555	Data Science
CS 562	Parallel and Distributed Computing
CS 565	Data Mining Techniques and Tools

Select 3 additional hours from the following:<sup>1</sup> 3

MATH 431G	Intermediate Analysis I
MATH 435G	Partial Differential Equations
MATH 470G	Introduction to Operations Research
MATH 531	Advanced Differential Equations
MATH 535	Advanced Applied Mathematics- I
MATH 536	Advanced Applied Mathematics- II
MATH 540	Stochastic Processes
MATH 541	Graph Theory
MATH 542	Advanced Topics in Discrete Mathematics
MATH 570	Topics in Operations Research
MATH 590	Special Topics in Mathematics <sup>2</sup>
STAT 550	Statistical Methods II

**Total Hours** 33

### Mathematical Economics Concentration

Code	Title	Hours
<b>Required Courses</b>		
MATH 431G	Intermediate Analysis I <sup>1</sup>	3
or MATH 482G	Probability & Statistics II	
MATH 531	Advanced Differential Equations <sup>1</sup>	3
or MATH 535	Advanced Applied Mathematics- I	
MATH 541	Graph Theory <sup>1</sup>	3
or MATH 542	Advanced Topics in Discrete Mathematics	
STAT 549	Statistical Methods I <sup>1</sup>	3
ECON 465G	Regression and Econometric Analysis <sup>1</sup>	3
ECON 502	Applied Micro Economic Theory <sup>1</sup>	3
MATH 598	Graduate Seminar: Communicating Mathematics and Technical Writing	3
MATH 599	Thesis/Research	6

**Electives**Select 6 hours from the following:<sup>1</sup> 6

MATH 405G	Numerical Analysis I
MATH 406G	Numerical Analysis II
MATH 431G	Intermediate Analysis I
MATH 435G	Partial Differential Equations

MATH 470G	Introduction to Operations Research
MATH 482G	Probability & Statistics II
MATH 529	Applied Probability
MATH 531	Advanced Differential Equations
MATH 532	Real Analysis
MATH 535	Advanced Applied Mathematics- I
MATH 536	Advanced Applied Mathematics- II
MATH 540	Stochastic Processes
MATH 541	Graph Theory
MATH 542	Advanced Topics in Discrete Mathematics
MATH 570	Topics in Operations Research
MATH 590	Special Topics in Mathematics <sup>2</sup>
STAT 550	Statistical Methods II
<b>Total Hours</b>	<b>33</b>

<sup>1</sup> If classes with similar course content were taken at the undergraduate level, then the student must substitute appropriate graduate courses selected in consultation with a Mathematics Department graduate advisor.

<sup>2</sup> With advisor approval.

#### Joint Undergraduate Master's Program (JUMP) in Mathematics

The Department of Mathematics offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate Bachelor of Arts degree and a graduate Master of Science degree in an accelerated timeframe. The MS in Mathematics prepares students to be competitive applicants for admission into a Ph.D. program and/or for positions where strong research skills are needed. Contact the graduate program coordinator for additional information, see <https://catalog.wku.edu/graduate/science-engineering/mathematics/mathematics-ms/>

This JUMP program allows students to start working toward their MS in Mathematics with a concentration in General Mathematics, Computational Mathematics, or Mathematical Economics (Ref: 085) while completing their Bachelor of Arts degree in Mathematics (Ref: 528 and 728) or a Bachelor of Science degree in Mathematical Economics (Ref: 731). 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 toward both degrees, and up to 15 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 an accelerated timeframe. For more information, see <https://www.wku.edu/math/>.

To be considered for admission to the JUMP program to earn a BA in Mathematics (or a BS in Mathematical Economics) and a MS in Mathematics in an accelerated timeframe, a student must meet the following requirements:

Be a Mathematics or a Mathematical Economics major (includes programs with reference numbers 528, 728, and 731);

Have completed at least 60 hours total, with at least 24 hours earned at WKU;

Have at least 15 or more credit hours remaining to complete the bachelor's degree;

Have completed or be enrolled in 15 credit hours in Mathematics;

Have a minimum cumulative undergraduate GPA of 3.25;

Have one of the following:

3.25 GPA in the Mathematics or Mathematical Economics major AND a grade of B or higher in at least one of the courses: MATH 307, MATH 310, MATH 317, MATH 337, MATH 439;

3.0 GPA in the Mathematics or Mathematical Economics major AND a grade of B or higher in at least two of the courses: MATH 307, MATH 310, MATH 317, MATH 337, MATH 439.

## Department of Physics and Astronomy

Michael Carini, Department Chair  
Kelly Thompson Hall 3007  
(270) 745-4357

### Programs

- Homeland Security Sciences, Master of Science (0413) (p. 138)

### 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  
Douglas L. Harper PhD (Physics), Vanderbilt University, 1991

### Associate Professor

Ali Er PhD (Physics), Old Dominion University, 2011  
Ivan S. Novikov PhD (Mathematics, Physics), St. Petersburg State U-Russia, 2000

### Assistant Professor

Jasminka Terzic PhD (Physics), University of Kentucky, 2016

## Homeland Security Sciences, Master of Science (0413)

### Program Coordinator

Ivan S. Novikov, [ivan.novikov@wku.edu](mailto:ivan.novikov@wku.edu), (270) 745-6197

This multidisciplinary program prepares science and technology professionals for careers in the Homeland Security area. The program features hands-on research components to enable students to apply their training to real-world problems.

CBRNE Concentration involves study of physical threats and applications of physics and chemistry to detect, quantify, prevent and decontaminate radiological, nuclear, biological, explosive and chemical threats.

The Cybersecurity Concentration provides real-world focused, hands-on cybersecurity training that covers in-demand skills such as cybersecurity fundamentals, Linux essentials, ethical hacking and penetration testing,

network defense and countermeasures, computer forensics, and cybersecurity policy.

The EMDS concentration involves awareness and management of emergency preparation and response to natural and technological hazards, and terrorism.

- CBRNE Defense (CBRN)
- Cybersecurity (CYBE)
- Emergency Management Disaster Science (EMDS)

## Program Admission

For the CBRNE and EMDS Concentrations, in addition to Graduate Studies requirements, admission to the program requires a Bachelor's degree in related STEM-H field or approval of the program administrator.

For the Cybersecurity Concentration, in addition to Graduate Studies requirements, admission to the program requires a Bachelor's degree in an information-technology related area or the student must score at the satisfactory level on an information technology general aptitude assessment or complete CIT 310 and CIT 312 with a C-grade or better or equivalent.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30 hours)

### CBRNE Defense Concentration

Code	Title	Hours
PHYS 560	Introduction to Physics Applications in Homeland Security	3
CIT 550	Interdisciplinary Cybersecurity	3
EMDS 500	Emergency Management Policy and Practices	3
CHEM 560	Chemical Agents and Explosives	3
PHYS 599	Thesis Research / Writing	6
<b>Electives</b> <sup>1</sup>		
Select 12 hours from the following:		12
PHYS 565	Optical Detection Methods of Biological and Chemical Agents	
PHYS 570 & PHYS 571	Nuclear / Radiological Detection and Remediation and Nuclear / Radiological Detection and Remediation Laboratory	
PHYS 590 & PHYS 591	Physical Principles of CBE Detection and Remediation and Physics CBE Detection and Remediation Laboratory	
PHYS 598	Graduate Seminar	
PH 584	Principles of Environmental Health	
EOHS 571	Air Quality Management	
EOHS 572	Environmental and Occupational Epidemiology	
EOHS 577	Environmental Toxicology	
EOHS 580	Solid and Hazardous Wastes	

EOHS 595	Public Health Management of Disasters	
GEOS 575	GIS Analysis and Modeling	
<b>Total Hours</b>		<b>30</b>

### Cybersecurity Concentration

Code	Title	Hours
PHYS 560	Introduction to Physics Applications in Homeland Security	3
CIT 550	Interdisciplinary Cybersecurity	3
EMDS 500	Emergency Management Policy and Practices	3
CHEM 560	Chemical Agents and Explosives	3
CIT 552	Cybersecurity Fundamentals	3
CIT 554	Operating Systems for Cybersecurity	3
CIT 556	Ethical Hacking and Penetration Testing	3
CIT 558	Cybersecurity Defense & Countermeasures	3
CIT 560	Incident Response & Digital Forensics	3
CIT 562	Cybersecurity Programs and Policies	3
<b>Total Hours</b>		<b>30</b>

### Emergency Management Disaster Science (EMDS) Concentration

Code	Title	Hours
PHYS 560	Introduction to Physics Applications in Homeland Security	3
CIT 550	Interdisciplinary Cybersecurity	3
EMDS 500	Emergency Management Policy and Practices	3
CHEM 560	Chemical Agents and Explosives	3
EMDS 501	Understanding Natural and Technological Disaster Risks	3
EMDS 502	Terrorism, Violence, Resiliency, and Response	3
EMDS 503	Advanced Disaster Planning, Management, and Preparedness	3
<b>Electives</b> <sup>1</sup>		
Select 9 hours from the following:		9
EMDS 504	Trends in Disaster Preparedness and Management	
EMDS 505	Continuity of Operations Programs	
EMDS 506	Critical Infrastructure Assessment and Protection	
EMDS 510	Incident Meteorology for Safety Professionals	
RSA 515	Recreation and Sport Facility Development	
RSA 538	Facility and Event Security Management	

PH 581

Applied Methods in Public Health  
Practice/Field Epidemiology

Total Hours

30

<sup>1</sup> Electives determined by the student's specialized area of study and subject to approval by the student's departmental advisor.

## Department of Psychological Sciences

Matthew Shake, Department Chair  
Kelly Thompson Hall 1039  
(270) 745-3918  
psychsciences@wku.edu

### Programs

- Psychology, Master of Science (0469) (p. 140)

### Faculty Professor

Gordon C. Baylis PhD (Neuroscience), University of Oxford, 1985  
Amy M. Brausch PhD (Psychology), Northern Illinois University, 2008  
Reagan D. Brown PhD (Psychology), Virginia Tech, 1997  
Diane M. Lickenbrock PhD (Psychology), University of Notre Dame, 2010  
Kelly L. Madole PhD (Psychology), University of Texas at Austin, 1992  
Andrew S. Mienaltowski PhD (Psychology), Georgia Institute of Tech, 2008  
Matthew C. Shake PhD (Educational Psychology), University of Illinois at Urbana-Champaign, 2009

#### Associate Professor

Katrina A. Burch PhD (Industrial/Organizational Psychology), University of Connecticut, 2018  
Lance W. Hahn PhD (Psychology), University of Texas at Austin, 1994  
Jenni B. Teeters PhD (Psychology), University of Memphis, 2017  
Aaron L. Wichman PhD (Psychology), The Ohio State University Main Campus, 2005  
Matthew J. Woodward PhD (Psychology), University of Memphis, 2017

#### Assistant Professor

Patrick S. Ledwidge PhD (Psychology), University of Nebraska-Lincoln, 2017

## Psychology, Master of Science (0469)

#### Program Coordinator

Matthew C. Shake, matthew.shake@wku.edu, (270) 745-2440

This program prepares students to pursue careers in business, research, or government settings, and/or to enter a doctoral program.

#### Concentration(s)

- Industrial/Organization (MSIO)
- Psychological Science (MAPS)

#### Joint Undergraduate Master's Program (JUMP)

This degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the

opportunity to complete both an undergraduate and graduate degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

## Program Admission

In addition to Graduate Studies admission requirements, the Department of Psychological Sciences requires

- The Psychological Sciences Departmental Application <sup>1</sup>
- A 500-word personal statement describing professional interests and career goals
- Three letters of recommendation
- For the Psychological Sciences concentration only, applicants must identify two to three research mentors with whom they wish to work.

The following are recommended but not required for admission:

- Completion of a statistics and research methodology course
- A background in psychology
- A minimum GPA of 3.0 in psychology courses
- An additional writing sample (e.g., a paper, manuscript, thesis, etc.)
- Scores from the Graduate Record Examination (GRE) <sup>2</sup>

All application materials should be received by March 1st for priority consideration. An interview may be required.

<sup>1</sup> Departmental application can be found at <https://www.wku.edu/psychological-sciences/grad/admission.php>

<sup>2</sup> Admitted students who have provided GRE scores in prior years have had a median total score of 303 on the verbal and quantitative subtests, and a 4.0 on the analytical writing subtest. However, each applicant will be evaluated individually and on a holistic basis. Strong GRE scores may be beneficial for students looking to offset weaknesses in their application (e.g., low GPA).

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (37-42 hours)

The program comprises 27 - 28 hours of core courses plus specific program content that varies by concentration. A thesis based on original research conducted under the direction of a department graduate faculty member is required. A comprehensive examination is required at the time of thesis defense. A research tool is required in both concentrations.

### Industrial-Organizational Psychology Concentration (42 hours)

This concentration focuses on behavior in business, industry, consulting, and government organizations. Students develop proficiencies in the construction and validation of personnel selection systems, job analysis, employee compensation, criterion development, leadership, motivation theory, equal employment opportunity law, and training in business and industry. A thesis is required. Grades lower than B may not be used to satisfy requirements for courses in the industrial/organizational training sequence (PSYS 570, PSYS 571, PSYS 572, PSYS 670, and PSYS 673).

Code	Title	Hours
<b>Required Courses</b>		
PSYS 510	Advanced Research Methods in Psychology	3
PSYS 512	Analysis of Variance	3
PSYS 513	Correlation and Regression Analysis	3
PSYS 518	Statistics and Psychometric Theory	3
PSYS 552 or PSYS 590	Advanced Social Psychology Readings of Research Psychology	3
PSYS 570	Job Analysis and Compensation	3
PSYS 571	Personnel Psychology	3
PSYS 572	Organizational Psychology	3
PSYS 579	Internship in Industrial-Organizational Psychology <sup>1</sup>	3
PSYS 581	Professional and Ethical Issues in Psychological Sciences	3
PSYS 599	Thesis Research/Writing	6
PSYS 670	Equal Employment Opportunity, the Law, and Ethical Considerations	3
PSYS 673	Advanced Training in Business and Industry	3
<b>Total Hours</b>		<b>42</b>

<sup>1</sup> A three month internship in personnel psychology is encouraged (3 hours); 3 hours may be substituted for the internship if not internship placement can be obtained.

### Psychological Science Concentration (37 Hours)

This concentration uses a research mentorship approach to prepare students to be competitive applicants for admission into a Ph.D. program and/or for positions where strong research and methodological skills are needed. In addition to 28 hours of required coursework, students must choose 9 hours of elective credits that best fit their focus area interests (under the guidance and mentorship of their advisor). A thesis is required. Applicants should refer to faculty research interests identified on the program web site and must apply specifically to work with one or more faculty members in whose research they have a particular interest. Grades lower than B may not be used to satisfy course requirements in the Research Methods and Statistics Core PSYS 510, PSYS 512, PSYS 513, PSYS 518, PSYS 581, and PSYS 595. Only one "G" course may be counted toward the degree.

Code	Title	Hours
<b>Required Courses</b>		
PSYS 510	Advanced Research Methods in Psychology	3
Choose 2 from the following:		6
PSYS 512	Analysis of Variance	
PSYS 513	Correlation and Regression Analysis	
PSYS 518	Statistics and Psychometric Theory	
Choose 2 from the following:		6
PSYS 521	Advanced Child Developmental Psychology	
PSYS 533	Advanced Topics in Cognition	
PSYS 552	Advanced Social Psychology	
PSYS 567	Advanced Physiological Psychology	

PSYS 581	Professional and Ethical Issues in Psychological Sciences	3
PSYS 595	Practicum in Psychological Sciences	4
PSYS 599	Thesis Research/Writing	6
Focus Area Electives (see below)		9
<b>Total Hours</b>		<b>37</b>

Code	Title	Hours
<b>Focus Area Electives</b>		
Complete 9 credits from the following**:		
PSYS 423G	Psychology of Adult Life and Aging	3
PSYS 431G	Psychology of Language	3
PSYS 465G	Psychopharmacology	3
PSYS 512	Analysis of Variance	3
PSYS 513	Correlation and Regression Analysis	3
PSYS 518	Statistics and Psychometric Theory	3
PSYS 520	Individual Differences and Human Diversity	3
PSYS 521	Advanced Child Developmental Psychology	3
PSYS 530	Conditioning and Learning	3
PSYS 533	Advanced Topics in Cognition	3
PSYS 552	Advanced Social Psychology	3
PSYS 565	Cognitive Neuroscience	3
PSYS 567	Advanced Physiological Psychology	3
PSYS 590	Readings of Research Psychology	1-3
PSYS 640	Psychopathology	3
PSYS 641	Theories of Psychotherapy	3

\*\* Only one "G" course may be counted toward the degree

### Joint Undergraduate Master's Program (JUMP)

The Department of Psychological Sciences offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

This JUMP program allows students to start working toward their MS in Psychology with a concentration in Psychological Science (Ref: 0469) while completing their bachelor's of science degree in Psychological Science (Ref: 747 and 747E). 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 toward both degrees, and up to 15 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 an accelerated timeframe. For more information, see <https://www.wku.edu/psychological-sciences/>.

To be considered for admission to the JUMP program to earn a BS in Psychological Science and a MS in Psychology in an accelerated timeframe a, a student must meet the following requirements:

- Be a Psychological Science major (includes programs with reference numbers 747 and 747E)

- Have completed at least 60 hours total, with at least 24 hours earned at WKU;
- Have at least 15 or more credit hours remaining to complete the bachelor's degree;
- Have a minimum 3.25 overall GPA and 3.25 GPA in the Psychological Science major;
- Have completed or be enrolled in 16 credit hours in Psychological Science, including PSYS 100 (or PSYS 160), and PSYS 210, and PSYS 211, and PSYS 313 or the equivalent of these classes;
- Have completed at least one semester long research experience with a faculty member in the Department of Psychological Sciences.

Admissions are competitive and dependent upon graduate program capacity. The MS in Psychology with a concentration in Psychological Science uses a research mentorship approach to prepare students to be competitive applicants for admission into a Ph.D. program and/or for positions where strong research and methodological skills are needed.

## OCSE Interdisciplinary Programs

- Emergency Management Disaster Science, Certificate (1749) (p. 142)
- Scientific Data Analytics, Certificate (0496) (p. 142)

## Emergency Management Disaster Science, Certificate (1749)

### Program Coordinator

Joshua D. Durkee, joshua.durkee@wku.edu, (270) 745-8777

The certificate program in Emergency Management Disaster Science is designed to provide students with a strong technical knowledge base of the essential concepts of Incident Management. The program is designed as either a standalone certificate or for interdisciplinary incorporation into existing Masters, and Doctorate programs in Science and Engineering, Education, Leadership, and other disciplines.

Program Admission

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (12 hours)

All students must complete the core courses or equivalent transfer coursework approved by program advisor. Students who are pursuing the "stand alone" certificate, must complete the require elective graduate seminar for a total of 12 hours.

Code	Title	Hours
<b>Required Courses</b>		
EMDS 500	Emergency Management Policy and Practices	3
EMDS 501	Understanding Natural and Technological Disaster Risks <sup>1,2</sup>	3
or EOHS 595	Public Health Management of Disasters	
EMDS 502	Terrorism, Violence, Resiliency, and Response	3

EMDS 503	Advanced Disaster Planning, Management, and Preparedness <sup>1,2</sup>	3
or EOHS 580	Solid and Hazardous Wastes	
<b>Total Hours</b>		<b>12</b>

<sup>1</sup> Students from other disciplines, may substitute up to six graduate credit hours from within their discipline, with the approval of the program coordinator, in lieu of EMDS 501 and/or EMDS 503.

<sup>2</sup> EMDS 504 may be substituted for either EMDS 501 or EMDS 503.

## Scientific Data Analytics, Certificate (0496)

### Program Coordinator

Zhonghang Xia, zhonghang.xia@wku.edu, (270) 745-6459

Technological advances have produced increasingly large datasets across a diverse range of scientific domains including biology, psychological science, and geography. As a result, students in scientific disciplines need focused coursework in data analytics. This certificate will serve that need and document that students have acquired this expertise.

Program Admission

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (12 hours)

Code	Title	Hours
<b>Required Courses</b>		
CS 555	Data Science	3
STAT 549	Statistical Methods I <sup>1</sup>	3
Select 6 hours from the following discipline specific courses with large datasets <sup>2</sup>		6
AGRI 491G	Data Analysis and Interpretation	
AGRI 590	Experimental Design	
BIOL 582	Biometry	
BIOL 599	Thesis Research/Writing	
CS 443G	Database Management Systems	
CS 543	Advanced Database Systems	
CS 565	Data Mining Techniques and Tools	
GEOS 520	Geoscience Statistical Methods	
GEOS 523	Geoprocessing & GIS Applications	
GEOS 575	GIS Analysis and Modeling	
GEOS 576	GIS Programming	
GEOS 577	Special Topics in Geographic Information Systems	
GEOS 515	Remote Sensing Applications	
GEOS 517	Spatial Databases	
GEOS 590	Experimental Design and Data Analysis	
GEOS 595	Geoscience Practicum	

GEOS 599	Thesis Writing and Research
PHYS 475G	Topics/Physics
PHYS 599	Thesis Research / Writing
PHYS 675	Advanced Topics in Physics
PSYS 512	Analysis of Variance
PSYS 513	Correlation and Regression Analysis
PSYS 518	Statistics and Psychometric Theory
PSYS 590	Readings of Research Psychology
PSYS 599	Thesis Research/Writing
STAT 550	Statistical Methods II

**Total Hours** **12**

<sup>1</sup> Or graduate statistics course from the discipline specific course list below.

<sup>2</sup> Required courses cannot satisfy this requirement. At least two additional courses; thesis or topic courses must involve large datasets.

## School of Engineering and Applied Sciences

Mark Cambron, Interim Co-Director  
Guangming Xing, Interim Co-Director  
COHH 2114  
270-745-3251  
seas@wku.edu

The focus of the new WKU School of Engineering and Applied Sciences (SEAS) is to educate students to be leaders in a changing technical landscape, to provide solutions to the problems facing the modern high tech society, and to provide a workforce to support the technological complexity of industry.

In order to provide students with the necessary skills, the programs in the School of Engineering and Applied Sciences are project-based which means that students have opportunities to engage in project activities throughout the curricula to support design, development, implementation, and troubleshooting.

### Programs

- Computer Science, Master of Science (117) (p. 143)
- Engineering Management, Master of Science (0447) (p. 144)
- Lean Sigma, Certificate (0452) (p. 145)

### Faculty Professor

Shahnaz Aly MARCH (Architecture), Texas A & M University, 1999  
Gregory K. Arbuckle PhD (Technology Management (Quality Systems)), Indiana State University, 2004  
Farhad Ashrafzadeh PhD (Electrical and Computer Engineering), The University of Calgary, 1997  
Mustafa Atici PhD (Computer Science), University of Nebraska, 1996  
Mark E. Cambron PhD (Electrical Engineering), Vanderbilt University, 2001  
Warren Campbell PhD (Civil Engineering), Colorado State University, 1984  
Anthony M. Doggett PhD (Education and Human Resource Studies), Colorado State University, 2003  
Hanna A. Khouryieh PhD (Food Science), Kansas State University, 2006  
Qi Li PhD (Computer Science), University of Delaware, 2006

Osama E. Mansour PhD (Environmental Design), The University of Calgary, 2015  
Shane M. Palmquist PhD (Civil and Environmental Engineering), Tufts University, 2003  
Huanjing Wang PhD (Computer Science), The University of Alabama, 2005  
Zhonghang Xia PhD (Computer Science), University of Texas at Dallas, 2004  
Guangming Xing PhD (Computer Science), University of Georgia, 2001

### Associate Professor

Jeffrey M. Galloway PhD (Computer Science), The University of Alabama, 2013  
Kirolos M. Haleem Mesiha PhD (Civil Engineering), University of Central Florida, 2009  
Yaser A. Mowafi PhD (Information Systems), University of Maryland Baltimore Co, 2009  
Morteza Nurcheshmeh PhD (Mechanical Engineering), University of Windsor, 2011  
Fatemeh Orooji PhD (Engineering Science, Construction Management), Louisiana State University & A&M College, 2015  
Rong Yang PhD (Computer Science and Engineering), University of Louisville, 2007

### Instructor I

Brian M. Janes MS (Management of Technology), Murray State University, 2003

### Part-Time Faculty

Stacy Wilson PhD (Engineering, Electrical Engineering), Tennessee Technological University, 1996

## Computer Science, Master of Science (117)

### Program Coordinator

Guangming Xing, guangming.xing@wku.edu, (270) 745-8848

This program is designed to provide post-graduate education for individuals seeking professional careers in computer science. Areas of emphasis are information systems, systems programming, computer networking, and algorithms.

### Concentration(s)

- Net-centric (CSNC)

### Joint Undergraduate Master's Program (JUMP)

This degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

### Program Admission

Admission requirements include a minimum 3.0/4.0 undergraduate grade point average. Applicants must have a Bachelor's degree in computer science, mathematics, engineering, and other related fields. Minimum requirements include knowledge of programming in a high-level language and data structures. Prior course work or experiences in database applications, software engineering, and operating systems are preferred. Applicants who do not meet these criteria will be evaluated on a case-by-case basis.



## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (33 hours)

A minimum of 30 semester hours of course work is required, plus the research tool. Both thesis and non-thesis options are available. A minimum of six 500-level computer science courses is required. If any of the required courses have been completed for undergraduate credit, approved electives will be substituted. The research tool, under both options, must be met by successful completion of CS 500.

Code	Title	Hours
<b>Required Courses</b>		
CS 445G	Operating Systems II	3
CS 500	Research Methods and Projects	3
CS 530	Automata Theory and Compiler Construction	3
CS 543	Advanced Database Systems	3
CS 549	Analysis of Algorithms	3
CS 560	Software Engineering and Project Management	3
<b>Electives</b>		
Computer science courses approved by advisor or Net-Centric Concentration		15
<b>Total Hours</b>		<b>33</b>

### Net-Centric Concentration

Code	Title	Hours
CS 450G	Computer Networks	3
Select 6 hours from the following:		6
CS 550	Advanced Topics in Computer Networks <sup>1</sup>	
CS 570	Security in Computing	
Select 6 hours of CS electives		6
<b>Total Hours</b>		<b>15</b>

<sup>1</sup> Up to 6 credit hours.

## Engineering Management, Master of Science (0447)

### Program Coordinator

Anthony M. Doggett, mark.doggett@wku.edu, (270) 745-6951

The Master of Science in Engineering Management (MSEM) offers students Thesis and Non-thesis concentrations.

The Thesis concentration is for students who plan to pursue additional degrees, such as Ph.D. or who have specific work-related projects that need further exploration. Students who choose the thesis concentration will conduct a research project, which will likely involve several semesters of work.

The Non-thesis concentration is designed to be more flexible and is tailored for students who do not want to conduct a research project. The

non-thesis concentration is recommended for working professionals who do not have the time and resources to conduct a research project. Students who choose the non-thesis concentration must take three credits of additional electives and required to take a capstone course.

The MSEM develops leaders to support the needs of the modern world-wide industry. The curriculum enhances both career and personal objectives. Graduates of the program are equipped to manage organization resources, lead technological change, and strategically integrate higher level knowledge within their companies.

The MSEM provides a broad-based core of management competency in business functions, along with a solid understanding of engineering technologies and capabilities. Courses build upon existing technical competency while allowing the student to customize their depth of study in specific management technologies that enhance long-term professional career goals.

All courses can be taken online.

### Concentrations

- Thesis (EMTH)
- Non-thesis (EMNT)

### Joint Undergraduate Master's Program (JUMP)

This degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

## Program Admission

In addition to the graduate school requirements, the MSEM program requires:

- Bachelor's degree in engineering, engineering technology, business, or related STEM fields<sup>1</sup>.
- Submission of GRE, GMAT or equivalent scores. A minimum GRE score of 140 for the verbal reasoning and 140 for the quantitative reasoning are required with a score of 2.5 or higher for analytical writing<sup>2</sup>.

Applicants who don't meet the admission criteria may be considered for conditional admission.

<sup>1</sup> Students, who do not have the required background in fundamental concepts in statistics, will be required to take the following course: MFGE 271 Industrial Statistics (course credit does not count towards degree requirement)

<sup>2</sup> Applicants who have earned a B.S. degree in engineering or related STEM fields with a cumulative GPA of 3.0 or higher are exempt from taking the GRE. Current students at WKU who seek the JUMP program in one of the undergraduate baccalaureate programs in the School of Engineering and Applied Sciences (SEAS) with a cumulative GPA of 3.0 or higher are exempt from taking the GRE.

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30-33 hours)

### Thesis Concentration (30 hours)

The thesis concentration in the MSEM program requires 30 credits (15 credits in required core courses and 9 credits in elective courses). Students who choose the thesis option are also required to enroll in six credit hours of EGMT 599. Students are required to complete an oral defense of their thesis and complete a comprehensive written exam of their coursework.

Code	Title	Hours
<b>Required Courses</b>		
EGMT 571	Research Methods in Technology Management	3
EGMT 520	Resource Management	3
EGMT 590	Operations Leadership	3
EGMT 655	Project Management	3
EGMT 671	Quality Management	3
EGMT 599	Thesis Research and Writing (6 hours)	6
<b>Electives</b>		
Complete 9 hours from the following courses:		9
EGMT 510	Emerging Technologies	
EGMT 530	Automated Data Collection Systems	
EGMT 535	Workforce Development	
EGMT 540	Theory of Constraints	
EGMT 580	Six Sigma Quality	
EGMT 588	Product Development	
EGMT 594	Lean Systems	
EGMT 630	Legal and Ethical Issues in Technology	
EGMT 650	Supply Chain Management	
<b>Total Hours</b>		<b>30</b>

### Non-thesis Concentration (33 hours)

The non-thesis concentration in the MSEM program requires 33 credits (15 credits in required core courses and 15 credits in elective courses). Students who choose the non-thesis option are also required to take three hours of EGMT 690 graduate project.

Code	Title	Hours
<b>Required Courses</b>		
EGMT 571	Research Methods in Technology Management	3
EGMT 655	Project Management	3
EGMT 671	Quality Management	3
EGMT 590	Operations Leadership	3
EGMT 520	Resource Management	3
EGMT 690	Graduate Project (Capstone)	3
<b>Electives</b>		
Complete 15 hours of the following courses:		15
EGMT 510	Emerging Technologies	
EGMT 594	Lean Systems	
EGMT 580	Six Sigma Quality	
EGMT 588	Product Development	
EGMT 650	Supply Chain Management	

EGMT 540	Theory of Constraints
EGMT 535	Workforce Development
EGMT 630	Legal and Ethical Issues in Technology
EGMT 530	Automated Data Collection Systems
<b>Total Hours</b>	<b>33</b>

## Lean Sigma, Certificate (0452)

### Program Coordinator

Anthony M. Doggett, mark.doggett@wku.edu, (270) 745-6951

This 12-hour program provides preparation for professional certification and covers concepts, principles, and skills related to Six Sigma, Lean, Theory of Constraints, and total quality management. It is applicable for students and employees seeking Black/Green Belt or Lean certification.

### Program Admission

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (12 hours)

Code	Title	Hours
<b>Required Courses</b>		
EGMT 540	Theory of Constraints	3
EGMT 594	Lean Systems	3
EGMT 580	Six Sigma Quality	3
<b>Elective</b>		
Select one of the following:		3
EGMT 520	Resource Management	
EGMT 590	Operations Leadership	
EGMT 655	Project Management	
EGMT 671	Quality Management	
<b>Total Hours</b>		<b>12</b>

# POTTER COLLEGE OF ARTS & LETTERS

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Dr. Terrance D. Brown, Dean

Dr. Merrall Price, Senior Associate Dean

Dr. Jeff Budziak, Associate Dean

Ivan Wilson Fine Arts Center 200

(270) 745-2344

[potter.college@wku.edu](mailto:potter.college@wku.edu)

[www.wku.edu/pcal](http://www.wku.edu/pcal) (<https://www.wku.edu/pcal/>)

## Mission

In PCAL, we cultivate a community of intellectual curiosity, creative expression, and social engagement where all can flourish. We equip our students with the tools to succeed in a diverse and ever-changing world. Here, they discover how to make a meaningful living and how to build a meaningful life.

More than 200 PCAL faculty members provide instruction in nine schools and departments, where we offer graduate and undergraduate degrees, minors, and certificates.

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  - Creative Writing, Master of Fine Arts (0478) (p. 147)
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## Department of Art and Design

Kristina Arnold, Department Chair  
Ivan Wilson Fine Arts Center 441  
(270) 745-3944  
art@wku.edu

### Faculty Professor

Kristina E. Arnold MFA (Art, Painting), University of Tennessee, Knoxville, 2003

Miwon Choe PhD (Curriculum and Instruction), Indiana University-Bloomington, 2001

### 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. Salvator MFA (Art Studio), University of New Mexico Main Campus, 2004

William M. Simpson MA (Art), Marshall University, 1982

Natalie C. Tyree MFA (Graphic Design), Indiana State University, 2013

### Assistant Professor

Kara E. Glenn MFA (Fine Arts), Full Sail Real World Education, 2019

## Department of English

Alison Langdon, Department Chair  
Cherry Hall 135  
(270) 745-3043  
english.office@wku.edu

### Programs

- Creative Writing, Master of Fine Arts (0478) (p. 147)
- English, Master of Arts (067) (p. 148)
- Teaching English to Speakers of Other Languages (TESOL), Certificate (0416) (p. 149)

### 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

Kristi R. Branham PhD (English), University of Kentucky, 2006

Nikolai Endres PhD (Comparative Literature), University of North Carolina Chapel Hill, 2000

Jane L. Fife PhD (English Rhetoric and Composition), University of Louisville, 1992

Elizabeth D. Hall PhD (English), Middle Tennessee State University, 2014

Sandra S. Hughes PhD (English), University of Georgia, 2003

Thomas C. Hunley PhD (Creative Writing), Florida State University, 2003

Alison L. Langdon PhD (English), University of Oregon, 2004

William D. LeNoir PhD, Auburn University, 1992

Alexander B. Poole PhD (English), Oklahoma State University Main Campus, 2003

Merrall Price PhD (English), University of Rochester, 1998

Kelly L. Reames PhD (English), University of North Carolina Chapel Hill, 2002

### Associate Professor

Jessica L. Folk MFA (Screenwriting), Chapman University, 2014

Angela L. Jones PhD (English), University of Kansas Main Campus, 2001

Gillian B. Knoll PhD, University of Maryland College Park, 2012

Peggy D. Otto PhD (English Rhetoric & Composition), University of Louisville, 2009

Lawrence D. Rigby PhD (English), University of Missouri-Columbia, 2000

Trini G. Stickle PhD (English), University of Wisconsin-Madison, 2015

Marla K. Zobel PhD (Comparative Literature), University of Minnesota-Twin Cities, 2017

### Assistant Professor

Nancy W. Dinan PhD (English), Texas Tech University, 2020

Daniel R. Keller PhD (Applied Linguistics), Northern Arizona University, 2021

Daniel J. Liddle PhD (Rhetoric), Purdue University Main Campus, 2018

Mark M. McAndrews PhD (Applied Linguistics), Northern Arizona University, 2020

Jessica R. Thomsen PhD (English), Florida State University, 2021

### Instructor I

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

## Creative Writing, Master of Fine Arts (0478)

### Program Coordinator

Nancy W. Dinan, nancy.dinan@wku.edu

The MFA program provides students pursuing vocations in creative writing the opportunity to acquire the background and knowledge required to be leading citizens of what Vachel Lindsay calls the "Republic of Letters." The program prepares students for lives as writers of novels, short fiction, creative nonfiction, scripts, and poetry and related pursuits such as teaching, literary editing and publishing. In addition to intensive creative writing, students will complete four classes in a secondary concentration as part of the MFA. Students can select a concentration in literature, composition/rhetoric, or teaching English as a second language in order to give them additional options for employment after graduation. In total, the three-year residential program consists of 48 credit hours of graduate course work, culminating in the completion of a publishable creative thesis in fiction, poetry, scriptwriting, or creative nonfiction.

To apply for a funded graduate assistantship, download and submit the application on the department's program webpage: <https://www.wku.edu/english/mfacw/index.php> (<https://www.wku.edu/english/mfacw/>).

### Concentration(s)

- Composition and Rhetoric (ENCR)
- Literature (ENLI)
- Teaching English as a Second Language (ENTL)

### Program Admission

- A bachelor's degree from an accredited university with a minimum GPA of 3.0.
- A twenty-page creative writing sample consisting of work in at least one of the following genres: fiction, creative nonfiction, poetry, or screenwriting. The spacing and formatting of the writing sample should fit conventions of the selected genre.

- A statement of purpose consisting of one or two single-spaced pages describing the applicant's background and interest in creative writing and how the WKU MFA program could help with the applicant's literary pursuits.
- A curriculum vita or resumé, maximum two-pages.
- **Optional:** Students who are interested in applying for one of our funded graduate assistantships must download and submit the GA application along with the required application materials. The completed GA application must include a one-page statement addressing interests, skills, or experiences that make them highly qualified for a graduate assistantship position of teaching introductory college writing classes. The link to the GA application form is found on the department's program website: <https://www.wku.edu/english/mfacw/index.php> (<https://www.wku.edu/english/mfacw/>).
- Although not required, undergraduate creative writing courses are highly recommended

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (48 hours)

Code	Title	Hours
<b>Required Courses</b>		
ENG 507	Introduction to Creative Writing Studies	3
ENG 510	Graduate Rhetoric and Writing	3
ENG 512	Reading as a Writer	3
ENG 501	Graduate Writing Workshop	9
or ENG 403G	Writing Memoir and Autobiography	
or ENG 474G	Advanced Poetry Writing	
or ENG 475G	Advanced Fiction Workshop	
ENG 515	Internship	3
ENG 599	Thesis Research and Writing	6
<b>Electives<sup>1</sup></b>		
	Literature course	3
	Select 6 additional hours	6
	Select a concentration	12
<b>Total Hours</b>		<b>48</b>

<sup>1</sup> Students may take the six hours of elective courses from any of the concentration courses so long as they have not counted them as part of the core or secondary concentration. In order to earn TESL certification as a secondary concentration, students must complete one TESL course as one of their free electives.

## Composition & Rhetoric Concentration

Code	Title	Hours
Select 12 hours from the following:		
ENG 401G	Advanced Composition	
ENG 402G	Editing and Publishing	
ENG 410G	Composition Theory and Practice in Writing Instruction	
ENG 412G	Theories of Rhetoric and Persuasive Writing	

ENG 415G	Writing and Technology	
ENG 597	Special Topics in English	
ENG 598	Advanced Directed Study	
<b>Total Hours</b>		<b>12</b>

## Literature Concentration

Code	Title	Hours
Select 12 hours from the following:		
ENG 489G	The British Novel	
ENG 490G	American Novel	
ENG 493G	American Poetry	
ENG 495G	Southern Literature	
ENG 497G	Women's Literature	
ENG 504	Studies in American Literature	
ENG 514	Studies in British Literature	
ENG 524	Studies in World Literature	
ENG 534	Studies in Genre	
ENG 586	Seminar in British Writers	
ENG 596	Seminar in American Writers	
ENG 597	Special Topics in English	
ENG 598	Advanced Directed Study	
<b>Total Hours</b>		<b>12</b>

## Teaching English as a Second Language (TESL) Concentration

Code	Title	Hours
Select 12 hours from the following:		
ENG 407G	Linguistic Analysis	
ENG 408G	Psycholinguistics and Sociolinguistics	
ENG 471G	TESL Practicum	
ENG 565	Integrated Teaching English as a Second Language	
ENG 566	Seminar in Teaching English as a Second Language	
ENG 598	Advanced Directed Study	
<b>Total Hours</b>		<b>12</b>

## English, Master of Arts (067)

### Program Coordinator

Trini G. Stickle, [trini.stickle@wku.edu](mailto:trini.stickle@wku.edu), (270) 745-5726

The master's program provides an intensive study of literature and composition through a highly adaptable curriculum that develops advanced skills in literary criticism, rhetorical analysis, communication, and analytical thinking. The program supports career advancement in industry and education pathways or continuing graduate work in an English-focused doctoral program. For licensed K-12 educators, the program can lead to a rank change.

## Program Admission

In addition to meeting Graduate Studies requirements, applicants should have earned at least 27 credit hours of undergraduate English with a GPA of 3.0 or better. Those not meeting this requirement may be admitted

conditionally on a case-by-case basis. Applicants should also submit a 2-page statement of purpose describing the reason(s) for pursuing an M.A. in English at Western Kentucky University. The statement may include academic interests, career goals, relevant paid or volunteer experiences, and any other information applicants wish to share with the admissions officer.

Applicants seeking Rank II or Rank I certification must have or be eligible for a secondary school teaching certificate and must include a copy with the application for admission. Applicants whose certificates have expired may be admitted, but they may enroll for only 6 hours before submitting a re-issued teaching certificate. Kentucky applicants will need to contact the Kentucky Education Professional Standards Board for reissued certificates. Applicants from out-of-state with expired certificates must complete the requirements for their respective states to renew their certificates.

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30 hours)

Code	Title	Hours
<b>Required Courses</b>		
ENG 520	Introduction to Graduate Studies	3
Select two Literature Electives from the following list:		6
ENG 430G	19th Century American Literature	
ENG 457G	British Literature since 1900	
ENG 460G	Literary Theory and Criticism	
ENG 468G	Early Modern English Literature	
ENG 481G	Chaucer	
ENG 482G	Shakespeare	
ENG 484G	British Romanticism	
ENG 486G	The Eighteenth Century	
ENG 487G	Dante's Divine Comedy and its Influences	
ENG 488G	Victorian Literature & Culture	
ENG 489G	The British Novel	
ENG 490G	American Novel	
ENG 493G	American Poetry	
ENG 495G	Southern Literature	
ENG 497G	Women's Literature	
ENG 504	Studies in American Literature	
ENG 514	Studies in British Literature	
ENG 524	Studies in World Literature	
ENG 534	Studies in Genre	
ENG 586	Seminar in British Writers	
ENG 596	Seminar in American Writers	
Select two Writing Electives from the following list:		6
ENG 401G	Advanced Composition	
ENG 402G	Editing and Publishing	
ENG 410G	Composition Theory and Practice in Writing Instruction	
ENG 412G	Theories of Rhetoric and Persuasive Writing	
ENG 415G	Writing and Technology	

<b>Electives</b>	<b>15</b>
Complete 15 hours in any ENG 4@G, 5@, 6@ course <sup>1</sup>	
<b>Total Hours</b>	<b>30</b>

<sup>1</sup> All GTAs required to take ENG 510 as one of their electives. Students who wish to write a thesis will only take 9 hours of electives and 6 hours of ENG 599. No more than 3 hours of creative writing courses (ENG 474G, ENG 475G, ENG 403G, and ENG 501) with permission of creative writing faculty member teaching the course.

## Teaching English to Speakers of Other Languages (TESOL), Certificate (0416)

### Program Coordinator

Mark M. McAndrews, mark.mcandrews@wku.edu

The TESOL Graduate Certificate is intended for individuals who want to teach in institutes, either domestically or abroad. The Certificate requires a minimum of 16 hours consisting of ENG 407G, ENG 408G, ENG 565, ENG 566, and ENG 471G, which involves field experience conducted during the final semester; students enrolled in the MAT-TESOL program must take EDU 589 in place of ENG 471G. Students must maintain a 3.0 GPA in order to receive the Certificate.

### Program Admission

- B.A. or equivalent
- 3.0 undergraduate or graduate GPA, or
- A GAP score of 2200, with minimum of 3.5 on analytical writing portion of GRE  
\* $GAP = (GRE-V + GRE-Q) + (GPA \times 100)$ ;
- Students who are accepted into the TESL Graduate Endorsement program may apply for the Graduate Certificate upon completion of 12 hrs of required TESL coursework with a 3.75 GPA

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (16-18 hours)

Code	Title	Hours
<b>Required Courses</b>		
ENG 407G	Linguistic Analysis	3
ENG 408G	Psycholinguistics and Sociolinguistics	3
ENG 565	Integrated Teaching English as a Second Language	3
ENG 566	Seminar in Teaching English as a Second Language	3
ENG 471G	TESL Practicum *	4-6
<b>Total Hours</b>		<b>16-18</b>

\* Students dually-enrolled in this certificate and the MAT-TESOL must take EDU 589, 6 credit hours, in lieu of 471G

\*\*This program is exempt from the maximum of 12 hours denoted in the Duplication of Coursework policy. All concentration hours may be duplicated on one additional graduate degree or certificate at the same level.

Student teacher work sample, i.e., portfolio, is required for final assessment.

## Department of History

Audra Jennings, Department Chair  
Cherry Hall 200  
(270) 745-4665  
history@wku.edu

### Programs

- History, Master of Arts (078) (p. 150)

### Faculty Professor

Marko Dumancic PhD (History), University of North Carolina Chapel Hill, 2010

Marc V. Eagle PhD (History), Tulane University, 2005

Anthony A. Harkins PhD (History), University of Wisconsin-Madison, 1999

Audra R. Jennings PhD (History), The Ohio State University Main Campus, 2008

Eric S. Reed PhD (History), Syracuse University Main Campus, 2001

### Associate Professor

Dorothea Browder PhD (History, Distributed), University of Wisconsin-Madison, 2008

Katherine E. Brown PhD (History), University of Virginia, 2015

Robert L. Dietle PhD (History), Yale University, 1991

Eric Kondratieff PhD (Ancient History), University of Pennsylvania, 2003

Katherine J. Lennard PhD (American Culture Studies), University of Michigan-Ann Arbor, 2017

Jeffrey D. Miner PhD (History), Stanford University, 2011

Alexander I. Olson PhD (American Studies), University of Michigan-Ann Arbor, 2013

Andrew J. Rosa PhD (Afro-American Studies), University of Massachusetts, 2005

Tamara Van Dyken PhD (History), University of Notre Dame, 2009

### Pedagogical Professor

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

## History, Master of Arts (078)

#### Program Coordinator

Alexander I. Olson, alexander.olson@wku.edu, (270) 745-4201

This program is designed to prepare students for the teaching of history in secondary schools, community colleges, or universities. It also provides the initial graduate work for those who intend to pursue a doctoral degree.

### Joint Undergraduate Master's Program (JUMP)

This degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate

degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

## Program Admission

Applicants must meet the following admission standards set forth by the History Department:

- Completion of at least 15 undergraduate credit-hours in history with a grade point average of at least 3.0 in history courses (on a 4.0 scale)
- An overall undergraduate grade point average of at least 3.0 (on a 4.0 scale)
- Applicants must submit application and all supporting materials by June 1 (fall semester start) or November 15 (spring semester start)

Applicants must also submit:

- A brief (approximately 750 words) statement of purpose that discusses why they wish to pursue the Master of Arts degree in History;
- A sample research paper (at least five pages long) that is relevant to the field of History;
- One letter of recommendation from an instructor or supervisor who can assess the applicant's ability to succeed in a professional environment. This letter must be sent directly by the writer to Graduate Studies (graduate.school@wku.edu) and should not be uploaded by the applicant.

The History Department will admit students on a rolling basis. The History Department may limit the number of students admitted to maintain the quality and size of the MA program's student body.

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30-34 hours)

Students may be permitted to take up to six hours of graduate work in a related field in courses approved by the History Graduate Advisor.

### Plan A - Thesis (30 hours)

Code	Title	Hours
<b>Required Courses</b>		
HIST 535	Historiography	3
HIST 536	Sources and Methods	3
HIST 599	Thesis Research/Writing	6
<b>Electives</b>		
Select 18 hours of HIST electives		18
<b>Total Hours</b>		<b>30</b>

### Plan B - Non-Thesis (34 hours)

Code	Title	Hours
<b>Required Course</b>		
HIST 535	Historiography	3
HIST 536	Sources and Methods	3
HIST 598	Comprehensive Exam Preparation	1
<b>Electives</b>		

Select 27 hours of HIST electives	27
<b>Total Hours</b>	<b>34</b>

## Comprehensive Exam

Students should contact the History Graduate Advisor early in their programs for help in selecting fields and compiling a list of books and articles for the comprehensive exam. All students must pass the comprehensive exam (written and oral), which assesses their command of the methods and scholarly literature in their fields of specialization. Students in Plan B are required to enroll in HIST 598 in their final semester. Students in Plan A are not required to enroll in HIST 598 but still must pass the exam.

## Department of Modern Languages

Alex Poole, Department Chair  
Ivan Wilson Fine Arts Center 251  
(270) 745-2401  
modern.languages@wku.edu

## Faculty Professor

Melissa A. Stewart PhD (Hispanic & Italian Studies), Johns Hopkins University, 1992

## Associate Professor

Sonia E. Lenk PhD (Hispanic Language and Literature), University of Pittsburgh Camp, 2007

## Department of Music

Zachary Lopes, Chair  
Ivan Wilson Fine Arts Center 351  
(270) 745-3751  
music@wku.edu

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.

## Programs

- Music, Master of Music (0453) (p. 151)

## Faculty Professor

Heidi P. Alvarez DM (Music Performance), Florida State University, 1998

Scott H. Harris DMA (Music), University of Oklahoma Norman, 2003  
Paul L. Hondorp DMA (Music Conducting), Michigan State University, 2003  
Elizabeth H. Kelly DMA (Voice), University of Cincinnati Main Campus, 2008  
Ching-Yi Lin DM (Violin), Indiana University-Bloomington, 2010  
Gary T. Schallert DA (Music, Conducting), University of Northern Colorado, 2001

## Associate Professor

Matthew J. Herman DMA (Music Composition), Temple University, 2003  
Zachary A. Lopes DMA (Piano), University of Cincinnati Main Campus, 2013

Brian A. St John DMA (Conducting), Arizona State University-ALL, 2010

Lauren E. Whitham DMA (Music), University of Georgia, 2017

Catherine M. Wilson PhD (Music), University of Iowa, 2013

## Assistant Professor

Sarah Herbert DMA (Musical Arts), University of Cincinnati Main Campus, 2017

## Pedagogical Assistant Professor

Matthew J. McCurry DMA (Musical Arts), West Virginia University, 2019  
Jessica L. Welsh DMA (Piano Pedagogy), Texas Christian University, 2021

## Instructor II

John E. Martin MM (Music), Austin Peay State University, 1995

## Music, Master of Music (0453)

### Program Coordinator

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

The Master of Music graduate program has four areas of concentration: Music Education/Teacher Leader, Conducting/Teacher Leader, Conducting, and Pedagogy. These provide continued development of:

1. individual students which will result in enrichment of their personal lives and will enable them to preserve and extend cultural and diverse heritages; and
2. professional and scholarly competence in organization, interpretation, evaluation, communication, and dissemination of knowledge in the discipline.

The Music Education/Teacher Leader and Conducting/Teacher Leader concentrations would further enable the teacher/practitioner to meet certification renewal requirements and rank changes mandated by the Commonwealth of Kentucky. Graduates in the Pedagogy concentration would meet requirements for national certification through the Music Teachers National Association (MTNA).

All degree seeking students must submit a planned program of study (curriculum contract) to Graduate Studies prior to enrollment in coursework beyond 12 hours (inclusive of transfer credit). In compliance with Graduate Studies policy, the degree program is to be developed in consultation with the approved advisor assigned at the time of admission to the program.

## Concentration(s)

- Conducting (MUCN)\*
- Conducting/Teacher Leader (MUCT)\*
- Music Education/Teacher Leader (MUTL)
- Pedagogy (MUPD)



\* These concentrations offer choral, orchestral, and wind band options.

## Program Admission

Students seeking admission to the graduate program apply through Graduate Studies.

### Admission Requirements

1. Baccalaureate degree in music from a NASM accredited institution.
2. Successful audition and interview specific to the discipline.
3. Writing sample that demonstrates style and ability.
4. Applicants who are alumni of WKU teacher preparation programs seeking the Music Education/Teacher Leader and Conducting/Teacher Leader concentrations must submit a current, valid teaching certificate or Statement of Eligibility for P-12 Music Certification (Integrated, Vocal, or Instrumental).

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (30-36 hours)

Prior to completion of 9-12 graduate hours, students are required to take placement exams in music theory and music history.

### Conducting Concentration (31 hours)

Code	Title	Hours
<b>Required Courses</b>		
Music Core <sup>1</sup>		
MUS 500	Theory Seminar	3
MUS 530	Music Literature	3
MUS 511	Research Methods in Music <sup>2</sup>	3
MUS 525	Music and the Human Experience <sup>3</sup>	3
Conducting Concentration Core		
MUS 518	Advanced Conducting <sup>4</sup>	3
MUS 519	Conducting Seminar	6
Ensemble Course		
MUS 625	Graduate Capstone Project	3
<b>Electives</b>		
Select 6 hours from the following <sup>5</sup>		6
MUS 513	Independent Directed Study/Music Education	
MUS 518	Advanced Conducting	
MUS 538	Independent Directed Study/Theory-Literature	
MUS 540	Choral Union	
MUS 541	University Choir	
MUS 544	University Orchestra	
MUS 545	Chamber Singers	
MUS 547	Marching Band	
MUS 548	Band	
MUS 549	Chamber Music	
MUS 550	Applied Music Secondary	
MUS 553	Applied Music Principal	

MUS 571	Jazz Ensemble
MUS 574	Opera Theatre
<b>Total Hours</b>	<b>31</b>

<sup>1</sup> Level 2 content core for the Music Education/Teacher Leader and Conducting/Teacher Leader.

<sup>2</sup> TCHL 559 (1 hr) is embedded in MUS 511.

<sup>3</sup> MUS 525 (3 hrs) is a music content course which aligns to competencies in TCHL 530 and is considered a Level 1 education course.

<sup>4</sup> MUS 518 is a (1) one hour course that is required to be taken three times.

<sup>5</sup> Elective hours must be music courses selected from the other graduate offerings: workshops, ensembles, lessons, independent studies, etc.

### Conducting Teacher Leader Concentration (36 hours)

Code	Title	Hours
<b>Required Courses</b>		
Music Core <sup>1</sup>		
MUS 500	Theory Seminar	3
MUS 530	Music Literature	3
MUS 511	Research Methods in Music <sup>2</sup>	3
MUS 525	Music and the Human Experience <sup>3</sup>	3
Professional Education Core		
TCHL 500	Foundations of Teacher Leadership <sup>4</sup>	3
MUS 509	Music Curriculum in the Elementary and Middle Schools <sup>5</sup>	3
MUS 514	Secondary Music Curriculum <sup>5</sup>	3
MUS 625	Graduate Capstone Project (Action Research Project, an exit requirement)	3
MUS 512	Music Education Workshop <sup>6</sup>	3
Conducting/Teacher Leader Concentration Core		
MUS 518	Advanced Conducting <sup>7</sup>	3
MUS 519	Conducting Seminar	6
<b>Total Hours</b>		<b>36</b>

<sup>1</sup> Level 2 content core for the Music Education/Teacher Leader and Conducting/Teacher Leader.

<sup>2</sup> TCHL 559/TCHL 559 (1 hr) is embedded in MUS 511.

<sup>3</sup> MUS 525 (3 hrs) is a music content course which aligns to competencies in TCHL 530 and is considered a Level 1 education course.

<sup>4</sup> Required the first semester of admission to the program.

<sup>5</sup> Competencies included in TCHL 530, TCHL 545, and TCHL 555 are embedded in MUS 509 and MUS 514. Student enrolled in MUS 509 will have opportunities to interact with students in the TCHL 530 course; those enrolled in MUS 514 will have opportunities to interact with students in the TCHL 555 course. Students will be afforded the opportunity to demonstrate proficiency in those competencies associated with TCHL 530, TCHL 545, and TCHL 555. Those students demonstrating proficiency would not be expected to complete learning outcomes related to those competencies and accompanying critical performances in MUS 509, MUS 512, and MUS 514. They would be provided with advanced learning experiences associated with the courses or would be permitted to substitute another course. The music education critical performances are loaded in the unit's accountability system (E-PASS).

<sup>6</sup> Competencies included in TCHL 555 are embedded in MUS 512. Students enrolled in MUS 512 will have opportunities to interact with students enrolled in TCHL 555.

<sup>7</sup> MUS 518 is a (1) one hour course that is required to be taken three times.

## Music Education Teacher Leader Concentration (30 hours)

Code	Title	Hours
<b>Required Courses</b>		
Music Core <sup>1</sup>		
MUS 500	Theory Seminar	3
MUS 530	Music Literature	3
MUS 511	Research Methods in Music <sup>2</sup>	3
MUS 525	Music and the Human Experience <sup>3</sup>	3
Professional Education Core		
TCHL 500	Foundations of Teacher Leadership <sup>4</sup>	3
MUS 509	Music Curriculum in the Elementary and Middle Schools <sup>5</sup>	3
MUS 512	Music Education Workshop <sup>6</sup>	3
MUS 514	Secondary Music Curriculum <sup>5</sup>	3
MUS 625	Graduate Capstone Project	3
<b>Elective</b>		
Select 3 hours from the following <sup>7</sup>		3
MUS 513	Independent Directed Study/Music Education	
MUS 518	Advanced Conducting	
MUS 538	Independent Directed Study/Theory-Literature	
MUS 540	Choral Union	
MUS 541	University Choir	
MUS 544	University Orchestra	
MUS 545	Chamber Singers	
MUS 547	Marching Band	
MUS 548	Band	
MUS 549	Chamber Music	
MUS 550	Applied Music Secondary	
MUS 553	Applied Music Principal	
MUS 571	Jazz Ensemble	
MUS 574	Opera Theatre	
<b>Total Hours</b>		<b>30</b>

<sup>1</sup> Level 2 content core for the Music Education/Teacher Leader and Conducting/Teacher Leader.

<sup>2</sup> TCHL 559 (1 hr) is embedded in MUS 511.

<sup>3</sup> MUS 525 (3 hrs) is a music content course which aligns to competencies in TCHL 530 and is considered a Level 1 education course.

<sup>4</sup> Required the first semester of admission to the program.

<sup>5</sup> Competencies included in TCHL 530, TCHL 545, and TCHL 555 are embedded in MUS 509 and MUS 514. Students enrolled in MUS 509 will have opportunities to interact with students in the TCHL 530 course; those enrolled in MUS 514 will have opportunities to interact with students in the TCHL 555 course. Students will be afforded

the opportunity to demonstrate proficiency in those competencies associated with TCHL 530, TCHL 545, and TCHL 555. Those students demonstrating proficiency would not be expected to complete learning outcomes related to those competencies and accompanying critical performances in MUS 509, MUS 512, and MUS 514. They would be provided with advanced learning experiences associated with the courses and would be permitted to substitute another course. The music education critical performances are loaded in the unit's accountability system (E-PASS).

<sup>6</sup> Competencies included in TCHL 555 are embedded in MUS 512. Students enrolled in MUS 512 will have opportunities to interact with students enrolled in TCHL 555.

<sup>7</sup> Elective hours must be music courses selected from the other graduate offerings: workshops, ensembles, lessons, independent studies, etc. MUS 512 is a required course. Competencies included in TCHL 550, TCHL 554, and TCHL 558 are embedded in MUS 512. Students enrolled in MUS 512 will have opportunities to interact with students enrolled in the courses TCHL 550 and TCHL 554.

## Pedagogy Concentration (30 hours)

Leads to National Certification by Music Teachers National Association (MTNA)

Code	Title	Hours
<b>Required Courses</b>		
Music Core <sup>1</sup>		
MUS 500	Theory Seminar	3
MUS 530	Music Literature	3
MUS 511	Research Methods in Music <sup>2</sup>	3
MUS 525	Music and the Human Experience <sup>3</sup>	3
Pedagogy Concentration Core		
MUS 520	Advanced Pedagogy	3
MUS 513	Independent Directed Study/Music Education	3
MUS 553	Applied Music Principal	6
MUS 625	Graduate Capstone Project	3
<b>Elective Course</b>		
Select 3 hours from the following		3
MUS 512	Music Education Workshop	
MUS 513	Independent Directed Study/Music Education	
MUS 550	Applied Music Secondary	
MUS 553	Applied Music Principal	
MUS 540	Choral Union	
MUS 541	University Choir	
MUS 544	University Orchestra	
MUS 545	Chamber Singers	
MUS 547	Marching Band	
MUS 548	Band	
MUS 571	Jazz Ensemble	
MUS 574	Opera Theatre	
<b>Total Hours</b>		<b>30</b>

<sup>1</sup> Level 2 content core for the Music Education/Teacher Leader and Conducting/Teacher Leader.

<sup>2</sup> TCHL 559 (1 hr) is embedded in MUS 511.

<sup>3</sup> MUS 525 (3 hrs) is a music content course which aligns to competencies in TCHL 530 and is considered a Level 1 education course.

### Program Exit Requirements

1. Graduate Capstone Project  
Candidates must successfully complete MUS 625 and present research results to the Music Education Committee. The committee will use a 4-point scale with specific criteria to grade the project. A passing score of 3 or higher is needed to pass the exam graduation requirement.
2. Oral Comprehensive Exam  
A comprehensive approach to problem solving in the discipline of music, which includes historical, analytical and pedagogical applications. A committee of graduate music faculty will assess each candidate's oral exam using a 1 (low) to 4 (high) scoring rubric. A passing score of 3 or higher is needed to pass the exam graduation requirement.

## Department of Political Science

Scott Lasley, Department Chair  
Cherry Hall 300  
(270) 745-4558  
polisci@wku.edu

### Programs

- Local Government Administration, Certificate (1745) (p. 154)
- Public Administration, Master of Public Administration (051) (p. 154)

### Faculty

#### Professor

Audrey L. Anton PhD, The Ohio State University Main Campus, 2011  
Jeffrey L. Budziak PhD (Political Science), The Ohio State University Main Campus, 2011  
Jeffrey P. Kash PhD (Political Science), University of Iowa, 2002  
Scott J. Lasley PhD (Political Science), University of Iowa, 2000  
Michael J. Seidler PhD (Philosophy), Saint Louis University, 1981  
Joel F. Turner PhD (Political Science), Florida State University, 2007

#### Pedagogical Professor

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

## Local Government Administration, Certificate (1745)

#### Program Coordinator

Joel F. Turner, joel.turner@wku.edu

#### Program Contact

Scott Lasley, scott.lasley@wku.edu, (270) 745-4558

The graduate certificate in Local Government Administration prepares students for careers in local government administration. Two (2) required courses provide a foundation of public management theory and practice needed to develop the knowledge, skills, and abilities of effective and responsible local government administration. In addition to the two (2) required courses, students choose two (2) elective courses that specifically incorporate content relevant for local government

management, for a total of 12 graduate credit hours to complete the certificate. Students applying to Graduate Studies at WKU can elect to pursue the graduate certificate in Local Government Administration either by itself or in conjunction with another graduate program.

#### Program Admission

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (12 hours)

Code	Title	Hours
<b>Required Courses</b>		
PS 526	Local Government Administration	3
PS 562	Public Policy Implementation & Evaluation	3
or PS 554	Cross-Sector Collaboration & Conflict	
<b>Elective Courses <sup>1</sup></b>		
Select 6 hours from the following		6
PS 512	Kentucky Government and Politics	
PS 520	Elements of Public Administration	
PS 528	Civic Engagement and E-Governance	
PS 550	Cultural Competencies for Public Administrators	
PS 554	Cross-Sector Collaboration & Conflict	
<b>Total Hours</b>		<b>12</b>

<sup>1</sup> At the discretion of the graduate certificate program coordinator, a course substitution may be available by advisement for one (1) of the elective courses.

## Public Administration, Master of Public Administration (051)

#### Program Coordinator

Joel F. Turner, joel.turner@wku.edu

The MPA program prepares graduate students from diverse backgrounds to be productive leaders and managers in public service by sharing knowledge, encouraging excellence in research and practice, and fostering an environment of professionalism within the communities we serve. We have a long history of providing quality education and practical experience to our students through community partnerships with organizations such as Kentucky's area development districts, the Legislative Research Commission, and the Center for Local Governments. Graduates go on to serve in a variety of local, state, federal, and nonprofit organizations, and many have successfully pursued doctoral degrees upon graduation from the MPA program.

### Joint Undergraduate Master's Program (JUMP)

This degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate

degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

#### Program Admission

In addition to meeting all admission requirements to Graduate Studies, admission to the Master of Public Administration program requires the following:

1. Take the Graduate Record Exam (GRE) and have scores sent directly to WKU Graduate Studies. **(Note: Applicants with a cumulative undergraduate GPA of 3.0 or higher from an accredited undergraduate institution and/or 3 years of relevant work experience in the public sector are exempt from the GRE requirement.)**
2. Send two (2) letters of recommendation from persons familiar with the applicant's academic or employment experience to Graduate Studies.
3. Send Statement of Purpose outlining how the MPA degree will help accomplish career goals and objectives to Graduate Studies.
4. Send current resume to the Graduate Studies.

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (36 hours)

The degree requires 36 semester hours of course work including completion of 21 hours of core courses: a thesis is not required.

Code	Title	Hours
<b>Required Core</b>		
PS 501	Research Methods in Public Administration	3
PS 530	Public Sector Organizations	3
PS 538	Public Service Ethics	3
PS 541	Human Resources Management in Public Administration	3
PS 542	Public & Nonprofit Budgeting	3
PS 560	Public Policy Theory	3
or PS 562	Public Policy Implementation & Evaluation	
PS 590	Capstone in Public Administration	3
<b>Electives</b>		
Select 15 hours <sup>1</sup>		15
<b>Total Hours</b>		<b>36</b>

<sup>1</sup> Electives include: Any graduate PS course; RSA 560, RSA 565, RSA 570, RSA 585, LEAD 500, LEAD 600, COMM 523, COMM 528, COMM 553, COMM 561, COMM 564, COMM 566, COMM 571, COMM 578, COMM 581, COMM 586, COMM 590.

## Department of Society, Culture, Crime, & Justice Studies

Holli Drummond, Department Chair  
Grise Hall 100  
(270) 745-3759

## 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, 1995  
Matthew V. Pruitt PhD (Sociology), North Carolina State University, 1995  
Douglas C. Smith PhD (Sociology), PA State University Main Campus, 1996

### Associate Professor

James W. Kanan PhD (Sociology), PA State University Main Campus, 1996  
Amy C. Krull PhD (Sociology & Anthropology), Purdue University Main Campus, 2000  
Carrie Trojan PhD (Criminal Justice), City University of New York, 2009

### Assistant Professor

Marcus A. Brooks PhD (Sociology), University of Cincinnati Main Campus, 2022  
Kyle D. Maksuta PhD (Sociology), SUNY at Albany, 2021  
Justin M. Smith PhD, University of Florida, 2009

### Instructor I

Crystal L. Bohlander MPA (Public Administration), Western Kentucky University, 2003

## School of Media & Communication

Ron DeMarse, Director  
Email: [Ron.DeMarse@wku.edu](mailto:Ron.DeMarse@wku.edu) (%20ron.demarse@wku.edu)

Angela M. Jerome, Assistant Director  
Email: [Angela.Jerome@wku.edu](mailto:Angela.Jerome@wku.edu) (angela.jerome@wku.edu)

Jody Richards Hall, Office 216  
Phone: (270) 745-4144  
Website: <http://www.wku.edu/smc> (<http://www.wku.edu/smc/>)

The School of Media & Communication houses a master's degree in Organizational Communication and graduate certificates in Communicating in Organizations and Communicating in Healthcare (see Graduate Studies' Catalog for details on the School's graduate programs).

The School also offers undergraduate majors in Advertising, Broadcasting, Communication, Film, Journalism, Public Relations, and Visual Journalism & Photography, as well as two minors (Broadcasting and Journalism Writing) and five undergraduate certificates (Digital Advertising, Personal Branding, Sport Media & Communication, Strategic Communications, and Workplace Communication).

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. As such, the School's faculty encourage students to think critically, act ethically, and cultivate the ability to adapt intellectually and creatively to the opportunities and challenges of an increasingly complex information society.

The School also participates in regional and national competitions as well as hosts field trips, guest lectures, professional workshops, and other events to provide fellowship for students with common interests and to enhance student learning and post-graduation success.

## Programs

- Communicating in Healthcare, Certificate (0475) (p. 156)
- Communicating in Organizations, Certificate (0471) (p. 156)
- Organizational Communication, Master of Arts (0012) (p. 157)

## Faculty

### Professor

Kumi Ishii PhD (Communication Studies), Kent State University Kent Campus, 2004

Angela M. Jerome PhD (Communication Studies), University of Kansas Main Campus, 2002

Jennifer Mize Smith PhD (Communication), Purdue University Main Campus, 2006

Holly J. Payne PhD (Communication), University of Kentucky, 2003

### Associate Professor

Jie-Young Kong PhD (Communication), Arizona State University-ALL, 2012

Kenneth D. Payne MA (Journalism), Marshall University, 1992

### Assistant Professor

Crystal D. Daugherty PhD (Communication), University of Memphis, 2019

### Senior Instructor

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

## Communicating in Healthcare, Certificate (0475)

### Program Coordinator

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

The Communicating in Healthcare Certificate is designed to provide students with a deep understanding of the role of communication in healthcare contexts. This certificate will explore interpersonal as well as organizational factors affecting healthcare and will assist students in developing communication strategies and skills. Students completing the program not only will understand how to communicate more effectively within their health profession but also will know how better to communicate with patients to maximize compliance and enhance advocacy.

This certificate provides 12 hours of advanced coursework in communication within the healthcare context. Students will take 6 credit hours of required courses related to health communication and health campaigns, and 6 credit hours of restricted electives from intercultural, group, interpersonal, or organization communication, and from healthcare administration, public health, or gerontology. All of the coursework can be completed online and in one year.

## Program Admission

Submit an academic writing sample from an undergraduate or graduate course.

### Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (12 hours)

Code	Title	Hours
<b>Required Courses</b>		
COMM 523	Health Communication	3
COMM 553	Health Communication Campaigns	3
<b>Restricted Electives</b>		
Select 6 hours from the following:		6
COMM 528	Communication in the Nonprofit Sector	
COMM 564	Crisis Communication	
COMM 578	Seminar in Interpersonal Communication	
COMM 581	Applied Organizational Communication	
COMM 586	Process of Group Communication	
COMM 590	Intercultural Communication	
HCA 540	Health Care Organization and Management	
HCA 541	Strategic Management & Marketing of Health Services	
PH 548	Community Organizing in Public Health	
PH 564	Public Health Issues in Women's Health	
PH 578	Health Inequities	
PH 580	Public Health Foundations and Practice	
PH 581	Applied Methods in Public Health Practice/Field Epidemiology	
PH 587	Health Behavior Theory	
NURS 501	Nursing, Politics and Health Policy	
NURS 528	Leadership and Management in Nursing Administration	
<b>Total Hours</b>		<b>12</b>

## Communicating in Organizations, Certificate (0471)

### Program Coordinator

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

The Communicating in Organizations certificate provides students the opportunity to develop an in-depth understanding of how communication functions in organizations. Using foundational and current research in the field, students are exposed to organizational communication theory and processes. Students will take graduate courses that focus on general organizational communication theory, applied organizational communication, communication within specific organizational contexts, and one other course chosen by participants as especially relevant to their own work and interests.

## Program Admission

- Submit an academic writing sample from an undergraduate or graduate course.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Program Requirements (12 hours)

Code	Title	Hours
<b>Required Courses</b>		
Select 6 hours of the following:		6
COMM 528	Communication in the Nonprofit Sector	
COMM 561	Multinational Organizational Communication	
COMM 564	Crisis Communication	
COMM 571	Organizational Communication in the Digital Age	
COMM 581	Applied Organizational Communication	
COMM 586	Process of Group Communication	
Select 6 hours of the following:		6
COMM 523	Health Communication	
COMM 553	Health Communication Campaigns	
COMM 566	Corporate & Organizational Advocacy	
COMM 568	Communication and Organizational Identification	
COMM 578	Seminar in Interpersonal Communication	
COMM 590	Intercultural Communication	
<b>Total Hours</b>		<b>12</b>

## Organizational Communication, Master of Arts (0012)

### Program Coordinator

Jie-Young Kong, [jiyoung.kong@wku.edu](mailto:jiyoung.kong@wku.edu), (270) 745-6578

The Master of Arts in Organizational Communication prepares students for a variety of careers and pursuits in which advanced communication study is helpful, including management, public relations, personnel relations, education, training, sales, and marketing. Our mission is to provide graduate students with an engaging, challenging, and rewarding program that integrates communication theory, practice, and problem-based research. With a focus on applied organizational communication, our vibrant and active program includes coursework in interpersonal, health, and intercultural communication to provide a well-rounded academic program for students wanting to advance in professional and academic endeavors. Many of our graduates find success in diverse organizational settings and join quality doctoral programs around the country.

### Joint Undergraduate Master's Program (JUMP)

This degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate

degree in an accelerated timeframe. Contact the graduate program coordinator for additional information.

## Program Admission

Program admission is based on a comprehensive evaluation of an applicant's file.

Applicants should submit:

- Undergraduate transcripts reflecting all undergraduate studies and an earned undergraduate degree with a minimum cumulative grade point average (GPA) of 3.00.
- Academic writing sample.
- Letter of intent detailing:
  - academic and/or professional experiences,
  - goals in pursuing graduate studies in communication,
  - areas of interest in the communication discipline.

## Graduate Studies Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate Studies admission requirements.

## Degree Requirements (30 hours)

Students should complete the required core courses (COMM 501, COMM 502, COMM 547) within their first 15 hours of coursework with a grade of "B" or higher in each. As a general policy, the program does not allow transfer of research methods courses to fulfill the research methods requirements.

Code	Title	Hours
<b>Required Courses</b>		
COMM 501	Qualitative Methods in Communication Research	3
COMM 502	Quantitative Methods in Communication Research	3
COMM 547	Organizational Communication Theory	3
<b>Electives</b>		
Select 15 hours from the following with advisor approval:		15
COMM 523	Health Communication	
COMM 526	Family Communication	
COMM 528	Communication in the Nonprofit Sector	
COMM 531	Global Leadership Communication	
COMM 552	Democracy, Power, & Voice in Organizations	
COMM 553	Health Communication Campaigns	
COMM 560	Seminar in Organizational Communication	
COMM 561	Multinational Organizational Communication	
COMM 564	Crisis Communication	
COMM 566	Corporate & Organizational Advocacy	
COMM 568	Communication and Organizational Identification	
COMM 570	Seminar in Human Communication	

COMM 571	Organizational Communication in the Digital Age	
COMM 578	Seminar in Interpersonal Communication	
COMM 581	Applied Organizational Communication	
COMM 586	Process of Group Communication	
COMM 590	Intercultural Communication	
COMM 595	Independent Study in Communication	
COMM 596	Graduate Internship in Communication	
Select one of the following options:		6
Thesis Option:		
COMM 599	Thesis Research/Writing (6 hours)	
Non-Thesis Option: <sup>1</sup>		
Select an additional 6 hours of Communication electives <sup>2</sup>		
<b>Total Hours</b>		<b>30</b>

<sup>1</sup> The Non-Thesis option requires a written comprehensive exam.

<sup>2</sup> With academic advisor and graduate coordinator or department chair approval, students may transfer six hours from another university or take up to six hours in another discipline.

# Student Conduct

## 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 of the University. Subsequently, the President grants authority to the Division of Enrollment & Student Experience through the Assistant Vice President and Dean of Students, to the Office of Student Conduct and the Office of Institutional Equity (Title IX).

The Office of Student Conduct assumes the responsibility to oversee the administration of the Student Code of Conduct. When appropriate, the Office of Student Conduct may delegate conduct authority to additional University officials (e.g., Housing and Residence Life staff) and committees (e.g., University Disciplinary Committee) in keeping with University policies, rules, and regulations.

## University's Scope Governing Conduct

The Student Code of Conduct applies to individual students, both undergraduate and graduate, and all student organizations of WKU. For the purposes of student conduct, the University considers an individual to be a student from the point at which a student is enrolled with the institution and thereafter throughout the student's enrollment. At all times, students have access to the Student Code of Conduct. In addition, material copies of the Student Code of Conduct are contained in the Student Handbook and are available in the Office of Student Conduct and upon request.

The Student Code of Conduct and disciplinary authority of the University applies to behaviors of students and/or student organizations that occur on WKU premises, at University-sponsored activities and events, or in connection with a credit-bearing experience. Additionally, the Student Code of Conduct may, in the University's discretion, apply to off-campus conduct that causes a significant disruption to the educational mission of the University or presents a significant danger or threat of safety to themselves or others, such that if the conduct occurred on WKU premises, a possible outcome would be suspension or expulsion. For instance, conduct arising to this level, might include, but is not limited to, instances of drug trafficking or crimes of violence.

The conduct process outlined in this policy may proceed prior to, independent of, or concurrent with any civil or criminal proceedings. The administration of this policy is independent from any legal process and is not governed by the rules of evidence or civil or criminal procedure.

## Purpose of the Code of Student Conduct

The Student Code of Conduct provides the standards of behavior developed by the Western Kentucky University (WKU, or the University) Community for individual students and for student organizations during their enrollment and recognized status respectively. WKU adopts reasonable rules and regulations applicable to students and student organizations which are necessary for the orderly, harmonious, and beneficial learning environment of the whole WKU Community. The Student Code of Conduct is intended to ensure that conduct of an individual student or organization aligns with WKU's educational mission, its goals to prepare productive, engaged, and socially responsible citizen-leaders, and institutional core values.

The Student Code of Conduct summarizes fair and impartial procedures that are used to determine the responsible person or persons in

the event it is determined that student misconduct has occurred. The Student Code of Conduct outlines the procedure for redress of misconduct and appropriate sanctions, if any, for a student or student organizations deemed in violation of the University standards of behavior. Throughout the entirety of this process, individual rights and due process are sustained and respected. For more on Student Rights and Responsibilities, please visit: <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 Student Code of Conduct is violated, the responsible parties will go through the University's disciplinary process, which is intended to be a fair and educational experience. Students are presumed not responsible until the institution has established every element of an alleged violation; however, this shall not be construed to mean that a complainant or any witnesses has presented false testimony or evidence. 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 Student Code of Conduct. The Code can be found at [www.wku.edu/studentconduct](http://www.wku.edu/studentconduct) and [www.wku.edu/policies/docs/index.php?policy=414](http://www.wku.edu/policies/docs/index.php?policy=414).

## Student Rights and Responsibilities

### Code of Student Rights and Responsibilities

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

### Academic Integrity

Students are expected to pursue their studies with commitment to intellectual honesty and personal integrity. The maintenance of academic



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

### **Academic Dishonesty**

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

### **Cheating**

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

### **Plagiarism**

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

### **Multiple Submissions**

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

### **Other Types of Academic Dishonesty**

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

## **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. Students are presumed Not Responsible until the institution has established every element of the alleged violation; however, this shall not be construed to mean that the complainant or any witness(es) has presented false testimony or evidence. The following list describes University outcomes that may be administered as a result of violating the WKU Code of Student Conduct. A student accused of an alleged violation of the Code of Student Conduct will have the opportunity to review accusations, review any information, and will be able to provide a response. Outcomes may be used independently or in combination depending on the particular circumstance of the violation. Chronic and/or multiple violations during the course of an individual student's college career may increase the severity of outcomes applied. The Office of the Vice President for Enrollment and Student Experience, or designee, will make the determination whether allegations are sufficiently egregious to warrant consideration of suspension, dismissal, or expulsion. The following shall be factored into the decision-making process:

- 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 result in 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/sao](http://www.wku.edu/sao).

## 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 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
- Global Learning & International Affairs
- WKU 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

### Campus Recreation & Wellness (<https://www.wku.edu/crw/>) (CRW)

Justin Cato, Director

[Justin.Cato@wku.edu](mailto:Justin.Cato@wku.edu) ([justin.cato@wku.edu](mailto:justin.cato@wku.edu))

Raymond B. Preston Health and Activities Center, Office 20a

Phone: 270-745-6060; Fax: 270-745-2006

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

The Department of Campus Recreation & Wellness is located in the Raymond B. Preston Health and Activities Center. “We connect, transform, and empower Hilltoppers to be lifelong learners through inclusive, holistic, experiential learning opportunities that enrich their overall well-being” expresses the mission of this office and one that is implemented by providing recreational and healthy lifestyle opportunities for the university community.

The Raymond B. Preston Health and Activities Center is a 126,000 square foot facility that opened in 1992. It houses six basketball/volleyball/badminton courts, six racquetball courts, two indoor tennis courts, a swimming pool, a fitness center containing cardiovascular, selectorized strength and free weight equipment, a suspended indoor running track, a dance studio, separate faculty/staff and student locker rooms, a multipurpose room, a smart classroom, a Health and Fitness Lab, an Outdoor Recreation and Adventure Center, a 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 a membership (\$35.00) on a semester basis. Memberships are available for students' spouses and their children. Summer memberships are also available.

The Department of Campus Recreation & Wellness provides students, faculty, and staff an opportunity for participation in constructive recreational activities. These programs consist of recreational sports leagues, recreational free-play, sport club activities, instructional programs, fitness services, nutritional education, and fitness classes.

The intramural sport program is designed to give students the opportunity to compete in sports and games of their choice. Typical activities (subject to change year to year) included in these programs are badminton, basketball, canoe battleship, cornhole, dodgeball, flag football, futsal, pickle ball, soccer, softball, 3-point challenge, 3 on 3 hoops tournament, ultimate Frisbee, and volleyball. The faculty and staff at WKU may participate in the intramural sport program with a membership to the Preston Center.

The sport club program helps 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 billiards, fencing, lacrosse, rugby, soccer, and volleyball. Other sports can be represented if there is sufficient student interest.

The Hattie L. Preston Intramural Sports Complex, located two miles from campus on the corner of Campbell Lane and Industrial Drive, presents a significant addition to the Campus Recreation & Wellness facilities. Twenty-four acres were developed and include eight flag football fields, four softball fields and a combination soccer, rugby, field hockey, and lacrosse field. In the Fall of 2000, state of the art lighting, scoreboards and irrigation systems were added. The centerpiece of the Sports

Complex is the two-story field house, which has administrative offices, a lounge, scorekeeping areas, a concessions area, restrooms, and a storage area.

The Health & Fitness Lab, located in the Preston Center, provides clinical and educational services to students, faculty, and staff of WKU. The Health & Fitness Lab is staffed by degreed and certified fitness professionals, and trained students who are eager to help you address your personal health & fitness needs. The Lab provides all the fitness programming in the Preston Center including group fitness classes and various fitness assessments, exercise prescriptions, weight training orientations, and nutritional counseling and education services. Other programs offered are personal training, massage therapy, and instructional programs such as yoga, dance lessons, self-defense courses, boot camp programs, and much more! Stop by room 20a in the Preston Center to learn more or sign up for any of their services or check out their website at <https://www.wku.edu/crw/healthfitnesslab/>. (A separate fee is required for these services).

WellU® is the student wellness program at WKU that collaborates with other student services and programs on campus. It is designed to help students engage in services that promote healthy habits and success in the classroom and life in general. The Mission of the WellU® program is to unify student health promotion efforts at WKU. The WellU® program gives away scholarships and prizes every year to students for active participation. Check out this great opportunity at [www.wku.edu/awellu](http://www.wku.edu/awellu) (<https://www.wku.edu/awellu/>). The Student Wellness Program is located in the Health Services Building on campus adjacent to the Preston Center.

Hilltopper Nutrition's role is to educate and motivate WKU students, while collaborating with the community, concerning the importance of maintaining wholesome nutrition for their health. Hilltopper Nutrition provides the WKU campus with educational information covering a wide variety of nutrition-related topics and events. Students have access to healthy options all over campus to complement their demanding schedule. The Hilltopper Nutrition program works to provide healthier alternatives to everyday food choices and provide students with the necessary information to make smarter, healthier choices while on campus. Look for the Healthier Eating Guide all over campus to help identify healthier options with a meal swipe. Don't forget to check out our blog, Hilltopper Nutrition, for information on our favorite nutrition topics. Hilltopper Nutrition is located in the Health Services Building on campus.

The WKU Health Education & Promotion Program (HEP), located in the Health Services Building, provides health education and promotional programming to the student population by assisting in making behavioral changes that enhance all dimensions of health and wellness. Health Education and awareness is offered through a variety of services and programs allowing students to be successful at WKU and beyond. For more information about programs and services, please visit our website at: <http://www.wku.edu/hep/>, or email us at [healthed@wku.edu](mailto:healthed@wku.edu) (%20healthed@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, quit tobacco services, health communication campaigns/publications and more.

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, intramural and club sport 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 in the Health and Fitness lab of the 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/](http://www.wku.edu/crw/) (<https://www.wku.edu/crw/>).

## Career Development (<https://www.wku.edu/career/>)

### Advising and Career Development Center (ACDC)

Wayne E. Simpson, Associate Director of Career Development

Downing Student Union, 2nd floor - Room 2001  
(270) 745-3095

[careerhelp@wku.edu](mailto:careerhelp@wku.edu)

Handshake: [www.joinhandshake.com](http://www.joinhandshake.com) (<https://www.joinhandshake.com/>)

Career development services for graduate students are provided by the Advising and Career Development Center (ACDC) to help students identify and reach their career and employment goals. The career team assists in preparing students for an ever-changing job market through resume and cover letter reviews, interview tips and skills, job and internship search tips, and career development presentations. Students are able to seek employment opportunities through Handshake, an online employment management software, as well as network with potential employers at career fairs and events offered throughout the academic year.

All other services provided by the ACDC are specifically for undergraduate students. Contact Graduate Studies (<https://www.wku.edu/graduate/contact.php>) for additional graduate student service information.

## Center for Innovative Teaching & Learning (<https://www.wku.edu/citl/>) (CITL)

[citl@wku.edu](mailto:citl@wku.edu)

Honors College & International Center  
(270) 745-2106

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.

## Counseling Center (<https://www.wku.edu/heretohelp/>)

[counseling.center@wku.edu](mailto:counseling.center@wku.edu)

Potter Hall 409

(270) 745-3159

The Counseling Center at WKU provides the following services without assessing a fee or billing insurance: individual counseling services for currently enrolled students; educational programs for classes, organizations, and departments; consultation to faculty and staff regarding student mental health related behavior(s); referrals to psychiatrists, psychologists, and counselors outside of the university; and, crisis/emergency assistance for mental health related situations that arise on campus or in our community.

## WKU Online (<https://www.wku.edu/online/>)

WKU offers flexible pathways to degree attainment, allowing students to earn a complete degree online or choose to take a combination of face-to-face and online courses. Courses are delivered on the web in semester-based online classes and non-semester-based classes in the on demand format.

There are more than 1,700 courses available each year, and over 80 degree programs and certificates at the graduate and undergraduate levels. In addition, there are several degree programs that allow students to complete a significant portion of required courses online, offering additional options for flexibility within their program of study.

WKU Online also offers an on demand option that provides asynchronous online courses for students to pursue educational experiences outside the traditional college classroom. On demand courses are offered to help undergraduate and graduate students who, because of distance or time constraints, cannot participate in traditional on-campus or semester-based online courses. Over 100 web courses are available and WKU faculty teach all courses.

### Online Student Services

(270) 745-3028

[online.success@wku.edu](mailto:online.success@wku.edu)

As a **WKU student**, you will have access to support services designed specifically for distance learners! Online Student Services provides students with access to support designed to help them succeed in reaching their educational goals. As an online learner, juggling college with work and other responsibilities can be challenging. WKU Online Student Services are here to connect you to your available WKU resources such as Online Orientation, WKU Library services, an Online Writing Lab, Online Tutoring, Career Services, Academic Advising, and a **Student Success Coach** (<https://www.wku.edu/online/coaching/>) who

will always be there lending support and guidance throughout your entire program – all easily accessible and free of charge through our **Student Resource Portal**. (<https://www.wku.edu/online/srp/>)

### **Distance Learning Testing Center (<https://www.wku.edu/testing/>)**

(270) 745-5122

dltc@wku.edu

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 workforce certification, academic placement, and admission exams to WKU and the surrounding communities.

### **On Demand (<https://www.wku.edu/ondemand/>)**

(270) 745-4158

ondemand@wku.edu (%20ondemand@wku.edu)

WKU Online also offers an on demand option that provides asynchronous online courses for students to pursue educational experiences outside the traditional college classroom. On demand courses are offered to help undergraduate and graduate students who, because of distance or time constraints, cannot participate in traditional on-campus or semester-based online courses. Over 100 web courses are available and WKU faculty teach all courses.

Students may register for on demand courses any day of the year and may complete on demand courses in as little as 7 weeks or take up to 9 months. Admission to the University is not required to enroll in on demand options; however, if students intend to pursue a degree, they must be formally admitted. All registrations are considered in-state for tuition purposes. A list of available on demand courses can be found on our website or by viewing WKU's schedule of classes and searching by campus "On Demand."

### **Online Recruiting**

(270) 745-5173

learn.online@wku.edu

WKU Online Recruitment is dedicated to guiding prospective students through the process of enrolling in our online degree programs. Utilizing advanced digital marketing strategies, personalized communication, and one-on-one virtual meetings, our team ensures a seamless application experience. For a comprehensive list of our online degree programs, please visit our website at [wku.edu/online](https://www.wku.edu/online) (<https://www.wku.edu/online/>). To speak with a representative, call (270) 745-5173 or toll-free at 1-888-4WKUWEB (888-495-8932), or email us at [learn.online@wku.edu](mailto:learn.online@wku.edu).

## **Cohort Programs (<https://www.wku.edu/cohort/>)**

(270) 745-2162

delo.cohorts@wku.edu

Cohort Programs works with academic departments to provide quality college credit programs designed for a specific number of students, a cohort, who will move through the coursework together. We partner with businesses and industry to develop customized certificates and degree programs that meet the needs of WKU partners.

## **Continuing & Professional Development (<https://www.wku.edu/cpd/>)**

(270) 745-1902

CPD oversees four non-credit areas:

- Career & Workforce Development (CWD) – provides training in communication skills, team building, supervision, and more to help develop the workforce in our community
- Lifelong Learning (LL) – coordinates professional development learning opportunities and oversees the Continuing Education Unit (CEU) process
- Training Resources & Event Planning Services (TREPS) – facilitates training and events for individuals and organizations through the region, as well as the WKU campus community
- Conference Services - provides meeting support for WKU and public events at the Knicely Conference Center and Eva and Jim Martens Alumni Center. The Office of Conference Services coordinates accommodations for events including conferences, corporate trainings, trade shows, receptions, awards banquets, and social gatherings.

## **Regional Campuses (<https://www.wku.edu/regionalcampuses/>)**

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.

WKU regional locations bring the University to each region through academic programs, workforce development opportunities, and resources designed to meet the unique needs of each community.

Financial assistance (<https://www.wku.edu/financialaid/>) and transfer scholarships (<https://www.wku.edu/financialaid/scholarships/transfer.php>) are available for qualified students.

### **WKU in Glasgow (<https://www.wku.edu/regionalcampuses/glasgow/>)**

glasgow@wku.edu

500 Hilltopper Way

Glasgow, KY 42141

(270) 861-6900

WKU in Glasgow offers a variety of courses and degree programs designed to meet the unique needs of adult learners within the region. Classes are offered face-to-face, online, and using live-stream technology or through a hybrid of these formats.

WKU in Glasgow staff provide hands-on support, including academic & transfer advising, financial aid counseling, tutoring, writing assistance, testing, and much more. Students also have access to the WKU in Glasgow Learning Commons – a space dedicated for students that includes quiet study areas, computers & printing stations, open workspaces and reading nooks, as well as an area for students to work collaboratively.

### **WKU in Elizabethtown (<https://www.wku.edu/regionalcampuses/etown-ftknox/>)**

etown-ftknox@wku.edu

610 College Street, CRPEC 130

Elizabethtown, KY 42701

(270) 769-7930

WKU in Elizabethtown is located on the Elizabethtown Community and Technical College campus and also offers courses at the Hardin County Schools Early College & Career Center (EC3). WKU in Elizabethtown provides a variety of courses and degree programs designed to meet the unique needs of adult learners within the region. Students have access to academic & transfer advising, military student services, financial aid counseling, computer labs, tutoring, writing assistance, testing, and other resources to encourage success. Classes are offered face-to-face, online, and using live-stream technology or through a hybrid of these formats.

### **WKU at Ft. Knox (<https://www.wku.edu/regionalcampuses/ftknox/>)**

etown-ftknox@wku.edu  
31 Warehouse Street, Building 65  
Layaou Hall, Room 103  
Fort Knox, KY 40121  
(270) 745-2626

WKU has an office located on the Fort Knox command post which offers a variety of courses and degree programs designed to meet the unique needs of military students and their families. Classes are offered face-to-face, online, and using live-stream technology or through a hybrid of these formats. Students have access to academic & transfer advising, military student services, financial aid counseling, computer labs, tutoring, writing assistance, testing, and other resources to encourage success.

### **WKU in Owensboro (<https://www.wku.edu/regionalcampuses/owensboro/>)**

owensboro@wku.edu  
4821 New Hartford Road  
Owensboro, KY 42303  
(270) 684-9797

WKU in Owensboro provides a variety of courses and degree programs designed to meet the unique needs of adult learners within the region. WKU staff provide hands-on support, including academic & transfer advising, financial aid counseling, tutoring, writing assistance, testing, and much more. Classes are offered face-to-face, online, and using live-stream technology or through a hybrid of these formats.

### **WKU in Somerset (<https://www.wku.edu/regionalcampuses/somerset/>)**

stephanie.prichard@wku.edu  
University Center of Southern Kentucky  
808 Monticello Street  
Somerset, KY 42501  
(606) 451-6667  
(270) 861-6920

Through a partnership with the University Center of Southern Kentucky at Somerset Community College, WKU offers a variety of courses and degree programs designed to meet the unique needs of adult learners within the Somerset region. WKU staff provide academic & transfer advising, financial aid counseling, tutoring, writing assistance, and more. Classes are offered face-to-face, online, and using live-stream technology or through a hybrid of these formats.

## **Global Learning & International Affairs (<https://www.wku.edu/international/>) (WKU Global)**

Mr. John Sunnnygard, Associate Provost for Global Learning and International Affairs  
Honors College and International Center (HCIC)  
(270) 745-4857

Western Kentucky University has a long and rich tradition of international engagement which is represented throughout the university's strategic plan. Global Learning and International Affairs (WKU Global) works on campus and around the world to offer WKU students transformative global learning experiences on and off campus. Our team are the first to welcome and prepare international and displaced students to succeed at WKU. WKU Global consists of two units: Global Learning Admissions and Recruitment (GLAR) and Global Learning Advising and Student Services (GLASS). WKU Global collaborates closely across campus to make study abroad affordable, achievable, and available to all WKU students. All WKU Global units are housed in the Honors College and International Center building.

### **Global Learning Admissions and Recruitment (<https://www.wku.edu/international/>) (GLAR)**

applyinternational@wku.edu  
(270) 745-4857

- **Global Learning Admissions and Recruitment (GLAR):** GLAR is committed to right-fit recruiting whether it is bringing a diverse and qualified of international students to the WKU campus or connecting WKU students to global learning opportunities. This includes setting and ensuring adherence to admission standards, liaising with academic departments and colleges to establish fruitful international partnerships in support of student recruitment, and awarding scholarships.
- **Global Marketing and Communications:** Driven by the goals of WKU's strategic plan, the marketing and communications unit develops and oversees a comprehensive communications plan. Through market research and data-driven strategy, WKU Global provides timely information to a wide range of constituents including key support for global learning student recruitment and retention.

### **Global Learning Advising and Student Services (<https://www.wku.edu/international/>) (GLASS)**

study.abroad@wku.edu, iss@wku.edu  
(270) 745-4857

- **Study Abroad Advising (<https://www.wku.edu/studyabroad/>):** WKU encourages and supports all students seeking the opportunity to incorporate international academic, professional, and cross-cultural experiences into their education. WKU offers a wide variety of international education opportunities for a range of academic disciplines and budgets. Students can choose to study, intern, volunteer, student teach, conduct research abroad or participate virtually during any academic term.
- **International Student and Scholar Services:** International Student and Scholar Services (ISSS) supports WKU's international students, visiting scholars, and their families through immigration advising, advocacy, cross-cultural programming, and training.
- **Global Learning Programming:** WKU Global is committed to providing global learning opportunities to the WKU campus community through

cross-cultural training, global learning forums, student events, workshops, and topical discussions.

- **International Pathway to Academic Success (IPAS):** The IPAS is committed to international student success by delivering a specialized first-year program that offers customized courses, academic support, and co-curricular engagement to facilitate a successful transition to college life at WKU.

## Housing and Residence Life (<https://www.wku.edu/housing/>)

hrl@wku.edu  
Southwest Hall, Room 18  
(270) 745-4359

The Department of Housing and Residence Life, in partnership with the student and the university community, provides 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 wifi capability in each bedroom, and laundry facilities in each hall. Apartment living is also available to juniors, seniors, and graduate students. 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. 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.

### Housing Application and Fee Payment

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

A resident agrees to pay the full semester housing fee by the due date.

The resident agrees that any deviation from the established schedule of payment or any problem with payment, must be approved by the office of Billings and Receivables before payment is due.

The resident agrees that failure to make payment as prescribed does not relieve the resident of accumulated housing fees while in residence.

The resident understands that nonpayment may result in denial of residence hall accommodations and services, as well as University registration, until the amounts due are paid.

### Cancellations and Refund Policy

#### Cancelation before the beginning of the Academic year or Spring Only Semester:

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

#### Cancelation After the Beginning of the Academic Year or Spring Only semester:

A resident who does not check into the assigned room by midnight of the first day of classes will be considered a "no show," and be canceled

immediately. A late cancelation charge of \$150 will be assessed to students who are no shows.

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

A termination fee and any applicable housing fees (room charge through the official date of withdrawal, or assessment of the required housing fee for non-compliance with the required housing policy) will be assessed to a student's bill. The contract termination fee is 50% of the student's semester housing charge.

Requests for exemption can be submitted online in the Housing Portal. Exemptions are not guaranteed.

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

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

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

### Room Assignments

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

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

### Residence Hall Rooms

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

### Reservations

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

## ID Center (<https://www.wku.edu/idcenter/>)

Downing Student Union 2125

(270) 745-2417

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.

## Information Technology Services (<https://www.wku.edu/its/>)

Information Technology Services (ITS) is a unit in the Division of Strategy, Operations, and Finance. The goal of ITS is to provide WKU students, faculty, and staff with superior customer service; reliable and timely technical support; state-of-the-art technology tools; technology training; and convenient access to computing and communications resources. ITS continually places specific emphasis on the use of information technology in student learning, faculty teaching, and staff productivity.

ITS services include: providing instructional delivery and support leveraging a variety of technologies to support traditional and online instruction; delivery of information through a mobile app for key systems and services such as email, course schedules, meal plan management, campus maps, and bus schedules; support of Student Technology Center locations (open labs), providing computers and printing services available to all WKU students, faculty, and staff; and support of departmental labs/classrooms.

In addition, WKU ITS provides a number of user support services including a centralized ITS Service Desk and TopperTech, a complimentary repair service for student computers where students and employees can also checkout technology equipment for academic or WKU-sanctioned purposes. These and other services are described in more detail on the WKU ITS web page (<https://www.wku.edu/its/>).

## Intercultural Student Engagement Center (<https://www.wku.edu/isec/>) (ISEC)

Dr. Cres'Sena Thomas, Associate Director  
Dero Downing Student Union, Office 2041  
Phone: 270-745-5066; Fax 270-745-5273

The Cynthia and George Nichols III Intercultural Student Engagement Center (ISEC) 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 ISEC 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.

## Kentucky Museum (<https://www.wku.edu/kentuckymuseum/>)

1444 Kentucky Street  
(270) 745-2592

The Kentucky Museum has its origins in the establishment of the Kentucky Building in 1939 as a place for "Kentuckians to know Kentucky." Today, the Kentucky Museum continues this charge while increasing interdisciplinary knowledge of, appreciation, and respect for a collection representative of South Central Kentucky. As a teaching museum, we conduct research, preservation, and interpretation in a variety of fields, with special emphasis on fine, decorative, and folk arts; clothing and textiles; toys; political memorabilia; and other culturally significant items from our community.

### Mission Statement

The Kentucky Museum enhances the academic mission of Western Kentucky University and provides quality educational and cultural experiences for our campus and community.

### Vision Statement

The Kentucky Museum is a teaching museum with premier cultural collections utilized to complement, support, and challenge the academic experience. We also provide a gathering place for our campus and community to come to know and celebrate who they are as individuals and Kentuckians in the 21st century.

## Med Center Health at WKU Health Services (<http://www.wku.edu/healthservices/>)

1681 Normal Drive  
Phone: (270) 745-CARE (2273)  
Websites: <http://www.wku.edu/healthservices> (<http://www.wku.edu/healthservices/>)  
<https://medcenterhealth.org/wkuhealthservices>

WKU Health Services is your provider for comprehensive healthcare services for students, faculty and staff, brought to you by Med Center Health (<https://medcenterhealth.org/>), the largest and most comprehensive healthcare provider in Southcentral Kentucky. Located just two miles from WKU's Bowling Green campus, The Medical Center at Bowling Green, Med Center Health's flagship hospital, offers comprehensive emergency, specialty and surgical services.

At WKU Health Services, we are committed to the health and wellbeing of every WKU student, faculty and staff member. We are here to provide care for you through offering a variety of services including:

- Acute non-emergency injury treatment
- Allergy Treatments



- Annual Wellness Visits
- Biometric Screening
- Contraceptive Services
- Immunizations
- Lab work
- Medication Administration
- Mental Health Services
- Occupational Medicine
- Physical Therapy
- Pregnancy Testing
- Primary Care
- STI testing
- Telemedicine
- Women's Health Visits
- X-Ray

Through partnerships with campus-based services, WKU Health Services provides health and wellness resources to the campus community aimed at helping students stay well during their time at WKU and helping faculty, staff and their families with the care they need throughout the year.

Our providers and staff include a Physician Assistant, Nurse Practitioners, registered medical assistants, x-ray and lab technicians. We are in network with all major insurance plans, including Medicaid and Medicare. We also accept the WKU Student Health Insurance plan (<https://wku.myahpcare.com/>). If there is an out-of-network patient responsibility, the self-pay discount fee schedule can be used.

WKU Health Services allows patients the option to pay in cash for services rendered at our clinic as opposed to billing those services to insurance. Depending on the patient responsibility requirement from your health plan, a copay will be collected at the time of service.

For current hours of operation, please visit the website. Special alternate hours may apply during holiday and summer breaks. To schedule an appointment to see a healthcare provider, call (270) 745-CARE (2273).

***Patients will need their driver's license or other official form of ID and their insurance card (if available) at the time of their appointment. Insurance is not required to be seen by a healthcare provider.***

WKU Health Services is located on the south side of the WKU Bowling Green campus, near the Freshman Village with convenient access to the Topper Transit line (Ransdell Hall stop). Free parking is available for patients while they are seeing our providers (license plate number must be provided to front desk personnel).

## Military Student Services (<https://www.wku.edu/veterans/>)

military@wku.edu  
Gary Ransdell Hall 2067  
(270) 745-2180

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 [www.wku.edu/veterans/](http://www.wku.edu/veterans/) (<http://www.wku.edu/veterans/>) to discover services and programs available, a few of which are:

veterans/) to discover services and programs available, a few of which are:

- Free textbook loans to eligible students through the Textbooks For Troops program
- Discounted Tuition Rate for active duty, reserve, and National Guard members, including active-duty officers in the USPHS and NOAA.
- Federal Tuition Assistance help for all service members, from all branches.

Since 1972 WKU has provided educational opportunities on post at Ft. Knox. WKU also offers the only Veterans Upward Bound program in Kentucky, an award-winning Army ROTC, an Air Force ROTC partner school program, and so much more.

Western Kentucky University is committed to ensuring flexibility toward obtaining a degree to service members, as stated in the Higher Education Relief Opportunity for Students (HEROES) Act of 2003. Several WKU policies apply specifically as mentioned below:

- The Military Withdrawal policy permits a service member the ability to withdraw from a course or the entire schedule of classes, and receive a tuition and fee refund.
- A degree term extension is available, if needed.
- Service members may request a grade of incomplete if a relatively small amount of work is not completed, allowing an extension due to deployment.
- The Military Absence Policy for Official Military Duties and Veteran Administration Medical Appointments directs instructors to be flexible and offer accommodations for assignments missed due to official military duties or VA medical appointments.

WKU also supports and complies with the U.S. Department of Education Readmission policy ([https://www.ecfr.gov/cgi-bin/text-idx/?SID=39e00d2cf51750ff02f3872015b89388&mc=true&node=se34.3.668\\_118&rgn=di](https://www.ecfr.gov/cgi-bin/text-idx/?SID=39e00d2cf51750ff02f3872015b89388&mc=true&node=se34.3.668_118&rgn=di))

## Office of Research and Creative Activities (<https://www.wku.edu/research/>) (ORCA)

research@wku.edu  
Wetherby Administration Building 209  
(270) 745-4652

The mission of the Office of Research & Creative Activity (<https://www.wku.edu/research/>) is to provide outstanding support for the research, service, creative, and scholarly endeavors of faculty, staff, and students. Our staff is dedicated to partnering with the university community to increase external support for these activities, while ensuring compliance with federal, state, and institutional regulations.

The Office of Research & Creative Activity includes the Office of Sponsored Programs (<https://www.wku.edu/sponsoredprograms/>) and the Office of Research Integrity (<https://www.wku.edu/compliance/>).

The Office of Sponsored Programs supports faculty and staff in obtaining, negotiating, and administering all external funding awards. The Office of Research Integrity provides guidance in the protection of the rights, welfare, and security of faculty, staff, and students involved in research activities throughout the WKU campus system and supporting communities to ensure compliance with federal, state, and local requirements.

The Office of Research & Creative Activity also oversees a variety of programs and initiatives that provide support for research, creative, and other scholarly activities at WKU.

## Office of Scholar Development (<https://www.wku.edu/osd/>) (OSD)

Lindsey Houchin, Assistant Director  
osd@wku.edu

Honors College & International Center 1045  
(270) 745-5043

The Office of Scholar Development (OSD) mentors students applying for nationally competitive scholarships that fund “academic extras” beyond what’s covered in tuition, such as study abroad, research, professional experience, and more.

From first drafts to final submissions with multiple revisions in between, OSD helps students make more possible regardless of their major or means. By conceptualizing and revising the stories they tell in application essays and interviews, students better understand their strengths, interests, and purpose—and explore multiple possible pathways to that work.

We are located on the first floor of the Dixie and Peter Mahurin Honors College-International Center on Normal Street. Please email OSD at osd@wku.edu for more information or to schedule an appointment.

## Fulbright Student and Faculty Programs

### Domestic Student Contact:

Dr. Melinda Grimsley (melinda.grimsley@wku.edu)  
Office of Scholar Development  
WKU Honors College-International Center 1045  
Phone: (270) 745-5043

### International Student or Scholar Contact:

Global Learning Advising and Student Services (isss@wku.edu)  
Phone: (270) 745-4857

### Faculty Contact:

Dr. Anthony Harkins (anthony.harkins@wku.edu)  
Fine Arts Center 132  
Phone: (270) 745-3957

Fulbright student grants for study, research, or teaching abroad are available to well-qualified student applicants holding a bachelor’s degree or the equivalent before the beginning date of the grant. Selection is based on academic record, validity of the proposed study, language preparation, and personal qualifications. Interested students should contact Dr. Melinda Grimsley, Office of Scholar Development. The Fulbright international exchange of scholars provides opportunities for selected WKU and foreign university professors to teach and conduct research abroad for up to a full academic year. Interested faculty should contact Fulbright Faculty Liaison Dr. Anthony Harkins.

## Parking and Transportation Services (<https://www.wku.edu/transportation/>)

transportation@wku.edu  
578 Campbell Lane  
(270) 745-2361

A number of Parking & Transportation Services are available through this department. If parking on Main or South campuses (no requirement for regional campuses), students may choose to purchase an annual parking permit from the PTS Department, or purchase hourly parking, or daily parking through the ParkMobile app. Topper Transit provides free bus service between locations on Main Campus, South Campus and various off-campus shopping destinations. Students can monitor bus arrival times using the iWKU app. Curb-to-curb disability para-transit services and evening, on-demand ride services are also provided free and can be requested via the TransLōc app. In addition, Parking & Transportation Services offers discounted GoBG city bus passes and subsidized airport shuttle service to Nashville International Airport. Bike racks are located throughout campus.

Permits may be ordered online at [www.wku.edu/transportation](http://www.wku.edu/transportation) (<http://www.wku.edu/transportation/>). Follow PTS on Facebook, Twitter, YouTube and Instagram.

## Police Department (<https://www.wku.edu/police/>)

wkupolice@wku.edu  
Parking Structure 1  
(270) 745-COPS (2677)  
(270) 745-2548  
Emergency Number 911

Western Kentucky University Police department is committed to building and fostering partnerships through community policing across campus and in the Bowling Green-Warren County area. We believe our relationships with the community reduce crime and enhances the quality of life for students, faculty, staff and guests. Our police department is accredited through the Kentucky Association of Chiefs of Police (KACP) and is committed to providing quality service to the WKU community and its guest.

Our mission is to create a safe, interactive environment that is conducive to learning. We are dedicated to building strong relationships across campus and within the local community to ensure that WKU students, faculty, staff and visitors feel safe, secure, and informed. We seek to accomplish this mission by strengthening relationships within the community, developing and evaluating effective responses to identified problems, and maintaining order.

## Restaurant Group (<https://www.wku.edu/wkurg/>)

wkurg@wku.edu (:wkurg@wku.edu)  
Downing Student Union 1045  
(270) 745-2416

WKU Restaurant Group offers a wide variety of dining options...many that will fit your wants and needs. We offer economical and convenient Meal Plans for all students. For additional information or to sign up for a Meal Plan or Dining Dollars account, visit the Restaurant Group (<https://www.wku.edu/wkurg/>), stop by our office in Downing Student Union Room 1045 or call (270) 745-2416.

### Top of the Hill

- **DaVinci’s in Snell Hall** – A Panera Bread style restaurant, DaVinci’s offers muffins, wraps, bagels and hot bagel breakfast sandwiches each morning; easy for the student that is on the go. The lunch menu

includes a wide variety of soups, salads, gourmet chips, signature selection sandwiches and wraps made to order. The original menu provides a diverse selection of convenient ready-to-go salads and sandwiches, making it especially well-suited for customers on a tight schedule. The options at DaVinci's are available for breakfast and lunch as well as for a mid-morning or afternoon snack. Located in Snell Hall.

#### WKU Commons at Helm Library

- **Eiffel Pizza** – Offers French inspired pizza in many exciting ways such as brisket pizza and chicken bacon ranch pizza along with the classic's: cheese and pepperoni. They also offer zesty wings in buffalo, barbeque, and jerk chicken flavors! Get the best smashburger and fries in town at Eiffel Pizza too!
- **Moe's Southwest Grill** – Welcome to Moe's! A Mexican restaurant with a Southwest twist. Every hour, we cook all-natural proteins on the grill. And every day, our seasonal salsas and pico de gallo are freshly made in house.
- **Panda Express** – Panda Express features Mandarin and Szechwan wok-cooked entrées. Entrées include favorites like broccoli beef, orange chicken, and Kung pao chicken.
- **Road Trip America** – featuring hand breaded chicken tenders, sandwiches and sides.
- **Rising Roll** – offers unique gourmet sandwiches, salads, soups and breakfast dishes made from the freshest ingredients right in our restaurant every day.
- **Spencer's Coffee** – Spencer's has been southcentral Kentucky's destination for world-class coffee and espresso drinks. But coffee is only the beginning. We specialize in all things tasty, including handmade breakfast and scratch pastries. This is a local favorite for a quick, delicious lunch - we start with simple recipes, made with great ingredients.

#### Center of Campus

- **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** – Offers a delicious variety of foot long and 6-inch sandwiches, salads and wraps that are made with a wide assortment of meats, cheeses, vegetables and toppings. All Subway sandwiches are made on freshly baked bread and are prepared right before your eyes, just the way you like it.
- **Fresh Food Company** – Providing our guests with the highest quality foods prepared right before your eyes, The Fresh Food Company offers one of the most exciting dining experiences on campus. It features authentic upscale foods from 'mini-restaurants' – Deli, Dessert, Home, Mongolian Grille, Oven, The Produce Market, Sauté and Simple Selections. Our chefs are ready to serve you a changing menu of specialties including daily vegan/vegetarian options, home-style comfort foods, hand-tossed pizza, made-to-order pasta, a full salad bar, deli offerings, fresh whole fruits and gluten friendly items just to name a few. Simple Selections is an allergen-conscious food station, vegan/vegetarian friendly, Gluten and dairy-free options, items made from scratch and is intended for everyone eating in Fresh Food Company. The Fresh Food Company is a great place to get what you crave and

catch up with your friends. Continuous dining from 7 a.m. to 8 p.m. most nights! Located on the Downing Student Union first floor.

- **DSU Food Court** – Whether you're in the mood for a burger, chicken or pizza, the DSU Food Court has something for everyone. Papa John's, Steak 'n Shake and Chick-fil-A are all conveniently located in the heart of campus.
- **RedZone** – WKU's sports themed restaurant, RedZone has something for everyone from wings, nachos and amazing queso to salads and sandwiches. No matter what you are craving you can find it here! Located on the DSU first floor behind the DSU Food Court.
- **Burrito Bowl** – Authentic. International. Bold. Located in the Downing Student Union, Burrito Bowl is one of the hippest restaurants on campus! Whether you are health-conscious or you want to try food from around the world, Burrito Bowl has you covered!
- **Starbucks** – Starbucks is one of the hottest spots on campus! Enjoy one of the famous coffee beverages, teas, pastries or sandwiches any time throughout the day. Located on the Downing Student Union first floor.

#### Bottom of the Hill

- **Einstein Bros. Bagels** – with its generous selection of freshly-baked bagels, bagel sandwiches and premium gourmet coffee, as well as, made to order sandwiches, salads, fresh fruit, blended drinks and healthy snacks, this popular brand provides a pleasant start to the day or an afternoon break from the campus routine. Located in Jody Richards Hall.
- **The Den by Denny's** – This is a place with a vibe. Where you step right up to the counter and order from a wide array of items. The menu is breakfast all-day, plus sandwiches, burritos, salad – all made the way we eat today. Saucy, spicy, slightly unruly, proudly old-school. (Hand mixed shakes, anyone?) This is "The Den". Located next to Pearce Ford Tower.
- **Pit Stop Convenience Store** – Offers a variety of everyday essentials for snacks on the go or for your room. Located next to Pearce Ford Tower.

#### First Year Village – Regents Hall

- **The Spread – Wicked Good Subs** – Our chef-inspired signature subs are infused with our epic house-made spreads, toasted to perfection and finished your way. Our subs are bold, fierce, simple.... wicked good.
- **Java City** – Java City offers a high-quality, beverages from signature drinks to Cold brew and Nitro coffee, teas and smoothies. Also offered are food offerings to capture all morning and afternoon dayparts including premium snacks and pastries. 100% of Java City coffee & espresso is Rainforest Alliance certified, ensuring that farms and cooperatives that meet rigorous standards for environmental conservation as well as social responsibility and fair labor practices.

## Student Accessibility Resource Center (<https://www.wku.edu/sarc/>) (SARC)

sarc.connect@wku.edu

Downing Student Union 1074

(270) 745-5004 or TDD (270) 745-3030

Students with disabilities sometimes need assistance to ensure an adequate academic and social environment while attending the University. This assistance is usually provided through the Student Accessibility Resource Center (SARC). SARC coordinates its activities

through individual faculty members, other campus offices, and public agencies. Students with disabilities receive accommodations specific to their individual disability and/or impairment. These accommodations may include: note takers, testing accommodations, alternative text formats, priority in academic advising/registering, etc. Particular attention relates to assuring accessibility in classroom, laboratory, housing, distant learning, and online environments. Interpreting and captioning services are available for Deaf and Hard-of-Hearing students. If a student with a disability has concerns or needs before they attend the University, if they need accommodations while participating in university services/activities, or if any concerns arise while they are enrolled on campus, they are encouraged to contact the SARC office. Both consultation and technical assistance are available.

## Student Activities (<https://www.wku.edu/sao/>)

Downing Student Union 2059  
(270) 745-2459

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 Government 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 Success maintain 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 (<https://www.wku.edu/studentconduct/student-code-of-conduct.php>) are outlined in this catalog and in the WKU Student Handbook (<https://www.wku.edu/handbook/>). 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.

## Dero Downing Student Union (<https://www.wku.edu/dsu/>)

[dsu.operations@wku.edu](mailto:dsu.operations@wku.edu)  
Downing Student Union 1053  
(270) 745-5793

The Downing Student Union is truly the crossroads of WKU! Located on the ground floor are The WKU Store, Postal Services, & The Passport Office. On first floor, visitors will find the Downing Student Union Operations Office, Fresh Food Company, the Food Court, The Red Zone, Starbucks, Burrito Bowl, Student Accessibility Resource Center (SARC), administrative offices for the WKU Restaurant Group, a Study Lounge, the Recreation Room, Nite Class Multipurpose venue, and a 633-

seat Auditorium. Located on the second floor are the Office of the Dean of Students, The Advising and Career Development Center, Transfer Center, Student Government Association (SGA), Office for Student Activities, The Intercultural Student Engagement Center (ISEC), The Gallery, The Pride Center, the Spirit Masters Office, and the ID Center. And, the third floor has various sizes of meeting and multipurpose rooms. To reserve space in the Union please visit [www.wku.edu/dsu](http://www.wku.edu/dsu). (<https://www.wku.edu/dsu/>)

### Lost and Found

The Downing Student Union Operations Office maintains campus-wide lost and found. A valid picture ID must be provided to claim an item.

## Campus Activities Board (CAB)

The WKU Campus Activities Board (<https://www.wku.edu/cab/>) (CAB) seeks to enrich the educational experience of students at WKU through the support of the overall mission of Western Kentucky University by offering a wide range of cocurricular experiences for students. Through these experiences, the Campus Activities Board strives to bring students together to enhance student involvement and create a campus atmosphere that addresses student needs outside of the classroom. In addition, CAB seeks to provide opportunities for group collaboration with other campus organizations, as well as opportunities for professional growth.

## Leadership and Volunteerism

The Leadership and Volunteerism office provides a variety of opportunities to students that allow them to engage in developmental activities. This office engages students in numerous service projects including Midnight on the Hill for St. Jude's Hospital. Alternative Spring Breaks, Red Cross blood drives, and Student United Way.

### Dynamic Leadership Institute (DLI)

WKU students are invited to apply for admission to 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, DSU 2059.

### 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.

## Registered 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 (<https://www.wku.edu/studentorgs/>), ranging from departmental, campus ministries, general clubs, honor societies, intramural recreation, professional, service, student representative and Greek life (fraternity and sorority).

## Student Government Association (SGA)

The Student Government Association (<https://www.wku.edu/sga/>) of Western Kentucky University represents and advocates for the entire WKU student body. Whether campus safety, college affordability, campus sustainability, campus inclusion, or other endeavors, SGA is committed

to advancing WKU as the best and most welcoming university it can possibly be on behalf of all Hilltoppers.

## Suzanne Vitale Clinical Education Complex (<https://www.wku.edu/wkucec/>) (CEC)

Dr. Christina Noel, Interim Executive Director  
cec@wku.edu  
104 Alumni Avenue  
(270) 745-4232

The Clinical Education Complex (CEC) at WKU houses the Family Resource Program, the Kelly Autism Program, the Renshaw Early Childhood Center and the Speech & Language Intervention Program. 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:

### Speech Language Intervention Program (SLIP)

The Speech Language Intervention Program (SLIP) at the Suzanne Vitale Clinical Education Complex (CEC) provides assessment and treatment services to address communication needs across various domains, including speech, language, pragmatics, fluency, and voice. Evaluation, treatment, and consultative services are offered to CEC participants.

### Vickie and Dan Renshaw Early Childhood Center

The Renshaw Early Childhood Center (RECC) provides early learning and intervention services to children of all abilities, ages 15 months through kindergarten entry, in inclusive group settings. As a part of the early learning program, the RECC provides field experiences and mentoring for university students in early childhood education, special education, communication disorders, nursing and other related fields. The RECC also serves a center for research and collaboration with university and community partners and stakeholders. For more information, call (270) 745-2773.

### Family Resource Program

The (Family Resource Program) FRP is the nucleus of the CEC and is the first point of contact. The program supports families as a source of information, referral, and service in all CEC areas. Phone (270) 745-4232.

### Kelly Autism Program

#### Kelly Autism program Prime Time

KAP Prime Time provides programming 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, and executive functioning in group afterschool environments. For more information, call (270) 745-4232.

#### Kelly Autism Program-Circle of Support

The Kelly Autism Program at WKU has created the Circle of Support, a program that offers seven areas of assistance specifically designed to address the challenges faced by students with autism spectrum disorder (ASD) and to increase their success on campus.

The major areas of assistance provided by KAP Circle of Support include: private residence hall rooms, study tables, mentoring, socials, mental health counseling, weekly advisor meetings and vocational planning services. For more information please email [circleofsupport@wku.edu](mailto:circleofsupport@wku.edu) or visit the website at <https://www.wku.edu/kapcircleofsupport/>.

## University Libraries (<https://www.wku.edu/library/>)

Joshua Vossler, Dean  
Cravens Library, Office 101  
270-745-2904

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

The University Libraries serves as a regional lighthouse by:

#### Creating Environments

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

#### Connecting People

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

#### Collaborating with All

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

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

## WKU Mail Services (<https://www.wku.edu/postal/>)

College Heights Post Office (U.S. Postal Service)  
Downing Student Union, Ground Floor  
(270) 745-3093

The College Heights Post Office is open 8:30 a.m. to 4:30 p.m., Monday through Friday. This full-service U.S. Post Office offers passport services (<https://www.wku.edu/passport/>), fax services, mailbox rentals, and packaging items. WKU Mail Services provides collection and distribution of campus mail, as well as delivery and processing of incoming and outgoing U.S. Mail.

## **WKU Store (<https://www.wku.edu/wkustore/>)**

Downing Student Union, Ground Floor  
(270) 745-2466

The WKU Store, voted BG's best place for WKU Gear, is the official stop for Hilltopper shoppers. WKU students receive their required course materials (textbooks and digital content) for the first day of class at the affordable rate of \$24 per credit hour through the Big Red Backpack program. To learn more about how the program works please visit: <https://www.wku.edu/bigredbackpack/>. The store is an Apple authorized seller featuring Macbooks, iMacs, iPads and accessories as well as Dell and other brands. The WKU Store is also the only place where students can bill textbooks and supplies to their University Bill at the beginning of each Fall and Spring term.

Visit the Main Campus Store on the ground floor of Downing Student Union. Thanks for shopping your WKU Store!

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## Campus Directory

The complete WKU Campus Directory (<https://acsapps.wku.edu/pls/prod/dirpkg.prompt/>) includes contact information for students, faculty, staff, and departments.

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## Accounting (ACCT)

### ACCT 401G 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 301 with a minimum grade of C  
*Recent Term(s) Offered: fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

### ACCT 410G Critical Thinking in Managerial Accounting 3 Hours

An exploration of advanced topics in managerial and cost accounting with an emphasis on enhancing student skills in data analysis, data analysis tools such as Excel, critical thinking, and decision-making. Additionally, graduate students will be required to complete a comprehensive semester-long data analytics project involving analysis, judgment, critical thinking, and written communication.

**Prerequisite(s):** ACCT 310 with a minimum grade of C  
*Recent Term(s) Offered: fall 2024*

### ACCT 412G Data Analysis for Accounting 3 Hours

This course provides an enhancement of the data analysis tools/techniques used in the accounting profession. Being the second accounting information systems course, coverage includes information system risks, security, and controls, as well as an enhanced coverage of spreadsheet, database, and data analytic tools. Additionally, graduate students taking ACCT 412G will study the Information Systems and Controls (ISC) sectional subjects of the CPA exam.

**Prerequisite(s):** ACCT 312 with a minimum grade of C  
*Recent Term(s) Offered: fall 2024*

### ACCT 420G Governmental and Not For Profit Accounting 3 Hours

Provide 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  
*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

### ACCT 431G Federal Taxation - Business Entities 3 Hours

Further the student's understanding and knowledge of the federal income tax structure as it applies to partnerships and corporations. Other specialized area 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  
*Recent Term(s) Offered: spring 2022; spring 2023; fall 2023; spring 2024; fall 2024*

### ACCT 500 Advanced Financial Accounting and Reporting 3 Hours

An overview of financial accounting and reporting topics found in today's complex business environment. Emphasis is placed on identifying issues, researching the authoritative literature, and communicating the analyses and results.

**Prerequisite(s):** ACCT 303 with a minimum grade of C  
*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

### ACCT 510 Advanced Accounting Information Systems and Data Analytics 3 Hours

Provides an overview of theory and applications of accounting information systems, concepts and knowledge of internal controls, as well as standards and guidelines of information systems.

**Prerequisite(s):** (ACCT 312 with a minimum grade of C or ACCT 450 with a minimum grade of C)  
*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

### ACCT 520 Special Topics in Managerial Accounting 3 Hours

Study of cost and accounting information used by managers within the organization for planning and control. Topics include decision analysis, strategic costing, budgeting, strategic control systems, performance evaluation, behavioral and motivational issues, strategic role of accounting in the organization, and compensation. Emphasis is placed on critical thinking and case analysis.

**Prerequisite(s):** ACCT 310 with a minimum grade of C or equivalent  
*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

### ACCT 530 Special Topics in Tax Research and Planning 3 Hours

Provides tools necessary for skillful application of tax research methodology in the use of primary tax authority, secondary tax reference materials, and research aids. Identification, understanding, and evaluation of tax planning opportunities, related tax policy issues including multi-jurisdictional issues, ethical guidelines, Circular 230 and Statements on Responsibilities in Tax Practice.

**Prerequisite(s):** ACCT 430 with a minimum grade of C or equivalent  
*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**ACCT 540 Advanced Auditing Standards, Applications and Fraud 3 Hours**

Study of auditing standards including international auditing standards, risk assessment, analytical procedures, the ethical and legal environment of auditing, audit memos, fraud risks in audits, and other forensic auditing topics.

**Prerequisite(s):** ACCT 450 with a minimum grade of C or equivalent  
*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**ACCT 550 Special Topics in Accounting for Not-For-Profit Organizations and Governments 3 Hours**

Study of current topics in accounting for not-for-profit organizations and governments. Topics may include college and university accounting, health care accounting, voluntary health and welfare accounting, other nonprofit accounting, federal government accounting, managerial accounting for state and local governmental units, and federal financial assistance auditing.

**Prerequisite(s):** ACCT 303 with a minimum grade of C  
*Recent Term(s) Offered: None*

## Adult Education (ADED)

**ADED 510 Introduction to Facilitating Change in Adults 3 Hours**

Introduction to the concepts and theories of adult learning, change theory, and improvement science. In this course, students will analyze theories in adult learning, identify change theory and change agency, and improvement science, and demonstrate conceptual understanding of overlap between these theories for individuals, organizations, and community/society.

*Recent Term(s) Offered: winter 2022; summer 2022; winter 2023; winter 2024*

**ADED 515 How Adults Change 3 Hours**

Examines the process of change that occurs in adults through learning and development. Models of adult development and adult learning will be explored as it relates to the process of change within individuals, organizations, and communities/society.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**ADED 520 Facilitating Change Agency in Adults 3 Hours**

Aids students in developing skills to facilitate change in adults using adult education methods. The course will focus on identifying the intersection of change models with facilitation models. Practical applications will cover establishing goals, objectives, learning design, learning activities, and outcomes assessment.

**Prerequisite(s):** ADED 515  
*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**ADED 530 Program Planning for Adults and Learning Organizations 3 Hours**

Guides students through the process of developing and delivering a program for adult learners and organizational change. Students will be exposed to practical aspects of program design, program delivery, assessment, and evaluation. Focus will be on the role program planning has in facilitating change within organizations and the community/society.

**Prerequisite(s):** ADED 510 (may be taken concurrently)  
*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**ADED 540 History and Philosophy of Change Agency in Adults 3 Hours**

Enables students to compare and contrast philosophical perspectives on change agency, through the review of historical change agency figures, leading to one's own philosophy. Philosophy and history of adult education in the United States. Covers history of adult education from the colonial period to today. Includes major philosophies that guide adult education. Ties together the efforts of change agents as they worked to create change in individuals, organizations, and community/society through adult education.

**Prerequisite(s):** ADED 510 (may be taken concurrently)  
*Recent Term(s) Offered: None*

**ADED 590 Practicum in Adult Education 1-3 Hours**

Supervised practical experience related to adult education studies. Note: Completion of 18 hrs in MAE Adult Education including all core courses except capstone required.

**Prerequisite(s):** permission of instructor  
**Restriction(s):** Enrollment is limited to students in Adult Education (047)  
*Recent Term(s) Offered: spring 2022*

**ADED 597 Directed Study in Adult Education 3 Hours**

Directed study related to best practices in adult education. Requires completion of research or applied project on approved topic. Note: Completion of least 21 hrs in program including all core requirements required.

**Prerequisite(s):** permission of instructor  
**Restriction(s):** Enrollment is limited to students in Adult Education (047)  
*Recent Term(s) Offered: None*

**ADED 598 Adult Education Seminar 3 Hours**

Issues in the field of adult education. Topics will vary with faculty and student interest.

**Prerequisite(s):** ADED 510  
*Recent Term(s) Offered: None*

**ADED 599 Thesis Research and Writing 1-6 Hours (repeatable max of 6 hrs)**

Independent research on a topic related to Adult Education.

**Prerequisite(s):** permission of instructor  
**Restriction(s):** Enrollment is limited to students in Adult Education (047)  
*Recent Term(s) Offered: None*

**ADED 600 Maintaining Matriculation 1-6 Hours (repeatable max of 6 hrs)**

One to six hours for ADED students needing to maintain matriculation.

**Prerequisite(s):** permission of instructor  
*Recent Term(s) Offered: spring 2022; summer 2022*

## Advertising (AD)

**AD 536 Sport Branding: A New Game 3 Hours**

Focused on developing and delivering a meaningful brand message to increase sport fan loyalty and engagement. Topics include team-branding, athletes as brands, globalization, and digital technologies.

**Prerequisite(s):** RSA 521 (may be taken concurrently)  
*Recent Term(s) Offered: fall 2022*

**AD 537 Sport Sponsorships: New Revenue Strategies 3 Hours**  
Provides a strategic framework for understanding sport information management and preparation by focusing on the relationship among sport organizations, spokespeople, and media.

**Prerequisite(s):** RSA 521 (may be taken concurrently)  
*Recent Term(s) Offered: spring 2022; spring 2023*

## African-American Studies (AFAM)

**AFAM 480G Independent Study in African American Studies 1-3 Hours**  
(repeatable max of 9 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.

**Prerequisite(s):** AFAM 190 or permission of instructor  
*Recent Term(s) Offered: None*

**AFAM 490G African American Seminar 3 Hours** (repeatable max of 9 hrs)

Designed primarily for advanced students. This seminar will include topics dealing with the African American, present or past.

**Prerequisite(s):** AFAM 190 or permission of instructor  
*Recent Term(s) Offered: None*

## Agricultural Economics (AGEC)

**AGEC 463G Agricultural Finance 3 Hours**

Farm finance problems including capital requirements, investment decisions, budgeting techniques, etc. Lending agencies and alternative means of acquiring capital.

**Prerequisite(s):** AGECE 361 or permission of instructor  
*Recent Term(s) Offered: fall 2022; spring 2023; spring 2024*

**AGEC 468G World Food Development 3 Hours**

Problems and opportunities in feeding an ever-increasing population. Assessment of world food production, poverty, businesses and cultures; ways of increasing production.

*Recent Term(s) Offered: spring 2022*

**AGEC 561 Agricultural Production and Economics 3 Hours**

Production and cost functions, programming and decision-making principles and their application to agriculture.

*Recent Term(s) Offered: spring 2023*

**AGEC 671 Advanced Agribusiness 3 Hours**

Economic principles, marketing, management, and accounting techniques necessary for a profit-maximizing agribusiness venture. Students will follow steps of the disciplined entrepreneurship process to create an agribusiness venture. Comprehensive strategic planning for new or existing agribusinesses.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**AGEC 675 Advanced Topics Agricultural Economics 3 Hours**

No course description is available

*Recent Term(s) Offered: None*

## Agricultural Education (AGED)

**AGED 570 Methods of Teaching in Agriculture Education 3 Hours**

Experiences related to the teaching of agriculture education, further preparing the prospective teacher in supervised occupational experience programs. Topics covered include FFA activities, classroom management, and general teaching techniques. Departments of Agriculture in other institutions are occasionally visited.

*Recent Term(s) Offered: None*

**AGED 571 Organization and Planning in Agricultural Education 3 Hours**

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.

*Recent Term(s) Offered: None*

**AGED 575 Topics in Agriculture Education 1-3 Hours** (repeatable max of 6 hrs)

Special topics acquaint students with scientific developments of current interest in agricultural education. Appropriate topics are assigned.

Lecture and assignments vary with credit.

*Recent Term(s) Offered: None*

**AGED 583 Curriculum Development/Agriculture Education 3 Hours**

This course will introduce students to the principles and practices of curriculum development in agricultural education. Students will learn how to develop and implement comprehensive agricultural education curriculum units and lesson plans, use a variety of instructional strategies and technologies to deliver agricultural education curriculum, and collaborate with other educators, agricultural professionals, and community members to develop and implement agricultural education programs.

*Recent Term(s) Offered: fall 2024*

**AGED 584 Program Development/Agriculture Education 3 Hours**

Covers planning, conducting, and following through instructional programs for secondary, post-secondary, and/or adult students. Provide students with a foundational understanding of the principles and theories of program development. This includes examining different models of program development, as well as the specific needs and challenges of developing programs in agricultural education.

*Recent Term(s) Offered: None*

**AGED 589 Ind Spec Prob Agriculture Education 1-3 Hours** (repeatable max of 6 hrs)

Supervised individual study in agricultural education.

*Recent Term(s) Offered: None*

**AGED 675 Advanced Topics in Agriculture Education 1-3 Hours**

Advanced topics in agricultural education objectives should be designed to prepare students for careers in agricultural education, research, and extension, as well as for leadership roles in the agricultural industry and community.

*Recent Term(s) Offered: fall 2023*

## Agriculture - General (AGRI)

### AGRI 491G Data Analysis and Interpretation 3 Hours

Statistical models and use of samples, variation, statistical measures, distributions, tests of significance, analysis of variance, regression, correlation and chi-square as related to interpretation and use of scientific data.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

### AGRI 493G 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 or related areas required.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022; spring 2023*

### AGRI 528 Population Genetics 3 Hours

Application of genetic and statistical concepts to populations of plants and domestic animals.

**Prerequisite(s):** BIOL 327 and (AGRI 491 or equivalent)

*Recent Term(s) Offered: spring 2022*

### AGRI 590 Experimental Design 3 Hours

Statistical consideration in experimental design; covariance, multiple regression, factorial design, and incomplete block designs.

**Prerequisite(s):** AGRI 491 or permission of instructor

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

### AGRI 597 Independent Special Problems/Agriculture 1-3 Hours

(repeatable max of 9 hrs)

Supervised individual study in agriculture.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022; fall 2022; summer 2023; fall 2023; summer 2024; fall 2024*

### AGRI 598 Seminar 1 Hour (repeatable max of 3 hrs)

Problems and research in agriculture. Required of all graduate students.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

### AGRI 599 Thesis Research/Writing 1-6 Hours (repeatable max of 6 hrs)

Thesis research and writing directed by faculty committee.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; fall 2024*

### AGRI 600 Maintaining Matriculation 1-6 Hours (repeatable max of 6 hrs)

Continued enrollment for thesis completion.

*Recent Term(s) Offered: spring 2023; fall 2023; spring 2024; summer 2024; fall 2024*

### AGRI 675 Advanced Topics/Agriculture 1-3 Hours (repeatable max of 10 hrs)

Issues and scientific developments of current interest.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

## Agronomy (AGRO)

### AGRO 420G Forage Crops 2 Hours

Distribution, improvement, morphology, culture, harvesting and utilization of forage crops are presented.

**Prerequisite(s):** AGRO 110 and AGRO 350 and BIOL 120

**Corequisite(s):** AGRO 421G

*Recent Term(s) Offered: spring 2024*

### AGRO 421G Forage Crops Laboratory 1 Hour

A laboratory course correlated with AGRO 420G.

**Corequisite(s):** AGRO 420G

*Recent Term(s) Offered: spring 2024*

### AGRO 457G Soil Form/Class/Map 2 Hours

Soil origin; classification schemes; profile description, mapping and interpretation of soil survey information are discussed, emphasizing Kentucky soils.

**Prerequisite(s):** AGRO 350

**Corequisite(s):** AGRO 458G

*Recent Term(s) Offered: fall 2023*

### AGRO 458G Soil Form/Class/Map Lab 1 Hour

A laboratory course correlated with AGRO 457G.

**Corequisite(s):** AGRO 457G

*Recent Term(s) Offered: fall 2023*

### AGRO 475G Topics Agronomy 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.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2023*

### AGRO 509 Weed Science 2 Hours

Identification of prominent weed species; relationship of weeds to crop production problems; physical and chemical control measures.

**Prerequisite(s):** BIOL 120 and AGRO 110 and (CHEM 105 and CHEM 107) or equivalent

**Corequisite(s):** AGRO 510

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

### AGRO 510 Weed Science Laboratory 1 Hour

A laboratory course correlated with AGRO 509.

**Corequisite(s):** AGRO 509

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

### AGRO 521 Pasture Management 3 Hours

Development of pastures, physiological principles related to forage production, pasture management, and preservation and use of conserved forages.

**Prerequisite(s):** (AGRO 420 and AGRO 421) and (ANSC 448 or permission of instructor)

*Recent Term(s) Offered: None*

### AGRO 522 Field Crops 3 Hours

Distribution, morphology, culture, phenology, harvest and utilization of field crops are presented.

**Prerequisite(s):** AGRO 110 and AGRO 350 and BIOL 120

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**AGRO 552 Soil Microbiology 3 Hours**

Soil microbial populations and systems and their influence on plant nutrition. Soil organic matter, its decomposition and associated microorganisms; oxidation-reduction process; nitrogen fixation.

**Prerequisite(s):** AGRO 350 and BIOL 207 and BIOL 208

*Recent Term(s) Offered: spring 2023*

**AGRO 554 Soil Management & Conservation 3 Hours**

Economic utilization of land for agricultural recreation and public purposes; interpretation and application of soil conservation; public and industrial uses; practice in designing land-use maps.

**Prerequisite(s):** AGRO 350

*Recent Term(s) Offered: spring 2022*

## Animal Science (ANSC)

**ANSC 437G Physiology/Reproduction 2 Hours**

Endocrinology and physiology of reproductive systems; anatomical physiology and biochemical bases of reproduction, artificial insemination, synchronized estrus and related topics are presented.

**Prerequisite(s):** BIOL 120

**Corequisite(s):** ANSC 438G

*Recent Term(s) Offered: fall 2022; fall 2024*

**ANSC 438G Physiology/Reproduction Lab 1 Hour**

A laboratory course correlated with ANSC 437G. Laboratory, two hours.

**Corequisite(s):** ANSC 437G

*Recent Term(s) Offered: fall 2022; fall 2024*

**ANSC 446G Animal Breeding 2 Hours**

Application of genetic and statistical principles of breeding and improvements of farm animals; the role of selection in changing populations; the effects of different mating systems upon improvement of farm animals are investigated.

**Prerequisite(s):** ANSC 140 and BIOL 120

**Corequisite(s):** ANSC 447G

*Recent Term(s) Offered: None*

**ANSC 447G Animal Breeding Lab 1 Hour**

A laboratory course correlated with ANSC 446.

**Corequisite(s):** ANSC 446G

*Recent Term(s) Offered: None*

**ANSC 448G Animal Feeds and Feeding Practices 4 Hours**

Livestock feeds and their nutrients; functions of and requirements for nutrients; evaluation of feeds; feeding practices and formulation of rations for all classes of livestock are included.

**Prerequisite(s):** ANSC 345 or permission of instructor

*Recent Term(s) Offered: spring 2022*

**ANSC 475G Selected Topics 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.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022; fall 2022*

**ANSC 533 Physiology of Lactation 3 Hours**

Anatomy of the mammary gland, hormonal control of mammogenesis, initiation and maintenance of milk secretion, factors affecting level and composition of milk, synthesis of milk.

**Prerequisite(s):** ANSC 344

*Recent Term(s) Offered: None*

**ANSC 545 Ruminant Nutrition 3 Hours**

Rumen development and function, products of fermentation, nutrient requirements, absorption and metabolism, symptoms of deficiency and toxicity.

**Prerequisite(s):** (ANSC 345 and BIOL 446) or equivalent or permission of instructor

*Recent Term(s) Offered: None*

**ANSC 547 Advanced Animal Nutrition 3 Hours**

The nutrient requirements of the monogastric animals, structure, metabolism and function of each nutrient class, interrelationship of the nutrient classes, deficiency and toxicity symptoms.

**Prerequisite(s):** (ANSC 345 and BIOL 446) or equivalent or permission of instructor

*Recent Term(s) Offered: None*

**ANSC 675 Advanced Topics in Animal Science 1-3 Hours** (repeatable max of 6 hrs)

Issues and scientific developments of current interest.

*Recent Term(s) Offered: fall 2022; fall 2023; spring 2024; fall 2024*

## Anthropology (ANTH)

**ANTH 432G 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.

**Prerequisite(s):** ANTH 130 or permission of instructor

*Recent Term(s) Offered: None*

**ANTH 434G Graveyard Archeology 3 Hours**

Application of archaeological methods in the documentation of historic graveyards, emphasizing legal mandates, formation processes, subsurface prospecting, remote sensing, mapping and headstone recording. Travel to field site required.

*Recent Term(s) Offered: None*

**ANTH 448G 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.

*Recent Term(s) Offered: spring 2023*

**ANTH 449G 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 448G or permission of instructor

*Recent Term(s) Offered: None*

**ANTH 493G Archaeology Stewardship 3 Hours**

Field monitoring of local archaeological sites threatened by cultural and natural formation processes. Travel to field sites required. Note: 6 additional credits in anthropology required.

**Prerequisite(s):** ANTH 130 or permission of instructor

*Recent Term(s) Offered: None*

**ANTH 495G Directed Study 1-4 Hours** (repeatable max of 8 hrs)  
Available to superior students who wish to conduct individual, intensive reading and research in 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.  
**Prerequisite(s):** permission of instructor  
*Recent Term(s) Offered: None*

## Art (ART)

**ART 401G Art of the Italian Renaissance 3 Hours**  
This course analyzes the architecture, sculpture and paintings of Italian Renaissance with an emphasis on the examination of selected examples. Graduate students will be required to display advanced research skills.  
*Recent Term(s) Offered: None*

**ART 405G Art Theory and Criticism 3 Hours**  
Major theories of art, both historical and contemporary, and various approaches to qualitative judgments about individual works of art. Graduate students will be required to display advanced research skills.  
*Recent Term(s) Offered: None*

**ART 411G Foundations of Art Education and Methods II 3 Hours**  
Provide diverse experiences related to art education theory and practice in elementary schools. Field experiences in public schools outside the regular class sessions are required. Note: Students are responsible for arranging their own transportation to designated or assigned sites.  
**Prerequisite(s):** PSY 510 (may be taken concurrently) and SPED 516 (may be taken concurrently) and (ART 311 with a minimum grade of C or equivalent) or permission of instructor  
*Recent Term(s) Offered: None*

**ART 413G Foundations of Art Education and Methods III 3 Hours**  
Long-term curriculum design, assessment, and classroom management methods, appropriate for visual arts instruction in secondary schools. Field experience is required. Note: Students are responsible for arranging their own transportation to designated or assigned sites.  
**Prerequisite(s):** ART 411G  
*Recent Term(s) Offered: None*

**ART 420G Ceramics 3 Hours**  
A continuation of production in clay form and research in experimental clay and glaze composition.  
**Prerequisite(s):** ART 321  
*Recent Term(s) Offered: None*

**ART 421G Ceramics 3 Hours**  
This course requires advanced individual performance in creative design concepts and in research and recording.  
**Prerequisite(s):** ART 420  
*Recent Term(s) Offered: None*

**ART 422G Ceramics 3 Hours**  
This course is a continuation of ART 421G.  
**Prerequisite(s):** ART 421  
*Recent Term(s) Offered: None*

**ART 440G Drawing 3 Hours**  
Advanced drawing explorations through individual problem solving.  
**Prerequisite(s):** ART 341  
*Recent Term(s) Offered: None*

**ART 450G Printmaking 3 Hours**  
Stresses advanced printmaking techniques and requires students to have strong personal imagery.  
**Prerequisite(s):** ART 351  
*Recent Term(s) Offered: None*

**ART 451G Printmaking 3 Hours**  
Printmaking exploration through research and creative activity.  
**Prerequisite(s):** ART 450  
**Corequisite(s):** ART 452G  
*Recent Term(s) Offered: None*

**ART 452G Printmaking 3 Hours**  
This course consists of advanced research problems in printmaking.  
**Corequisite(s):** ART 451G  
**Restriction(s):** Enrollment is limited to students in Visual Studies (509), Visual Arts (514), Art (BFA In Graphic Design) (515) or Art Education (516)  
*Recent Term(s) Offered: None*

**ART 460G Painting 3 Hours**  
Research problems in selected painting materials are provided in this course.  
**Prerequisite(s):** ART 361  
*Recent Term(s) Offered: None*

**ART 461G Painting 3 Hours**  
This course consists of advanced individual research problems in painting.  
**Prerequisite(s):** ART 460  
*Recent Term(s) Offered: None*

**ART 462G Painting 3 Hours**  
This course is a continuation of ART 461G.  
**Prerequisite(s):** ART 461  
*Recent Term(s) Offered: None*

**ART 470G Sculpture 3 Hours**  
Sculptural problems. Introduction to metal casting using sand molds.  
**Prerequisite(s):** ART 371  
*Recent Term(s) Offered: None*

**ART 471G Sculpture 3 Hours**  
Sculptural problems. Introduction to the lost-wax method of casting.  
**Prerequisite(s):** ART 371 and ART 372  
*Recent Term(s) Offered: None*

**ART 472G Sculpture 3 Hours**  
Experience in solving problems met in professional practice.  
**Prerequisite(s):** ART 471  
*Recent Term(s) Offered: None*

**ART 480G 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  
*Recent Term(s) Offered: None*

**ART 481G Weaving 3 Hours**  
This course provides for the development of special creative problems involving techniques investigated in ART 480.  
**Prerequisite(s):** ART 480  
*Recent Term(s) Offered: None*

**ART 482G Weaving 3 Hours**

This course involves advanced individual research in weaving.

**Prerequisite(s):** ART 481

*Recent Term(s) Offered: None*

**ART 490G Special Problems 3-6 Hours**

Independent course work done on an individual basis under the guidance of a selected faculty member.

*Recent Term(s) Offered: summer 2022*

**ART 491G Special Studies 3 Hours**

Independent course work done on an individual basis under the guidance of a selected faculty member.

*Recent Term(s) Offered: None*

**ART 496G Studio Art Topic 3 Hours** (repeatable max of 6 hrs)

Investigates different topics in art through process or technique in a studio practice.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: summer 2024*

**ART 511 Independent Investigation/Art Education 3 Hours**

Independent study in art curriculum and methodology, with emphasis on the literature, selected art history, and studio areas.

*Recent Term(s) Offered: None*

**ART 512 Independent Investigation/Art Education 3 Hours**

Independent study in art curriculum and methodology (including art history and studio). Emphasizes the use of surveys, observations, and experimental techniques.

*Recent Term(s) Offered: None*

**ART 520 Ceramic Art 3 Hours**

Advanced levels of clay forming techniques and clay glaze composition. Research in various phases of the ceramic process.

*Recent Term(s) Offered: None*

**ART 540 Drawing 3 Hours**

Independent study utilizing traditional methods of drawing. Students are encouraged to investigate and utilize new directions.

*Recent Term(s) Offered: None*

**ART 550 Printmaking 3 Hours**

Independent study utilizing traditional methods of printmaking. Encourages the exploration of new directions in personal expression.

*Recent Term(s) Offered: spring 2022*

**ART 560 Painting 3 Hours** (repeatable max of 9 hrs)

Advanced aspects of painting, with emphasis on experimentation in different styles and on individualized approaches.

*Recent Term(s) Offered: None*

**ART 570 Sculpture 3 Hours**

Independent study and experimentation in sculpture.

*Recent Term(s) Offered: None*

**ART 580 Weaving 3 Hours**

Individual study of weaving utilizing traditional and experimental techniques: the production of works that are highly individualistic and are of exhibition quality.

*Recent Term(s) Offered: None*

**ART 590 Workshop in Arts and Humanities Education 3 Hours**

(repeatable max of 6 hrs)

Integrated arts and humanities curriculum development in P-12 settings.

*Recent Term(s) Offered: fall 2022; fall 2023*

**ART 591 Investigation/Art History 3 Hours**

Topics and approaches for special areas of interest. Emphasis on the traditional periods of art history.

*Recent Term(s) Offered: summer 2022*

**ART 599 Thesis Research/Writing 1-6 Hours** (repeatable max of 6 hrs)

Thesis research and writing directed by faculty committee.

*Recent Term(s) Offered: None*

**ART 600 Maintaining Matriculation 1-6 Hours** (repeatable max of 6 hrs)

Continued enrollment for thesis completion.

*Recent Term(s) Offered: None*

## Astronomy (ASTR)

**ASTR 405G Astronomy for Teachers 3 Hours**

Selected topics in astronomy for elementary and secondary teachers.

*Recent Term(s) Offered: None*

## Biology (BIOL)

**BIOL 403G 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 will be integrated into the course to engage students in understanding the societal implications of cancer.

*Recent Term(s) Offered: summer 2024*

**BIOL 404G Electron Microscopy 4 Hours**

A course in the fundamentals of electron microscopy including basic theory, techniques for specimen preparation and photography, and operation of the electron microscope. Lecture, two hours; laboratory, four hours.

*Recent Term(s) Offered: fall 2022*

**BIOL 407G Virology 3 Hours**

Study of bacterial, animal and plant viruses. Emphasis on the molecular aspects of replication, expression, regulation and pathogenesis.

*Recent Term(s) Offered: summer 2022*

**BIOL 411G 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.

*Recent Term(s) Offered: spring 2022; summer 2022; spring 2023; summer 2023; winter 2024; spring 2024; summer 2024*

**BIOL 412G Lab Cell Biology 1 Hour**

A laboratory course correlated with BIOL 411G.

*Recent Term(s) Offered: spring 2023; spring 2024*

**BIOL 446G Biochemistry I 3 Hours**

Biochemical compounds and their role in metabolism.

*Recent Term(s) Offered: winter 2022; spring 2022; fall 2022; spring 2023; fall 2024*

**BIOL 447G Lab Biochemistry I 2 Hours**

Selected experiments which illustrate biochemical principles. Five hours per week.

*Recent Term(s) Offered: fall 2022; fall 2024*

**BIOL 450G 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. Laboratory, six hours.

*Recent Term(s) Offered: None*

**BIOL 456G Ichthyology 4 Hours**

Fishes of the world, their physiology, structure, behavior, and ecology. Emphasis on the collection and identification of freshwater species of Kentucky. Lecture, two hours; laboratory, four hours.

*Recent Term(s) Offered: None*

**BIOL 457G Herpetology 4 Hours**

An introduction to the classification and biology of reptiles and amphibians.

*Recent Term(s) Offered: spring 2022; spring 2024*

**BIOL 458G 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 are required.

*Recent Term(s) Offered: fall 2024*

**BIOL 459G Mammalogy 3 Hours**

Taxonomy, life history and ecology of the mammals. Laboratory work includes field studies and collection and study of specimens. Lecture two hours; laboratory two hours.

*Recent Term(s) Offered: spring 2023*

**BIOL 464G Endocrinology 3 Hours**

Endocrinology is the study of hormones. This course will provide a general survey of endocrinology, with specific emphasis upon the physiology of the endocrine system among different vertebrate groups, including humans.

*Recent Term(s) Offered: fall 2023*

**BIOL 467G Biochemistry II 3 Hours**

The reactions of living systems and an introduction to the mechanisms and energetics of metabolism. Lecture.

*Recent Term(s) Offered: spring 2023*

**BIOL 470G Pathogenic Microbiology 4 Hours**

A study of the organisms causing disease with emphasis on bacteria. Includes pathogenic bacteria, viruses, rickettsiae, fungi and protozoa. Lecture, two hours; laboratory, four hours.

*Recent Term(s) Offered: spring 2022; spring 2024*

**BIOL 485G Field Biology 1-4 Hours**

An intensive field experience on a biological or ecological topic.

*Recent Term(s) Offered: None*

**BIOL 490G Plants as Alternative Therapeutics 3 Hours**

An exploration of plants used in traditional systems of medicine with emphasis on their pharmacological implications as evidenced in modern clinical research. The therapeutic actions of phytochemicals, vis-a-vis different human illnesses (cardiovascular, gastrointestinal, respiratory, autoimmune psychosomatic disorders; cancer, AIDS, skin diseases, etc.) will be examined.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**BIOL 495G Molecular Genetics 3 Hours**

A study of the molecular basis of genetics and heredity of prokaryotic and eukaryotic organisms.

*Recent Term(s) Offered: summer 2022; fall 2022; summer 2023; fall 2023; fall 2024*

**BIOL 496G Plant Biotechnology 4 Hours**

A course designed to illustrate the current advances in plant biotechnology and their potential application in agriculture, health and environment.

*Recent Term(s) Offered: None*

**BIOL 497G Aquatic Field Ecology 4 Hours**

An integrated study of aquatic ecosystem structure and function emphasizing the physical and chemical properties of water and application of biological field methods. This course requires off-campus travel.

*Recent Term(s) Offered: summer 2022; fall 2022; summer 2024; fall 2024*

**BIOL 500 Introduction to Graduate Studies and Research in Biology 3 Hours**

Introduction to research techniques and experimental design, with an emphasis on on-going research at WKU. Also includes an introduction to research-related resources at WKU.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**BIOL 501 Biological Perspectives 3-4 Hours**

Designed to acquaint graduate students with advances in the biological sciences and practical applications of biological principles. Lecture, three hours; or lecture, three hours, laboratory, two hours.

*Recent Term(s) Offered: fall 2024*

**BIOL 503 Contemporary Research in Biology 1 Hour (repeatable max of 3 hrs)**

Participants will present a research article on a topic of their choice to the class. A critical appraisal of the research approach, methods, results, and interpretation of results will be stressed. Requires participation in critical discussions of all presentations.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**BIOL 505 Aquatic Insect Ecology 3 Hours**

Ecological functions, evolutionary adaptations, and indicators of environmental quality of aquatic insects.

*Recent Term(s) Offered: fall 2023*

**BIOL 515 Advanced Ecology 3 Hours**

Essential dynamic features of plant and animal populations. Covers the theoretical and empirical aspects of single populations, or pairs of interacting populations, and of whole communities.

*Recent Term(s) Offered: spring 2023*



**BIOL 516 Investigations/Biology 1-4 Hours** (repeatable max of 4 hrs)  
Research project completed under faculty supervision. Not applicable to MS thesis option. Note: Permission of research project director required.  
*Recent Term(s) Offered:* spring 2022; summer 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024

**BIOL 518 Population Ecology 2 Hours**  
Investigation of the theories and models used to describe and predict populations. Includes applications in population projection and harvesting, as well as two-species interactions.  
*Recent Term(s) Offered:* spring 2022

**BIOL 519 International Wildlife Management and Policy 2 Hours**  
Exploration of the major wildlife management models used in various countries, emphasizing North America, Europe and Africa. Economic ramifications of these models and international treaty obligations relating to the wildlife trade are investigated.  
*Recent Term(s) Offered:* winter 2022

**BIOL 522 Biological Systematics 3 Hours**  
Study of systematic theory and practice with a focus on current controversies. Taxonomic methods will be evaluated with an emphasis upon the use of taxonomic tools to reconstruct evolutionary relationships.  
*Recent Term(s) Offered:* spring 2022; spring 2024

**BIOL 523 Biological Symbioses and Host-Parasite Associations 3 Hours**  
Exploration of biological symbioses, emphasizing patterns and processes of biological coevolution. Host-parasite systems are explored in detail, with a focus on classic and current coevolutionary and cospeciation systems.  
*Recent Term(s) Offered:* fall 2022; fall 2024

**BIOL 524 Evolution and Ecological Genetics 3 Hours**  
Advanced treatment of natural selection as a mechanism of evolution. Interaction of ecological, behavioral and genetic systems in driving evolutionary change at various levels of organization is emphasized.  
*Recent Term(s) Offered:* spring 2022; spring 2024

**BIOL 525 Advanced Insect Biodiversity 3 Hours**  
This course examines the diversity of one of the most fascinating groups of organisms on the planet- the insects. Their evolution, basic structure, and growth are covered as well as lifestyles, particularly in groups with unusual behaviors or effects on humans.  
**Restriction(s):** Enrollment is limited to students in Biology (056)  
*Recent Term(s) Offered:* summer 2023; fall 2023

**BIOL 526 Physiological Ecology 3 Hours**  
Study of the physiological adaptations of organisms that enhance their survival and/or permit them to exploit extreme environments.  
*Recent Term(s) Offered:* None

**BIOL 527 Advanced Vertebrate Functional Morphology 3 Hours**  
Examine mechanistic designs underlying organismal morphology, physiology driving designs, and behaviors that impact function. Topics include comparative anatomy, adaptation, ecomorphology, ecophysiology, biological application of mechanical engineering principles, and organismal performance.  
*Recent Term(s) Offered:* fall 2023

**BIOL 532 Behavioral Ecology 3 Hours**  
An investigation of animals in reference to their evolution and interactions with others emphasizing behavior related to their survival and reproduction in a natural context.  
*Recent Term(s) Offered:* summer 2022; fall 2023

**BIOL 533 Behavioral Ecology Laboratory 2 Hours**  
A field and laboratory investigation of the methodology to study the actions of animals in reference to their evolution, environment and interactions with other organisms.  
*Recent Term(s) Offered:* None

**BIOL 534 Chemical Ecology 3 Hours**  
The study of chemical ecology emphasizes the concepts and evolution of chemical signals, the methods for identification, the mechanisms by which such signals act, their functions and applications.  
*Recent Term(s) Offered:* spring 2023

**BIOL 535 Analytical Biochemistry 3 Hours**  
An overview of the science of modern analytical and instrumental techniques with particular emphasis on techniques relevant to measurements in biochemistry and biology.  
**Prerequisite(s):** (CHEM 446G or CHEM 446) or (BIOL 446G or BIOL 446) or permission of instructor  
**Equivalent(s):** CHEM 535  
*Recent Term(s) Offered:* spring 2023; winter 2024

**BIOL 543 Environmental Science Concepts 3 Hours**  
Explores the inter-relationship among the science and technical disciplines that contribute to our understanding of the environment as a whole. Introduces research methods and core environmental science concepts. Prepares students to examine environmental science questions with an interdisciplinary outlook.  
*Recent Term(s) Offered:* fall 2022

**BIOL 545 Animal Communication 3 Hours**  
An investigation of the principles and mechanisms by which animals produce and receive signals for each sensory modality (sound detection, vision, chemoreception, and electroreception).  
*Recent Term(s) Offered:* winter 2022; winter 2023; winter 2024

**BIOL 560 Advanced Cell Biology 3 Hours**  
Lecture-discussion course designed to understand structure and function of differentiated cells of multicellular organisms. Textbook readings, review articles and current research papers will be incorporated into lectures and discussions.  
*Recent Term(s) Offered:* winter 2022; summer 2022; fall 2023; summer 2024

**BIOL 562 Advanced Biochemistry 3 Hours**  
Survey of biochemical research areas where significant advances have been made in recent years. Textbook readings, review articles and current research papers will be incorporated into lectures and discussions.  
**Equivalent(s):** CHEM 562  
*Recent Term(s) Offered:* None

**BIOL 566 Advanced Molecular Genetics 3 Hours**  
Consideration of the molecular mechanisms for replication, gene expression and regulation of development.  
*Recent Term(s) Offered:* None

**BIOL 568 Advanced Microbiology 3 Hours**

Study of microbial metabolic and genetic diversity, phylogeny and evolution, and ecology, including a consideration of research methodologies applicable to microorganisms. Lecture, three hours; laboratory, two hours.

*Recent Term(s) Offered: fall 2022*

**BIOL 569 Professional Work/Career Experience in Biology 1-3 Hours** (repeatable max of 3 hrs)

Practical experience in a supervised work situation with a cooperative business, industry, non-governmental, or governmental agency, emphasizing application of advanced knowledge and skills in specified areas of biology.

*Recent Term(s) Offered: None*

**BIOL 570 Advanced Immunology 3 Hours**

Cellular, biochemical, and molecular mechanisms of the immune response of multicellular organisms. Emphasis is on current scientific literature in the field.

*Recent Term(s) Offered: None*

**BIOL 575 Independent Advanced Topics/Biology 1-3 Hours** (repeatable max of 6 hrs)

Selected topics in Biology.

*Recent Term(s) Offered: fall 2024*

**BIOL 577 Advanced 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.

*Recent Term(s) Offered: spring 2024; fall 2024*

**BIOL 579 Mechanistic Toxicology 3 Hours**

A course that examines how toxic substances interact with living organisms, while integrating aspects of biochemistry, anatomy and physiology, ecology, and health. Emphasis is placed on the effects of xenobiotics on human systems, particularly the mechanisms of action, detoxification and adverse effects on target organs.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**BIOL 582 Biometry 3 Hours**

Application of statistical and techniques to problems in biological sciences. Emphasis is placed on hypothesis testing, use of linear models, randomization techniques, and non-parametric methods.

*Recent Term(s) Offered: fall 2022; spring 2023; fall 2024*

**BIOL 598 Graduate Seminar 2 Hours**

Oral presentation on selected topics in biology.

*Recent Term(s) Offered: spring 2022; fall 2022; winter 2023; spring 2023; fall 2023; spring 2024; fall 2024*

**BIOL 599 Thesis Research/Writing 1-6 Hours** (repeatable max of 9 hrs)

Thesis research and writing directed by faculty committee.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**BIOL 600 Maintaining Matriculation 1-6 Hours** (repeatable max of 6 hrs)

Continued enrollment for thesis completion.

*Recent Term(s) Offered: summer 2023*

## Brewing and Distilling Arts & Sciences (BDAS)

**BDAS 500 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: None*

**BDAS 595 Brewing/Distilling Internship 3-6 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.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

## Business Administration (BA)

**NOTE: BA courses offered through the Online MBA program may include higher course fees.**

**BA 500 Management Dynamics 3 Hours**

An introduction to organizational analysis and to the understanding and management of behavior in organizations.

**Prerequisite(s):** COBA Course Eligibility with a score of 5

*Recent Term(s) Offered: None*

**BA 501 Survey of Economic Theory 3 Hours**

An overview of basic concepts in micro and macroeconomics. Topics include price and output decisions, cost concepts, aggregate income, the price level, and related areas.

**Prerequisite(s):** COBA Course Eligibility with a score of 5

**Equivalent(s):** ECON 501

*Recent Term(s) Offered: None*

**BA 502 MBA Foundation Modules 4.5 Hours**

Preparatory course covering the eight foundational areas required to take courses in the MBA program. Course is offered in a self-paced, online independent learning format. Note: Approval through MBA office required.

*Recent Term(s) Offered: None*

**BA 503 Information Systems and Decision Science 3 Hours**

A survey of management information systems concepts and decision science theory. Emphasis on using information systems and decision support models to enhance managerial decision making.

**Prerequisite(s):** COBA Course Eligibility with a score of 5

*Recent Term(s) Offered: None*

**BA 504 MBA Foundation Modules Pt 1 1.5 Hour**

Preparatory course (first of a three part series) of the foundational areas in the MBA program. Course is offered in a self-paced, online independent learning format.

*Recent Term(s) Offered: None*

**BA 505 Survey of Accounting Principles 3 Hours**

Concepts and principles governing financial and managerial accounting. Emphasis on issues associated with the preparation and interpretation of information presented in external financial statements. Includes an introduction to management's use of internally generated accounting information.

**Prerequisite(s):** COBA Course Eligibility with a score of 5

*Recent Term(s) Offered: None*

**BA 506 MBA Foundation Modules Pt 2 1.5 Hour**

Preparatory course (second of a three part series) of the foundational areas in the MBA program. Course is offered in a self-paced, online independent learning format.

*Recent Term(s) Offered: None*

**BA 508 MBA Foundation Modules Pt 3 1.5 Hour**

Preparatory course (third of a three part series) of the foundational areas in the MBA program. Course is offered in a self-paced, online independent learning format.

*Recent Term(s) Offered: None*

**BA 510 Advanced Organizational Behavior 3 Hours**

Contemporary theory and research on organizational structure and design that has relevance for practical problems of designing and managing organizations.

*Recent Term(s) Offered: winter 2022; spring 2022; summer 2022; fall 2022; winter 2023; spring 2023; summer 2023; fall 2023; winter 2024; spring 2024; summer 2024; fall 2024*

**BA 511 Applied Micro Economic Theory 3 Hours**

Fundamental concepts of firm analysis, public policy, and individual decisions. Critical thinking applied to topics like supply and demand, revenue and costs, pricing, and information and uncertainty.

**Equivalent(s):** ECON 502

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**BA 512 Business Analysis and Research Methods 3 Hours**

An applications-oriented course designed to help students envision, design, conduct, interpret, and report statistically oriented analyses applicable to managerial decision making. Topics such as the design of data generation, modeling, regression, process control and evaluation, and survey errors will be covered.

**Prerequisite(s):** COBA Course Eligibility with a score of 6

*Recent Term(s) Offered: None*

**BA 513 Contemporary Business Analytics 3 Hours**

This course examines contemporary concepts and methods used to analyze business problems and scenarios. Course topics will include the administration of data analytics, and will utilize a variety of analytic techniques and visualization tools to improve the decision process and enhance business value.

**Equivalent(s):** BDAN 513

*Recent Term(s) Offered: winter 2022; spring 2022; summer 2022; fall 2022; winter 2023; spring 2023; summer 2023; fall 2023; winter 2024; spring 2024; summer 2024; fall 2024*

**BA 515 Managerial Accounting 3 Hours**

A review of the managerial accounting concepts and techniques used by managers in planning, performance evaluation, and decision making. Emphasis on the application of concepts and techniques in the analysis of cases.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**BA 517 Advanced Marketing 3 Hours**

Analysis and application of marketing principles, policies, and operations. Course focuses on marketing strategy and planning, the identification of marketing problems, the development of solutions, and ethical decision-making.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**BA 518 Contemporary Issues in Sales 3 Hours**

In this advanced sales course you will learn about the role of the salesperson, the steps and stages of selling, how to ask questions in any context in a logical, sequential matter, and demonstration of all elements of the selling process by applying this skills in a sales plan.

*Recent Term(s) Offered: fall 2024*

**BA 519 Advanced Managerial Finance 3 Hours**

How corporate entities make investment, financing, and dividend decisions maximizing shareholder wealth. Case studies and critical thinking on topics like corporate governance/ethics, shareholder analysis, and risk and return.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**BA 520 Critical Thinking and Business Ethics 3 Hours**

A study of contemporary ethical issues facing leaders. Emphasis is placed on examining analyzing issues for sound solutions from a variety of perspectives, some grounded in business, some grounded in the Liberal Arts. Students will examine ideas and cases from the business world and gain practice in the application of a variety of approaches to problem solving. Additionally, the responsibilities of business corporations and executives to shareholders and other constituencies will be explored.

**Restriction(s):** Enrollment is limited to students in Business Administration (057) or Organizational Leadership (1723)

*Recent Term(s) Offered: spring 2024; fall 2024*

**BA 521 Market Research and Consumer Insights 3 Hours**

This course prepares marketing managers to design, gather, analyze, and use research to make marketing strategy decisions. This is an applied course where participants will execute a marketing research project from start to finish, with exposure to problem formation, research design, data collection and analysis, the interpretation and presentation of results, and data-driven recommendations.

*Recent Term(s) Offered: fall 2024*

**BA 522 Digital Marketing Strategies 3 Hours**

This course will review the fundamentals of digital marketing, the importance and benefits of including digital strategies within an overall marketing plan, and will enhance student knowledge of tools and strategies including search engine optimization, social media marketing, web design, advertising and email marketing, mobile marketing, and digital marketing analytics.

*Recent Term(s) Offered: None*

**BA 540 Applied Statistical Methods 3 Hours**

Introduction to applied statistics for decision making and research including analysis of variance, process control, experimental design, regression, and forecasting, as well as useful software and data sources.

**Prerequisite(s):** COBA Course Eligibility with a score of 5

**Equivalent(s):** ECON 506

*Recent Term(s) Offered: None*

**BA 542 International Economics 3 Hours**

Survey of trade theory and evidence, status and effects of tariffs and other trade restrictions, and balance of payment issues.

**Prerequisite(s):** COBA Course Eligibility with a score of 6

*Recent Term(s) Offered: None*

**BA 543 Forecasting 3 Hours**

Methods of forecasting changes in the U.S. economy and other economic units. Emphasis on application and evaluation of different techniques.

**Prerequisite(s):** COBA Course Eligibility with a score of 6 and (BA 540 or ECON 506)

**Equivalent(s):** ECON 594

*Recent Term(s) Offered: None*

**BA 544 Labor and Human Resources Economics 3 Hours**

Study of static and dynamic models of labor demand, supply, and human capital investment.

**Prerequisite(s):** COBA Course Eligibility with a score of 6

**Equivalent(s):** ECON 595

*Recent Term(s) Offered: None*

**BA 545 Survey of Business Sustainability Issues 3 Hours**

Survey course exploring the definition of and key issues concerning business sustainability. Provides overview of regulations regarding issues of sustainability as applied to business organizations. Introduces international standards and other global issues of sustainability which affect businesses. Explores compliance approaches, important metrics and best practices businesses use in addressing sustainability issues. Discussion of political, environmental, other pressures surrounding these issues especially as related to current and future standards, regulations, and best business practices. Corporate social responsibility.

*Recent Term(s) Offered: spring 2022*

**BA 546 Sustainable Business Operations Management 3 Hours**

Exploration and development of sustainable operations management. Students will be introduced to operations management with designing, planning, development, organizing and delivery of products and services. Students will be introduced to frameworks and analytical tools to optimize key decisions in designing and managing operational processes. The course will include a value chain perspective for the integration of sustainability measures.

*Recent Term(s) Offered: spring 2022; fall 2023; summer 2024; fall 2024*

**BA 547 Sustainability, Innovation, and Entrepreneurship 3 Hours**

An examination of the impact of sustainability on global forces that are restructuring the world economy and driving opportunities for related new entrepreneurial ventures in that context.

*Recent Term(s) Offered: spring 2022*

**BA 548 Sustainability Marketing 3 Hours**

This course integrates marketing fundamentals with the environmental, social, and economic principles of sustainability. In this course, students analyze current sustainability trends that influence marketing applications and the influences of marketing on sustainability trends.

*Recent Term(s) Offered: spring 2022; fall 2022*

**BA 551 Investments and Portfolio Management 3 Hours**

A comprehensive examination of investment opportunities with emphasis on the risk-return relationships, economic and market forces affecting financial markets, security valuation and analysis, and portfolio formation and management.

**Prerequisite(s):** COBA Course Eligibility with a score of 6

**Restriction(s):** Enrollment is limited to students in Business Administration (057)

*Recent Term(s) Offered: None*

**BA 552 International Financial Management 3 Hours**

The focus of the course is on financial decision making in the international context. Topics covered include environment of international financial management, foreign exchange risk management, foreign investment analysis, financing foreign operations, and international tax management.

*Recent Term(s) Offered: None*

**BA 555 Strategic Leadership 3 Hours**

This course is designed to improve understanding of strategic planning, implementation, and performance measurements in contemporary organizations. Students will explore the tools, techniques, benefits and limitations of strategic planning and management in the context of contemporary organizations, the role of organizational leaders as a key player in strategic management, managing stakeholders, assessing the organizational capacities as well as the external environments, and identifying adoption strategies. Emphasis will be placed on strategic initiatives, change management, and leading through change in contemporary organizations.

*Recent Term(s) Offered: spring 2024; summer 2024*

**BA 556 Leading Innovation, Creativity and Change 3 Hours**

This course is geared towards developing a better understanding of the challenges, techniques, burden, and successes associated with initiating and implementing major changes within organizations. Therefore, the objective of the course is to prepare leaders to meet the challenges of organizational change. The theoretical concepts and practice of leading change in organizational, community, political and social action/social movement contexts are examined. Explicitly links theoretical concepts, models and processes of leadership and change with the intended purpose of change and its resulting outcomes.

*Recent Term(s) Offered: summer 2024*

**BA 560 Contemporary Human Resources Management 3 Hours**

An advance course focusing on the current critical issues of human resource management. Includes discussions on recruitment and selection techniques, performance appraisals, training and development, compensation, labor relations, occupational safety, and employee rights.

*Recent Term(s) Offered: fall 2023; spring 2024; summer 2024; fall 2024*

**BA 571 Services Marketing 3 Hours**

Focuses on the marketing of intangible products by discussing strategic implications for marketing mixes (product, price, place, and promotion) and consumer perceptions and expectations.

**Prerequisite(s):** COBA Course Eligibility with a score of 6

*Recent Term(s) Offered: None*

**BA 573 International Business 3 Hours**

Institutions, organizations, and procedures of international business. Emphasizes problems and decision-making techniques.

*Recent Term(s) Offered: None*

**BA 579 Supply Chain Management 3 Hours**

Integrates an organization's operations planning and control with suppliers and distributors through sharing information, managerial and technical talents.

*Recent Term(s) Offered: summer 2022; fall 2022; summer 2023; fall 2023; summer 2024; fall 2024*

**BA 580 Contemporary Issues in Business 1-3 Hours (repeatable max of 6 hrs)**

Emphasizes issues pertinent to an understanding of today's business environment. Topics embrace the cross-functional, global, and technical aspects of business.

*Recent Term(s) Offered: spring 2023*

**BA 583 Procurement Management 3 Hours**

Examines procurement processes and decision making frameworks. Topics addressed include: inter-dependencies with other corporate functions; purchasing cycles; development of material and technical specifications; supplier selection, relationship management, and evaluation; supplier quality management and improvement activities; capital goods and services purchases; global sourcing; and procurement tools and analytics.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024; summer 2024*

**BA 584 Supply Chain Analytics 3 Hours**

Examines the design, development, and utilization of decision models for the supply chain. Topics addressed include supply chain network design, analytical models, challenges, and data-based solutions. Descriptive, predictive, and prescriptive data analytics techniques will be applied to business cases and decision making situations.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**BA 590 Strategic Business Concepts and Applications 3 Hours**

Concepts and business strategies focusing on viewing the organization as an integrated whole. Use of Integrated Management Exercises (IMEs) involving student teams working on a business simulation or actual business project aimed at challenges and opportunities facing a business.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**BA 592 Special Topics in Business 3 Hours (repeatable max of 9 hrs)**

Emphasizes special topics in business.

**Prerequisite(s):** COBA Course Eligibility with a score of 6

*Recent Term(s) Offered: None*

**BA 595 Internship for MBA 1-3 Hours (repeatable max of 3 hrs)**

Supervised work situation with cooperating business, industry, social or governmental agency, emphasizing the application of advanced knowledge, research, and skills in a specific field of business. Note: Requires the approval of the MBA Advisor

*Recent Term(s) Offered: spring 2023*

**BA 596A GFCB Graduate Certificate Assessment - Supply Chain Management 0 Hours**

This course tracks the student skills attainment summary and artifacts for Gordon Ford College of Business graduate certificate programs.

*Recent Term(s) Offered: fall 2024*

**BA 596B GFCB Graduate Certificate Assessment - Enterprise Management 0 Hours**

This course tracks the student skills attainment summary and artifacts for Gordon Ford College of Business graduate certificate programs.

*Recent Term(s) Offered: fall 2024*

**BA 596C GFCB Graduate Certificate Assessment - Executive Decision Making 0 Hours**

This course tracks the student skills attainment summary and artifacts for Gordon Ford College of Business graduate certificate programs.

*Recent Term(s) Offered: fall 2024*

**BA 597 MBA Portfolio 0 Hours**

This course tracks the student skills attainment summary and artifacts for Gordon Ford College of Business graduate certificate programs.

*Recent Term(s) Offered: fall 2023; spring 2024; summer 2024; fall 2024*

**BA 753 Current Topics in Organizational Behavior 3 Hours**

This seminar course extends the material introduced in Leadership 710. Students will examine the many principles of human behavior that effective leaders use when leading individuals and groups in organizations. Current research relating to individual differences in abilities and attitudes, attribution, motivation, group dynamics, power and politics, conflict resolution, organizational culture, and organizational structure and design will be examined.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)

*Recent Term(s) Offered: None*

**BA 754 Budgeting and Financial Decision Making 3 Hours**

This course is designed to improve understanding of strategic planning, implementation, and performance measurements in public and nonprofit organizations. Although they have been adopted from a business sector model, strategic planning and management have become the standard practice of public and nonprofit organizations as a critical tool to reinvent, restructure, and transform the traditional ways of doing business.

Students will explore the benefits and limitations of strategic planning and management in the context of public and nonprofit organizations, the role of organizational leaders as a key player in strategic management, managing stakeholders, assessing the organizational capacities as well as the external environments, and identifying the adopting strategies.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)

*Recent Term(s) Offered: None*

## Business Data Analytics (BDAN)

**BDAN 513 Contemporary Business Analytics 3 Hours**

This course examines contemporary concepts and methods used to analyze business problems and scenarios. Course topics will include the administration of data analytics, and will utilize a variety of analytic techniques and visualization tools to improve the decision process and enhance business value.

**Equivalent(s):** BA 513

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; winter 2023; spring 2023; summer 2023; fall 2023; winter 2024; spring 2024; summer 2024; fall 2024*

**BDAN 515 Data Management 3 Hours**

This course examines the development, administration, and utilization of large databases and database management systems. Coverage includes: on-premise and cloud-based data warehousing, best practices for Data ETL (extraction, transformation, and loading) to ensure data integrity and quality, and managing the data acquisition, data conditioning, and data storage processes.

**Prerequisite(s):** BDAN 513 (may be taken concurrently)

*Recent Term(s) Offered:* spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024

**BDAN 517 Predictive Analytics 3 Hours**

A study of supervised and unsupervised data mining models including the most common data analytics approaches or techniques to address business questions. Topics include data reduction, regression, classification, principal components analysis, cluster analysis, and the usage of CRISP-DM conceptual model. Emphasis is on the understanding of the capability (and limitation) of each model using data real business case studies.

**Prerequisite(s):** BDAN 513 (may be taken concurrently)

*Recent Term(s) Offered:* spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024

**BDAN 519 Visualization and Decision Making 3 Hours**

A study of data visualization for businesses by adopting the best practices in examining complex, heterogeneous big data sets, including the use of advanced techniques to conduct thorough and insightful analysis. To this end, incorporating solutions to real business problems by including the development of dashboards and metrics for decision making that support the businesses.

**Prerequisite(s):** BDAN 513 (may be taken concurrently) or BA 513

*Recent Term(s) Offered:* spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; summer 2024; fall 2024

**BDAN 596A GFCB Grad Certificate Assessment - Business Data Analytics 0 Hours**

This course tracks the student skills attainment summary and artifacts for the Data Analytics graduate certificate.

*Recent Term(s) Offered:* fall 2024

## Business Education (BE)

**BE 400G Advanced Applications Software for Business Educators 3 Hours**

Fundamentals of advanced techniques in computer software utilized by business education teachers.

*Recent Term(s) Offered:* None

**BE 463G Information Resource Management 3 Hours**

No course description is available

*Recent Term(s) Offered:* None

**BE 471G 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.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered:* None

**BE 485G 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 540 Consumer Financial Problems 3 Hours**

Basic elements of money management and the relationship of these elements to family units and corporate citizenship.

*Recent Term(s) Offered:* None

**BE 544 Current Problems in Business Education 3 Hours (repeatable max of 6 hrs)**

Current problems and significant research. Also offered as independent study or workshop.

*Recent Term(s) Offered:* None

**BE 545 Principles of Business Education 3 Hours**

Principles, practices, problems, and philosophy includes standards, guidance, and curricula.

*Recent Term(s) Offered:* None

**BE 575 Administration and Supervision in Business Education 3 Hours**

Roles and functions of administration and supervision at all educational levels. Includes vocational education laws and their relationship to business education.

*Recent Term(s) Offered:* None

## Chemistry (CHEM)

**CHEM 420G Inorganic Chemistry 3 Hours**

Atomic and molecular structure, bonding theory, ionic substances, electron deficient compounds, acid-base theory and coordination chemistry.

*Recent Term(s) Offered:* spring 2022; spring 2023; spring 2024

**CHEM 421G Inorganic Chemistry Laboratory 1 Hour**

A laboratory course emphasizing the synthesis and characterization of inorganic compounds of main group and transition metals. Laboratory meets once a week for three hours.

**Corequisite(s):** CHEM 420G

*Recent Term(s) Offered:* spring 2022

**CHEM 425G Polymer Chemistry 4 Hours**

The principles of polymer chemistry. Lecture topics include molecular weights, morphology, mechanisms, kinetics, characterization, and uses of polymers by free radical and ionic methods in their characterization by thermal analysis, spectroscopy, viscometry, and chromatography.

*Recent Term(s) Offered:* None

**CHEM 430G Forensic Chemistry 3 Hours**

Methods and instrumentation used in the crime laboratory and in the medical technology laboratory. Topics include drugs, blood enzymes, organic and inorganic analysis, etc.

*Recent Term(s) Offered:* spring 2023

**CHEM 435G Instrumental Analysis 3 Hours**

Modern instrumental methods of analysis including spectroscopic, electroanalytical and chromatographic techniques.

*Recent Term(s) Offered:* fall 2022; fall 2023; fall 2024

**CHEM 446G Biochemistry 3 Hours**

A study of biochemical compounds and their role in intermediary metabolism. Special topics include biochemical energetics and coenzyme mechanisms.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; summer 2023; spring 2024; fall 2024*

**CHEM 447G Lab Biochemistry 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.

**Corequisite(s):** CHEM 446G

*Recent Term(s) Offered: None*

**CHEM 450G Physical Chemistry I 3 Hours**

A study of theoretical chemistry, including such as gaseous state, solid state, liquid state, thermodynamics, thermochemistry and phase and chemical equilibria.

*Recent Term(s) Offered: fall 2022; spring 2023; fall 2023; fall 2024*

**CHEM 451G Lab Physical Chemistry I 2 Hours**

A laboratory to accompany CHEM 450G and includes experiments on state of matter, surface phenomena, macromolecules, thermochemistry, thermodynamics and equilibria. Pre-lab lecture and laboratory meets four and one-half hours per week.

**Corequisite(s):** CHEM 450G

*Recent Term(s) Offered: None*

**CHEM 452G Physical Chemistry II 3 Hours**

A continuation of CHEM 450G including studies of kinetics, atomic and molecular structure, theory of chemical bonding, electromotive force and selected topics.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**CHEM 453G Lab Physical Chemistry II 2 Hours**

A laboratory to accompany CHEM 452G and includes experiments on chemical kinetics, spectroscopy, molecular structure, electrochemistry and mass spectroscopy. Pre-lab lecture and laboratory meets four and one-half hours per week.

**Corequisite(s):** CHEM 452G

*Recent Term(s) Offered: None*

**CHEM 462G 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.

*Recent Term(s) Offered: None*

**CHEM 467G Biochemistry 3 Hours**

A study of the reactions of living systems and an introduction to the mechanisms and energetics of metabolism.

*Recent Term(s) Offered: spring 2024*

**CHEM 470G Chemistry/Middle School 2-4 Hours**

Chemical theories and principles in the middle school science curricula. (elective credit only)

*Recent Term(s) Offered: None*

**CHEM 475G Selected Topics in Chemistry 1-3 Hours (repeatable max of 6 hrs)**

Topics in analytical, biochemical, coal, inorganic, organic, physical and polymer chemistry.

*Recent Term(s) Offered: fall 2024*

**CHEM 476G Advanced Laboratory Investigations in Chemistry 2 Hours**

A course for advanced students involving assigned laboratory work in the field of inorganic chemistry. Typical procedures and experiments are those involving the synthesis, characterization, and identification of various chemical compounds, using a variety of handling techniques, and the application of various physical methods.

*Recent Term(s) Offered: None*

**CHEM 490G Materials Chemistry 3 Hours**

A study of the three major classes of materials, metals, polymers, and ceramics. Topics discussed will include chemical composition, bonding, common chemical and physical properties, microstructures, and how processing and uses are affected by chemical and physical properties.

*Recent Term(s) Offered: None*

**CHEM 491G Materials Chemistry Laboratory 3 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.

*Recent Term(s) Offered: None*

**CHEM 516 Chemical Literature Review 1-3 Hours**

Review of chemical literature on topics of individual interest. Includes reports and proposals for further research.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**CHEM 520 Advanced Inorganic Chemistry 3 Hours**

Various aspects of coordination chemistry.

*Recent Term(s) Offered: fall 2022; fall 2024*

**CHEM 531 Advanced Analytical Chemistry 3 Hours**

Survey of selected topics in modern instrumental methods of chemical analysis. Includes instrumental techniques not covered in CHEM 435.

*Recent Term(s) Offered: spring 2022*

**CHEM 535 Analytical Biochemistry 3 Hours**

An overview of the science of modern analytical and instrumental techniques with particular emphasis on techniques relevant to measurements in biochemistry and biology.

**Prerequisite(s):** (CHEM 446G or CHEM 446) or (BIOL 446G or BIOL 446) or permission of instructor

**Equivalent(s):** BIOL 535

*Recent Term(s) Offered: spring 2023; winter 2024*

**CHEM 540 Organic Reactions 3 Hours**

An advanced discussion of organic synthesis, including modern synthetic methods used to make targeted compounds in systematic ways.

*Recent Term(s) Offered: fall 2023*

**CHEM 541 Advanced Organic Chemistry 3 Hours**

Modern physical-organic chemistry including bonding, stereochemistry, reaction mechanisms, concerted reactions, photo-chemistry, and free-radical reactions.

*Recent Term(s) Offered: spring 2023*

**CHEM 550 Advanced Physical Chemistry 3 Hours**

Covers thermodynamics, kinetics and molecular structure in preparation for graduate study or research.

*Recent Term(s) Offered: fall 2022; fall 2024*

**CHEM 560 Chemical Agents and Explosives 3 Hours**

A study of the fundamental principles of chemical agents and explosives. Review of chemical reactions associated with these chemicals including detection methods, effects on targets, modes of delivery, and methods for protecting people.

*Recent Term(s) Offered: fall 2023*

**CHEM 562 Advanced Biochemistry 3 Hours**

Survey of biochemical research areas where significant advances have been made in recent years. Textbook readings, review articles and current research papers will be incorporated into lectures and discussions.

**Equivalent(s):** BIOL 562

*Recent Term(s) Offered: fall 2023*

**CHEM 569 Internship in Chemistry 3 Hours**

Practical experience in a supervised work situation with a cooperating business, industry, or governmental agency. Emphasizes application of knowledge and skills in chemistry.

*Recent Term(s) Offered: None*

**CHEM 588 Research Proposal 2 Hours**

This course is to provide a practical graduate-level overview of research design and proposal writing in chemistry. Students will learn to identify problems/needs, review chemical literature, formulate hypotheses, and design research methodology for their thesis projects.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**CHEM 590 Material Chemistry 3 Hours**

A class describes the various materials, including metals, semiconductors and polymers. The class is focusing on understanding the relationships between the arrangement of atoms, ions, or molecules comprising materials, and its bulk structural/physical properties, as well as thermochemical properties, kinetic rates and spectroscopic properties of materials.

*Recent Term(s) Offered: spring 2024*

**CHEM 591 Material Chemistry Laboratory 3 Hours**

Laboratory course focusing on the properties of materials and how they relate to the structure of the materials. Materials studies will include metals, polymers, ceramics, composites and energetic materials, and a variety of applications will be discussed including high energy, industrial, and pharmaceutical materials. Techniques including thermal analysis, X-ray diffraction, microscopy, and mechanical testing will be employed.

*Recent Term(s) Offered: None*

**CHEM 595 Scientific Writing in Chemistry 1-6 Hours**

A course to build and enhance students' writing skills when preparing lab reports, scientific articles and other professional communications.

**Prerequisite(s):** CHEM 596 (may be taken concurrently) or permission of instructor

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2024*

**CHEM 596 Practicum Research Experience in Chemistry 1-10 Hours**

A student will work under the direction of a faculty advisor on a project proposed by the student or a project of mutual scientific interest. This research will lead to a thesis in chemistry.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2024*

**CHEM 598 Graduate Seminar 0.5 Hours** (repeatable max of 2 hrs)

Required each semester for all MS Chemistry students. Attendance is required of all full-time graduate students.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**CHEM 599 Thesis Research/Writing 1-6 Hours** (repeatable max of 6 hrs)

Thesis research and writing directed by faculty committee.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**CHEM 600 Maintaining Matriculation 1-6 Hours** (repeatable max of 6 hrs)

Continued enrollment for thesis completion.

*Recent Term(s) Offered: spring 2024*

## Communication (COMM)

**COMM 461G Organizational Communication 3 Hours**

Theoretical examination of rhetorical principles operant in modern organizational communication systems.

*Recent Term(s) Offered: None*

**COMM 501 Qualitative Methods in Communication Research 3 Hours**

Study of qualitative research designs and the procedures typically used in communication research. Includes general overview of interviewing and other qualitative research methodologies.

**Restriction(s):** Enrollment is limited to students in Organizational Communication (0012)

*Recent Term(s) Offered: fall 2022; spring 2024; fall 2024*

**COMM 502 Quantitative Methods in Communication Research 3 Hours**

Study of quantitative research designs and the procedures typically used in communication research. Includes general overview of survey, and other quantitative research methodologies along with statistical analysis using computer software.

**Restriction(s):** Enrollment is limited to students in Organizational Communication (0012)

*Recent Term(s) Offered: spring 2022*

**COMM 510 Strategies for Teaching Communication 0 Hours**

Designed to improve the teaching performance of COMM graduate assistants in teaching the basic public speaking courses.

*Recent Term(s) Offered: None*

**COMM 523 Health Communication 3 Hours**

An examination of the role communication plays in the delivery of health care. Focus is on provider-patient relationships, other providers of care, health communication campaigns, health behavior change, and within health care contexts.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**COMM 526 Family Communication 3 Hours**

Survey of research and theory in family communication.

**Equivalent(s):** COMM 578

*Recent Term(s) Offered: None*



**COMM 528 Communication in the Nonprofit Sector 3 Hours**

Survey of organizational communication issues and the ways in which they are uniquely situated in and applied to nonprofit organizations and philanthropy.

*Recent Term(s) Offered: spring 2023*

**COMM 531 Global Leadership Communication 3 Hours**

This seminar focuses on the impact of national or ethnic culture on leadership communication behaviors when leading in multi-national and/or multi-ethnic organizations.

*Recent Term(s) Offered: None*

**COMM 547 Organizational Communication Theory 3 Hours**

A survey of organizational communication theories, perspectives, methods, and current issues.

**Restriction(s):** Enrollment is limited to students in Organizational Communication (0012)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**COMM 552 Democracy, Power, & Voice in Organizations 3 Hours**

An in-depth look at the theoretical underpinnings and communication research related to participation, democracy, voice, and power in for-profit, non-profit, volunteer, and community organizations.

*Recent Term(s) Offered: None*

**COMM 553 Health Communication Campaigns 3 Hours**

Examines and analyzes the critical role communication plays in planning, implementation, and evaluation of health communication campaign.

*Recent Term(s) Offered: summer 2022; spring 2023; spring 2024*

**COMM 560 Seminar in Organizational Communication 3 Hours**

(repeatable max of 9 hrs)

Topical studies within the field of organizational communication. Topics include employee communication and conflict management, among others.

*Recent Term(s) Offered: None*

**COMM 561 Multinational Organizational Communication 3 Hours**

This course provides an in-depth study of internal and external communication behaviors in business organizations operating in multinational environments.

*Recent Term(s) Offered: spring 2023; fall 2024*

**COMM 562 Special Topics in Intercultural Communication 3 Hours**

Provides graduate students an opportunity for an in-depth study of special topics in intercultural communication. One or two topics will be chosen for study during the course. These topics will be selected by the instructor based on special availability of resources, appropriateness for current intercultural conditions, and interest of students.

*Recent Term(s) Offered: None*

**COMM 564 Crisis Communication 3 Hours**

Role of communication in crisis prevention, crisis readiness and crisis resolution.

*Recent Term(s) Offered: fall 2022*

**COMM 566 Corporate & Organizational Advocacy 3 Hours**

Historical overview of corporate and organizational advocacy in the 20th century focusing on the communication process used in corporate advocacy.

*Recent Term(s) Offered: None*

**COMM 568 Communication and Organizational Identification 3 Hours**

Survey of the phenomena of identification in organizations and how identification is constructed through communication.

*Recent Term(s) Offered: spring 2022; spring 2024*

**COMM 570 Seminar in Human Communication 3 Hours** (repeatable max of 9 hrs)

Selected topics in communication theory: small group communication, language behavior, etc.

*Recent Term(s) Offered: None*

**COMM 571 Organizational Communication in the Digital Age 3 Hours**

This course considers effective communication with technologies in organizational contexts based on foundational theories and contemporary research. It also covers the social and communicative impact of technologies on organizations and organizational members.

*Recent Term(s) Offered: spring 2022; spring 2024*

**COMM 578 Seminar in Interpersonal Communication 3 Hours**

Examination of professional literature and basic research in interpersonal communication.

*Recent Term(s) Offered: spring 2022*

**COMM 581 Applied Organizational Communication 3 Hours**

Provides opportunities for students to apply theoretical concepts to various functions of organizational communication in industry and corporate contexts.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**COMM 586 Process of Group Communication 3 Hours**

Practice in the group communication processes that lead toward successful team work in organizational contexts.

*Recent Term(s) Offered: None*

**COMM 590 Intercultural Communication 3 Hours**

A survey of intercultural communication theories, approaches, methods, and current issues.

*Recent Term(s) Offered: fall 2023; summer 2024*

**COMM 595 Independent Study in Communication 3 Hours**

Permits students to conduct individualized communication research in an area of their interest.

*Recent Term(s) Offered: spring 2022; fall 2022; fall 2023; summer 2024; fall 2024*

**COMM 596 Graduate Internship in Communication 3 Hours**

This course offers students a project-based work experience in an organization under faculty direction.

*Recent Term(s) Offered: summer 2023*

**COMM 599 Thesis Research/Writing 1-6 Hours** (repeatable max of 6 hrs)

This research and writing directed by faculty committee.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**COMM 600 Maintaining Matriculation 1-6 Hours** (repeatable max of 6 hrs)

Continued enrollment for thesis completion.

*Recent Term(s) Offered: None*

**COMM 721 Organizational Communication for Leaders 3 Hours**

Examines the communication perspectives, theories, and principles necessary to lead organizations. Considers ways to assess and improve communication processes in various organizational situations.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)

*Recent Term(s) Offered: None*

**COMM 731 Global Communication for Leaders 3 Hours**

This seminar focuses on the impact of national or ethnic culture on leadership communication behaviors when leading in multi-national and/or multi-ethnic organizations.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)

*Recent Term(s) Offered: None*

**COMM 741 Leadership and Social Trends 3 Hours**

Examines literature on current economic, political, technological, and/or social trends as they relate to leadership.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)

*Recent Term(s) Offered: None*

**COMM 751 Strategic Communication 3 Hours**

Considers the way organizational leaders use communication to influence opinions and behavior of various constituencies.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)

*Recent Term(s) Offered: None*

## Communication Disorders (CD)

**CD 486G Language Disorders 3 Hours** (repeatable max of 3 hrs)

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.

*Recent Term(s) Offered: None*

## Computer Science (CS)

**CS 405G 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 307 or MATH 310 or MATH 237) and (CS 180 or CS 146) or permission of instructor

**Equivalent(s):** MATH 405G

*Recent Term(s) Offered: fall 2022; fall 2024*

**CS 443G Database Management Systems 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: Credit will not be given for CS 443 or CS 443G once credit has been received for CS 543.

**Prerequisite(s):** CS 360 or permission of instructor

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**CS 445G 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

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**CS 446G Interactive Computer Graphics 3 Hours**

Elementary topics in interactive computer graphics. Includes both input and display devices and techniques for 2-D and 3-D transformations, as well as difficulties encountered in these areas. Computing assignments will emphasize interaction, data structures, and applications to various disciplines.

**Prerequisite(s):** MATH 307

*Recent Term(s) Offered: None*

**CS 450G 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: Credit will not be given for CS 450 or CS 450G once credit has been received for CS 550.

**Prerequisite(s):** CS 425 or permission of instructor

*Recent Term(s) Offered: None*

**CS 456G Artificial Intelligence 3 Hours**

Problems having no plausible algorithmic solution, their computer representations and solutions which usually involve heuristics.

**Prerequisite(s):** CS 360

*Recent Term(s) Offered: fall 2023*

**CS 475G Topics/Computer Science 1-3 Hours** (repeatable max of 6 hrs)

Significant problems and developments in computer science. Note: Permission of instructor required.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**CS 500 Research Methods and Projects 3 Hours**

A graduate level overview of problem-solving techniques and skills for computer-based systems including solution design and implementation. Topics include a team project to develop practical skills in documentation, communication, and module interfacing. The course may be used only in fulfilling the research tool requirement and may not be used toward an undergraduate degree in computer science.

*Recent Term(s) Offered: spring 2022; fall 2023*

**CS 530 Automata Theory and Compiler Construction 3 Hours**

The basic theoretical concepts of the computer viewed as an automaton. Automated tools for scanning and parsing will be studied to show how regular expressions and BNF languages are used in compiler construction and other computer applications.

*Recent Term(s) Offered: spring 2022; fall 2023*

**CS 535 Cloud Computing 3 Hours**

This course will provide insight on the current trends of local and public cloud computing systems. Three distinct design layers will be covered: Infrastructure-as-a-Service (IaaS), Platform-as-a-Service (PaaS), and Software-as-a-Service (SaaS). Topics include, but are not limited to, cloud computing architectures, virtual resource management, green clouds, data management, and user interface.

*Recent Term(s) Offered: fall 2024*

**CS 541 Theory of Computation 3 Hours**

An advanced study of the theory of computing, including languages, finite automata, grammars, Turing machines, complexity and computability.

**Prerequisite(s):** CS 530

*Recent Term(s) Offered: None*

**CS 543 Advanced Database Systems 3 Hours**

An advanced study of data and information management. Topics include database application development, XML data management, data storage and indexing, transaction management, parallel and distributed databases, data warehousing and decision support.

**Prerequisite(s):** CS 443 or equivalent

*Recent Term(s) Offered: summer 2023; fall 2024*

**CS 544 Compiler Theory/Design 3 Hours**

Formal properties of programming languages and the techniques used to construct compilers for these languages. Topics include lexical analysis, syntax analysis, symbol table construction, semantic analysis, code generation, and optimization. Students will complete a programming project.

**Prerequisite(s):** CS 500 and CS 530

*Recent Term(s) Offered: None*

**CS 545 Systems Programming 3 Hours**

A study of the system call interface of operating systems. Topics include low level file I/O, signal handling, interprocess communication, distributed communication, and process management. Students will write several systems level programs. The student develops a small operating system.

**Prerequisite(s):** CS 445

*Recent Term(s) Offered: None*

**CS 549 Analysis of Algorithms 3 Hours**

Methods (algorithms) for solving a variety of problems on computers and the relative efficiency of these algorithms.

*Recent Term(s) Offered: spring 2023; fall 2024*

**CS 555 Data Science 3 Hours**

An introduction to concepts and methods in the emerging field of data science. Algorithms and tools to support problem-focused data-analytic thinking.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**CS 560 Software Engineering and Project Management 3 Hours**

Survey of modern software development techniques, including traditional and agile approaches. Topics include requirement definition, process modeling, design methods, human factor issues, and an introduction to software project management. Student will be required to model a project using Unified Modeling Language.

**Prerequisite(s):** CS 360

*Recent Term(s) Offered: fall 2022; spring 2024*

**CS 562 Parallel and Distributed Computing 3 Hours**

An introduction to parallel and distributed computing. The development, implementation, and analysis of parallel algorithms will be studied.

*Recent Term(s) Offered: fall 2023*

**CS 565 Data Mining Techniques and Tools 3 Hours**

The theory and application of data mining, roots of data mining, preprocessing techniques for raw data, classification algorithms and techniques, clustering algorithms and techniques, association rule mining algorithms and techniques.

**Prerequisite(s):** CS 443G or equivalent

*Recent Term(s) Offered: fall 2022*

**CS 568 Computer Vision 3 Hours**

A study of the techniques and applications of computer vision. Topics include pattern recognition, filtering, texture, segmentation, recognition, 3D vision and case studies. Important algorithms will be implemented by students.

**Prerequisite(s):** CS 500

*Recent Term(s) Offered: spring 2023*

**CS 570 Security in Computing 3 Hours**

Essential techniques in cryptography and computer security. Privacy issues in a broad range of computing contexts. Topics include program security, trusted operating systems, database/data mining security, and network security.

**Prerequisite(s):** CS 445G or CS 450G or equivalent

*Recent Term(s) Offered: spring 2022; spring 2024*

**CS 595 Advanced Topics/Computer Science 1-3 Hours (repeatable max of 6 hrs)**

Significant problems and current developments in computer science.

Note: 9 hours of CS required.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**CS 599 Thesis Research/Writing 1-6 Hours (repeatable max of 6 hrs)**

Thesis research and writing directed by faculty committee.

*Recent Term(s) Offered: spring 2022; fall 2022; summer 2024; fall 2024*

**CS 600 Maintain Matriculation 1-6 Hours (repeatable max of 6 hrs)**

Continued enrollment for thesis completion.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; summer 2023; fall 2023; fall 2024*

## Counseling & Student Affairs (CNS)

**CNS 500 College and Career Readiness Foundations 3 Hours**

Overview of college and career readiness; roles and duties of college and career readiness helpers within the school system; and legal, ethical, standards-related issues and implications.

*Recent Term(s) Offered: summer 2022*

**CNS 501 College and Career Consultation & Collaboration 3 Hours**

Consultation models, professional collaborations, and application of concepts and skills with an emphasis on college and career readiness within school macro and micro systems.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**CNS 502 College and Career Program Development & Evaluation 3 Hours**

Program development and evaluation, with emphasis on P-16 college and career development and readiness.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**CNS 503 Practicum in College and Career Readiness 3 Hours**

Supervised experiences in college and career readiness setting(s).

**Prerequisite(s):** CNS 500 and CNS 556

*Recent Term(s) Offered: spring 2022; spring 2023*

**CNS 548 Principles and Practices 3 Hours**

Course participants will learn how to design and implement guidance, counseling, and career services at various schools levels, as well as best practices in facilitating and advancing student learning.

*Recent Term(s) Offered: fall 2022; spring 2023; fall 2023; fall 2024*

**CNS 549 Counseling and Consultation 3 Hours**

This course is designed to prepare students to lead programs and employ consultation strategies in the development and implementation of data driven school counseling programs. Students will learn leadership and school-based consultation principles, theories, skills, and models necessary to enhance the learning environment. Emphasis is placed on the role of the school counselor as a systemic change agent.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**CNS 550 Introduction to Counseling 3 Hours**

The history and overview of the counseling profession, current trends and settings for professional counselors. Professional roles and functions of school counselors are emphasized. Introduction to professional organizations, legal and ethical issues, and certification and licensure issues.

**Restriction(s):** Enrollment is limited to students in School Counseling (046)

*Recent Term(s) Offered: None*

**CNS 551 Classroom Guidance 3 Hours**

Basic guidance concepts such as encouragement, communication, self-concept, discipline, and understanding students within the classroom setting will be presented with practical approaches in working with students.

*Recent Term(s) Offered: None*

**CNS 552 Testing and Assessment in Counseling 3 Hours**

Methods, techniques, statistics, and instruments used in assessing and evaluating individuals, couples, families, and groups; administering, scoring and interpreting both objective and subjective instruments used in counseling. Survey of research design and statistics. Computer utilization in counseling and use of data in decision making.

**Restriction(s):** Enrollment is limited to students in Counseling (043), School Counseling (046), Standard Guidance - Rank I (048), Student Affairs in Higher Ed (145), Nursing (149) or Certification Only-Counseling (159)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**CNS 554 Group Counseling 3 Hours**

Dynamics of group development. Group counseling theories, leadership styles, group counseling methods and skills. Interpersonal relationships in the family system and other small group settings. (Limited class size.)

**Restriction(s):** Enrollment is limited to students in Counseling (043), School Counseling (046), Standard Guidance - Rank I (048), Psychology (092), Student Affairs in Higher Ed (145), Social Work (157), Certification Only-Counseling (159) or Addiction Counseling/Education (218)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**CNS 555 Social and Cultural Diversity in Counseling 3 Hours**

Philosophical, sociological, developmental, and emotional understanding of multicultural education and counseling as they relate to working with individuals in schools, universities, and other human service settings.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**CNS 556 Developmental Career Counseling 3 Hours**

Integrates the career counseling process into the life span from early childhood through older adulthood. Career development theories; career assessment instruments; educational resources; placement; follow up and evaluation. Interrelationships among work, marital, family, and other life roles including multicultural and gender issues.

**Restriction(s):** Enrollment is limited to students in International Student Services (0415), Counseling (043), Career Counseling (0440), School Counseling (046), Standard Guidance - Rank I (048), Student Affairs in Higher Ed (145) or Certification Only-Counseling (159)

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**CNS 557 Human and Family Development in Counseling 3 Hours**

Understanding of the nature and needs of normal and abnormal individuals in the family system at all developmental levels emphasizing moral, intellectual and ethical development. Counseling strategies in the complex developmental relationships among individuals in the family system. Counseling in the life cycle of the family.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**CNS 558 Theories of Counseling 3 Hours**

Philosophic bases of the helping processes; major contemporary counseling theories and their application in individual and group counseling and in family systems counseling.

**Restriction(s):** Enrollment is limited to students in Counseling (043), School Counseling (046), Standard Guidance - Rank I (048), Student Affairs in Higher Ed (145) or Certification Only-Counseling (159)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**CNS 559 Techniques of Counseling 3 Hours (repeatable max of 9 hrs)**

Focus on the development of basic and advanced counseling skills and procedures. Refinement of the skills needed in providing counseling intervention.

**Restriction(s):** Enrollment is limited to students in Counseling (043), School Counseling (046), Standard Guidance - Rank I (048) or Certification Only-Counseling (159)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**CNS 560 Professional Studies in Clinical, Family and School Counseling 3 Hours**

Historical, philosophical, and societal dimensions of clinical mental health counseling; marriage, couple, and family counseling; and school counseling. Legal and ethical issues and professional identity in counseling.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**CNS 562 Counseling Adolescents 3 Hours**

Theories and techniques of developmental counseling with the teenage population.

*Recent Term(s) Offered: None*

**CNS 567 Mental Health Diagnosis and Treatment in Counseling 3 Hours**

The identification, treatment plans and referral procedures for emotional concerns across the life span in the mental health counseling field. Principles of etiology, diagnosis, treatment planning and prevention of mental and emotional disorders and dysfunctional behavior.

**Restriction(s):** Enrollment is limited to students in Counseling (043), Standard Guidance - Rank I (048), Certification Only-Counseling (159) or Addiction Counseling/Education (218)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**CNS 568 Counseling Children and Adolescents 3 Hours**

Theories and techniques of developmental counseling with children and adolescents. Topics include: self-concept, social skills, values, moral development, multicultural awareness, child abuse, drug abuse, wellness, and sexual development.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**CNS 569 Play Therapy 3 Hours**

Provides an overview of the essential elements and principles of play therapy including history, theories, and techniques. Assists students in understanding the development, social, cognitive, and emotional issues that impact children's behavior. Note: Admission to or completion of approved program in a helping profession or instructor permission required.

*Recent Term(s) Offered: summer 2024*

**CNS 571 Introduction to Student Affairs in Higher Education 3 Hours**

History, philosophy, and development of student services. Includes testing and counseling, financial aids, housing, admissions and records, placement, etc.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**CNS 572 The College Student Experience 3 Hours**

Characteristics and attitudes of contemporary "traditional" and "non-traditional" college students will be examined. Major topics covered will include the impact of college environments on students, current issues and concerns, and implications for delivery of student services.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**CNS 574 Student Development in Higher Education 3 Hours**

This course will examine the developmental processes that impact college students. Major topics will include a discussion of various theoretical models, sociocultural foundations, developmental program designs, and assessment techniques and implications.

**Prerequisite(s):** CNS 571 (may be taken concurrently)

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**CNS 577 Counseling Concepts and Applications for Student Affairs Professionals 3 Hours**

Basic counseling concepts and applications essential for effective student affairs practice.

**Restriction(s):** Enrollment is limited to students in Student Affairs in Higher Ed (145)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**CNS 579 Seminar in Student Affairs 3 Hours**

This research oriented, discussion course is designed to focus on current issues and practices in Student Affairs.

*Recent Term(s) Offered: fall 2023*

**CNS 581 International Students and Services in Higher Education 3 Hours**

Explores international students' needs and interests and global issues confronting higher education. Focuses on increasing student intercultural awareness as a foundation for student services (domestic and abroad) and study abroad.

*Recent Term(s) Offered: winter 2022; winter 2023; winter 2024*

**CNS 582 Sex Therapy Techniques in Counseling 3 Hours**

Counseling skills and intervention techniques for counselors in training who will be working with couples and individuals with a broad range of sexual concerns.

*Recent Term(s) Offered: None*

**CNS 583 Couples Counseling 3 Hours**

Knowledge, skills, and techniques of couples counseling.

*Recent Term(s) Offered: spring 2023*

**CNS 585 Leadership and Administration in Student Affairs 3 Hours**

Applications of student affairs leadership theory, organizational theory, administrative policy development, planning and decision-making strategies, change management, and staff selection, training, supervision and evaluation will be examined.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**CNS 586 Parenting Issues 3 Hours**

Changing roles and responsibilities of parents, child-rearing practices, diverse parenting situations and decision-making about parenthood. Changing family system and effects of family system on parenting. Provide skills in working with parents and parenting issues for both educators and counselors.

*Recent Term(s) Offered: None*

**CNS 587 Professional Mental Health Counseling Practice 3 Hours**

Professional mental health counseling practice topics including and not limited to counseling supervision, advocacy, consultation, current research, and trends in mental health counseling.

**Prerequisite(s):** CNS 560

**Restriction(s):** Enrollment is limited to students in Counseling (043)

*Recent Term(s) Offered: None*

**CNS 588 Family Systems Counseling 3 Hours**

The historical development of systems theory will orient the student to theoretical content of human interactions. Students will be helped to think systemically about human issues by focusing on the systems paradigm. Skill development in family system counseling will be developed.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**CNS 589 Group Dynamics in Student Affairs and Higher Education 3 Hours**

Principles associated with the practice of group work in student affairs and higher education settings. Emphasis on group leadership. Course includes a planned group experience.

**Prerequisite(s):** CNS 577 (may be taken concurrently) or permission of instructor

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**CNS 590 School Practicum 3 Hours (repeatable max of 6 hrs)**

Supervised experiences in a school, community college, or university setting. Note: Completion of the appropriate practice preparation sequence and departmental approval required. Note: Completion of the appropriate practice preparation sequence and departmental approval required.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**CNS 591 Clinical Mental Health/Marriage, Couple, and Family Counseling Practicum 3 Hours (repeatable max of 6 hrs)**

Supervised experiences in a mental health or marriage and family therapy setting. Note: Completion of the appropriate practice preparation sequence and departmental approval required.

**Restriction(s):** Enrollment is limited to students in Counseling (043)

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**CNS 592 Crisis, Trauma and Violence Counseling 3 Hours**

Theory and practice of crisis, trauma and violence counseling. Application of intervention and prevention strategies in individual, family and systemic crisis, violence, disaster, and trauma causing events.  
*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**CNS 593 Career Development in Student Affairs and Higher Education 3 Hours**

Career development process throughout the lifespan, emphasis on implications for student affairs and higher education. Career development theories, career assessment instruments, professional resources, decision-making models, and factors inherent to the career development process; evolving economic, political, social and technological conditions.  
*Recent Term(s) Offered: summer 2022; summer 2024*

**CNS 594 Research Methods in Student Affairs 3 Hours**

Fundamental concepts of research methodology, including both quantitative and qualitative research design as well as relevant statistical procedures and techniques. Emphasis on both evaluating and conducting research in the student affairs profession.  
*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**CNS 595 Internship 3-6 Hours** (repeatable max of 12 hrs)

Supervised experience in a school, community college, or university setting. Note: Completion of the appropriate practice preparation sequence and departmental approval required. Note: Completion of the appropriate practice preparation sequence and departmental approval required.  
*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**CNS 596 Clinical Mental Health Counseling/Marriage, Couple, and Family Counseling Internship 3-9 Hours** (repeatable max of 9 hrs)

Supervised experiences in a clinical mental health or marriage couple, and family counseling setting. Note: Completion of the appropriate practice preparation sequence and departmental approval required. Note: Completion of the appropriate practice preparation sequence and departmental approval required.

**Restriction(s):** Enrollment is limited to students in Counseling (043)  
*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**CNS 598 Research and Program Evaluation in Counseling 3 Hours**

Research designs in counseling and student affairs. Statistical methods for needs assessment and program evaluation. Action research, evidence-based practice, ethical and cultural implications.  
**Restriction(s):** Enrollment is limited to students in Counseling (043) , School Counseling (046) or Student Affairs in Higher Ed (145)  
*Recent Term(s) Offered: fall 2022; spring 2023; fall 2023; fall 2024*

**CNS 603 Critical Issues and Strategies in Student Affairs and Higher Education 3 Hours**

Contemporary issues associated with student affairs and higher education.  
**Prerequisite(s):** CNS 590  
*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**CNS 604 Resource Management in Student Affairs and Higher Education 3 Hours**

Issues related to financial and enrollment management in colleges and universities, with emphasis on the effective and efficient use of financial and human resources in fulfilling institutional missions and strategic plans.

**Prerequisite(s):** CNS 585  
*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**CNS 605 Social and Cultural Diversity in Higher Education 3 Hours**

Designed to examine the individual and organizational issues of social and cultural diversity in U.S. higher education and to focus on the development of the awareness, knowledge, and skills necessary to be a multiculturally competent student affairs/higher education practitioner.  
**Prerequisite(s):** permission of instructor  
*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**CNS 606 Marriage, Couple, and Family Counseling Practice and Process 3 Hours**

Integration of roles, settings, and professional standards of Marriage, Couple and Family Counselors with knowledge and skill development in family systems theory, assessment, intervention, and treatment.  
**Restriction(s):** Enrollment is limited to students in Counseling (043)  
*Recent Term(s) Offered: spring 2022; spring 2024*

**CNS 610 Assessment and Accountability in Student Affairs and Higher Education 3 Hours**

Fundamental concepts of comprehensive assessment in student affairs and higher education. Emphasis on program or service assessment and related budget considerations.  
*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**CNS 611 Advanced Play Therapy 3 Hours**

In-depth study of advanced principles of play therapy theories and techniques. Application of advanced knowledge of developmental, social, cognitive, and emotional issues that impact children's behavior.  
**Prerequisite(s):** CNS 569 or permission of instructor  
**Restriction(s):** Enrollment is limited to students in Counseling (043) , Psychology (092) or Social Work (157)  
*Recent Term(s) Offered: None*

**CNS 612 Expressive Arts Techniques in Counseling 3 Hours**

Introduction to a variety of expressive arts interventions such as art, drawing, drama, music, and poetry in counseling. Provides overview of history, theory, and interventions across the lifespan.  
**Restriction(s):** Enrollment is limited to students in Counseling (043) , Psychology (092) or Social Work (157)  
*Recent Term(s) Offered: None*

**CNS 613 Sandtray Techniques in Counseling 3 Hours**

Introduction to principles of sandtray technique. Provides overview of history, theory, and interventions across the lifespan.  
**Restriction(s):** Enrollment is limited to students in Counseling (043) , Psychology (092) or Social Work (157)  
*Recent Term(s) Offered: None*

**CNS 637 Theories of Addiction 3 Hours**

This course involves introduction to theoretical, philosophical and historical premises of addictions. Topics include professional ethics, diversity, family roles and relationships, and dual diagnosis. Note: Admission to or completion of approved graduate program in a helping profession required.

**Equivalent(s):** SWRK 637, PSY 637

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**CNS 647 Addictions: Assessment, Diagnosis and Treatment Planning 3 Hours**

This course involves the selection, administration, and interpretation of assessment methods and techniques used to diagnose addiction disorders, as well as the development of appropriate treatment plans and issues involved in individual, group and family treatment planning.

**Equivalent(s):** PSY 647, SWRK 647

*Recent Term(s) Offered: spring 2022; summer 2023; spring 2024*

**CNS 651 Readings in Contemporary Counseling 3 Hours** (repeatable max of 6 hrs)

Significant books and research articles related to counseling theory, theory application, and innovative techniques.

*Recent Term(s) Offered: None*

**CNS 653 Brief Counseling 3 Hours**

Introduction to theoretical, philosophical, and historical premises of brief counseling. Topics include professional ethics, diversity, application to various clinical populations, and utilizations of best practices that meet the changing state of mental health care. Note: Admission to or completion of approved graduate program in a helping profession required.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**CNS 655 Advanced Appraisal of Children 3 Hours**

Continuation of CNS 654 designed to increase administration-interpretation skills in individual appraisal process.

**Prerequisite(s):** (CNS 552 or equivalent) and (CNS 654 or equivalent)

*Recent Term(s) Offered: None*

**CNS 658 Seminar in Guidance and Counseling 3 Hours** (repeatable max of 6 hrs)

Presentation and discussion of research in guidance and counseling. Emphasizes theoretical and practical criticism of relevant studies in the field.

*Recent Term(s) Offered: None*

**CNS 660 Organization and Administration of Guidance Services 3 Hours**

Administration of human services in counseling including justification of services, staffing, facilities, budget, etc.

*Recent Term(s) Offered: None*

**CNS 666 Legal and Ethical Issues in Counseling 3 Hours**

Course provides opportunities for mental health providers to make decisions of an ethical nature about people and deal with possible legal actions that result.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**CNS 667 Counseling Substance and Process Addictions 3 Hours**

Counseling issues to substance abuse diagnosis, treatment and aftercare programs involving individual, group, family and other systems.

**Equivalent(s):** PSY 667, SWRK 667

*Recent Term(s) Offered: summer 2022; spring 2023*

**CNS 669 Special Topics in Counseling and Guidance 1-3 Hours**

(repeatable max of 6 hrs)

No course description is available.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; winter 2023; spring 2023; summer 2023; fall 2023; winter 2024; spring 2024; summer 2024; fall 2024*

**CNS 670 Parameters of Law in Student Affairs and Higher Education 3 Hours**

Survey of legal issues, cases and concepts; the responsibilities of student affairs administrators to act within the law; and the rights of faculty, staff and students in higher education.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**CNS 675 Advanced Career Counseling and Services Administration 3 Hours**

Examines advanced career counseling topics, process and procedure in the context of the design and delivery of career counseling services to individuals across the lifespan. Focuses on increasing student understanding of counseling techniques, programming, administration, systems and resources for the provision of student/client career service.

**Prerequisite(s):** CNS 556

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**CNS 677 Eating Disorders in Counseling 3 Hours**

Etiology, assessment, and diagnosis of eating disorders which will include anorexia nervosa, bulimia nervosa, binge eating disorder, and avoidant/restrictive food intake disorder. Existing treatment options and preventative measures will also be examined.

*Recent Term(s) Offered: winter 2022; summer 2022; winter 2023; summer 2023; winter 2024*

**CNS 678 College Teaching Internship 1-3 Hours** (repeatable max of 6 hrs)

Methods of teaching counseling material at the college level. Emphasis will be placed on teaching strategies and teaching at the college level. Students enrolled in the course will concurrently teach an undergraduate level course.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**CNS 700 Maintaining Matriculation 1-6 Hours**

Continued enrollment for specialist project completion.

*Recent Term(s) Offered: None*

**CNS 710 Leadership in Stress Management 3 Hours**

Examines the meaning of stress, its effects on the individual and the organization, how it manifests itself, and strategies for its management. Explores the organizational demands that contribute to stress and addresses how leaders in organizations can help provide preventative stress management.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

## Criminology (CRIM)

### CRIM 500 Law Enforcement 3 Hours

This course explores theoretical, historical, structural, cultural, legal, social, and psychological components of law enforcement.

*Recent Term(s) Offered: None*

### CRIM 525 Survey of Criminal Justice 3 Hours

Survey of the development and implementation of the criminal justice system and the societal responses that emerged to deal with the social problem of crime.

*Recent Term(s) Offered: None*

### CRIM 530 Penology 3 Hours

Examination of theories, research, laws, and public policies associated with punishment on a social control mechanism. Emphasis on social purposes and efficiency of correctional institutions.

*Recent Term(s) Offered: None*

### CRIM 532 Criminology 3 Hours

Theories of crime causation and current research in the areas of criminology and corrections and methodological research considerations.

Note: 6 hours of sociology required.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

### CRIM 533 Criminology and Law 3 Hours

Examine the structure, organization, and content of criminal law. Topics include development and elements of law as they relate to social control.

*Recent Term(s) Offered: None*

### CRIM 534 Neighborhoods and Crime 3 Hours

Overview of ecology of crime, with emphasis on criminological theories, factors that influence neighborhood-level crime rates, and effects that neighborhood characteristics have on individuals.

*Recent Term(s) Offered: None*

### CRIM 536 Juvenile Delinquency 3 Hours

Analysis of current issues relating to children who come into contact with the juvenile justice system.

*Recent Term(s) Offered: None*

### CRIM 537 Comparative Criminology 3 Hours

Survey of theoretical and empirical work examining the structural and cultural forces influencing cross-national crime patterns and trends, international law, and specific legal systems.

*Recent Term(s) Offered: None*

### CRIM 538 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: None*

### CRIM 546 Gender, Crime and Justice 3 Hours

Examines crime, criminal justice, and gender. Explores how constructions of masculinity, femininity, and features of sexuality affect victims, offenders, and professionals in the criminal justice system.

*Recent Term(s) Offered: None*

### CRIM 547 Life-Course Criminology 3 Hours

Examination of theories and empirical research associated with onset, escalation, persistence, and desistance of violent offending over the human life-course.

*Recent Term(s) Offered: None*

### CRIM 548 Race, Class and Crime 3 Hours

Examination of relationships between race and social class in crime patterns and in the etiology of offending and victimization.

*Recent Term(s) Offered: None*

### CRIM 572 Environmental Criminology 3 Hours

Explores criminological solutions to environmental problems. Issues addressed include the nature of environmental offenders and victims, environmental justice, and criminal justice solutions to specific environmental problems.

*Recent Term(s) Offered: None*

### CRIM 596 Applied Research Project 3 Hours

Students will work with an advisor/mentor to develop an applied research project that incorporates information learned in the Master of Arts in Criminology Curriculum.

*Recent Term(s) Offered: spring 2022; summer 2022*

## Cybersecurity Data Analytics (CYSA)

### CYSA 520 Principles of Cybersecurity for Data Analytics 3 Hours

A study of cybersecurity to support the principles of confidentiality, integrity, and availability as it applies to data analytics. Topics include evaluating system configurations, performing threat analysis, designing risk mitigation techniques, and understanding applicable policies, laws, and regulations.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

### CYSA 522 Cybersecurity Risk and Compliance 3 Hours

This course examines risk management and compliance using cyber analytics from an information assurance and cybersecurity perspective. Additionally it will explore the impact the design and integration of cybersecurity policies and procedures within the organization. Topics covered include: risk management; risk assessments; threat, vulnerability and exploit analysis; risk prioritization; risk mitigation; business impact analysis disaster recovery planning; incident response and recovery; compliance and regulation at a state, federal, and international level; and audits.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024; summer 2024*

### CYSA 524 Cybersecurity Orchestration Using Data Analytics 3 Hours

A study of proactively defending and continuously improving the security of the enterprise with emphasis on using data analytics. Topics include leveraging intelligence and threat detection techniques, analyzing and interpret data, identifying and addressing vulnerabilities, determining preventative measures, and effectively responding to and recovering from incidents.

**Prerequisite(s):** BDAN 513 (may be taken concurrently) or BA 513 (may be taken concurrently)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

### CYSA 596A GFCB Graduate Certificate Assessment - Cybersecurity Data Analytics 0 Hours

This course tracks the student skills attainment summary and artifacts for the graduate certificate in Cybersecurity Data Analytics.

*Recent Term(s) Offered: fall 2024*



**CYSA 599 Cybersecurity Data Analytics Portfolio 0 Hours**

This course tracks the student skills attainment summary and artifacts for the MS Cybersecurity Data Analytics program and the graduate certificate in Cybersecurity Data Analytics.

*Recent Term(s) Offered: fall 2024*

**Doctor/Physical Therapy (DPT)****DPT 700 Orientation to Physical Therapy 1 Hour**

Provide the student with an orientation to the physical therapy profession including specific clinical education policies and procedures and clinical placement.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**DPT 705 Orientation to Clinical Education in Physical Therapy 1 Hour**

Disseminates information to students on contemporary professional issues in physical therapy as it pertains to clinical education.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**DPT 711 Principles of Physical Assessment I 1 Hour**

Introduction to basic patient assessment skills, including surface palpation and vital signs.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: fall 2022; summer 2023; summer 2024*

**DPT 712 Principles of Physical Assessment II 2 Hours**

Additional patient assessment skills, including manual muscle testing, reflex testing, and sensory testing.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**DPT 713 Principles of Physical Assessment III 2 Hours**

Additional patient assessment skills, including goniometry, posture, anthropometric measures, with an introduction to patient history and documentation in SOAP note format.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: spring 2022; spring 2023; fall 2023; fall 2024*

**DPT 715 Patient Care Techniques 3 Hours**

Performance and application of positioning skills, bed mobility, transfers, and gait training techniques (including assistive devices) across the continuum of care.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**DPT 716 Principles of Therapeutic Exercise in Physical Therapy 2 Hours**

A theoretical and practical approach to therapeutic exercise and functional training as it applies to all populations.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: spring 2023; spring 2024*

**DPT 720 Gross Human Anatomy I 2 Hours**

The study of gross human anatomy, including muscle, tendon, ligament, and vascular supply of the upper and lower extremities.

**Corequisite(s):** DPT 721

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**DPT 721 Gross Human Anatomy I Lab 1 Hour**

Gross human anatomy lab with supervised exploration of muscle, tendon, ligament, and nerve innervation of the upper and lower extremities using a variety of resources.

**Corequisite(s):** DPT 720

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**DPT 722 Gross Human Anatomy II 2 Hours**

The study of gross human anatomy, including muscle, tendon, ligament, innervation and vascular supply of the head, neck, trunk, pelvic, thoracic, and abdominal regions.

**Corequisite(s):** DPT 723

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**DPT 723 Gross Human Anatomy II Lab 1 Hour**

Gross human anatomy lab with supervised exploration of muscle, tendon, ligament, innervation, and vascular supply of head, neck, trunk, pelvic, thoracic, and abdominal regions using a variety of resources.

**Corequisite(s):** DPT 722

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**DPT 724 Pathophysiology 4 Hours**

Fundamentals of physiology and pathology related to diseases causing abnormal movement patterns or capabilities. Processes and diseases most frequently encountered in physical therapy practice emphasized.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**DPT 726 Orthopaedic Foundations 3 Hours**

Principles of orthopaedic physical therapy including biomechanics, applied anatomy, and osteokinematic and arthrokinematic concepts. Musculoskeletal system investigation from histological, structural, and functional perspectives.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**DPT 727 Health Promotion and Wellness in Physical Therapy 2 Hours**

This course will create a forum to prepare students for clinical competencies regarding health promotion/wellness as it relates to physical therapy.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**DPT 728 Clinical Exercise Physiology 3 Hours**

Overview of the physiologic responses of the human body to exercise and training in normal and patient populations.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**DPT 729 Pharmacology in Physical Therapy 2 Hours**

Actions and effects of pharmaceutical agents commonly encountered in physical therapy clinical practice.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: summer 2022; fall 2024*

**DPT 735 Pain Neuroscience for Physical Therapy 1 Hour**

The neuroscience of pain and its application in physical therapist practice.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: spring 2023; spring 2024*

**DPT 736 Neuroanatomy 3 Hours**

Anatomy of the central and peripheral nervous systems, emphasizing structure and functional relationships in normal and pathological states.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**DPT 738 Motor Control 2 Hours**

This course will prepare students to understand and apply motor control principles as it relates to physical therapy.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: spring 2022; summer 2023; summer 2024*

**DPT 740 Physical Modalities 3 Hours**

The clinical application of soft tissue techniques, thermal agents, intermittent compression, continuous motion, electrical stimulation, and mechanical traction.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: fall 2022; summer 2023; summer 2024*

**DPT 742 Diagnostic Testing and Imaging 2 Hours**

Presentation of diagnostic tests and interpretation of results as it applies to physical therapy evaluation, intervention, planning and treatment.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**DPT 745 Integumentary System 2 Hours**

Clinical practice of wound care including assessment tools, dressings, and treatment approaches.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**DPT 746 Management of Upper Extremity Musculoskeletal Disorders 4 Hours**

Physical therapy examination, evaluation, and intervention for upper extremity musculoskeletal dysfunction. Emphasis placed on the process of clinical decision making to develop the student's ability to utilize examination findings to establish a differential diagnosis that informs intervention. Lab activities promote development of psychomotor skills in the application of examination and intervention techniques, including special tests, manual therapy, and therapeutic exercise.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**DPT 747 Physical Therapy Management for Select Populations 2 Hours**

Exploration of clinical practice related to specialty areas of physical therapy including pelvic health and other conditions related to gender-specific pathologies.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**DPT 748 Prosthetics and Orthotics 2 Hours**

Design, fabrication and fitting, and management of individuals requiring prosthetic and orthotic devices.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**DPT 749 Neurological Assessment 1 Hour**

Physical therapy examination, evaluation, and assessment of individuals with neurologically-based movement disorders.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: summer 2022; spring 2023; spring 2024*

**DPT 751 Supervised Clinical Education I 4 Hours**

This full-time first clinical education experience provides students the opportunity to actively engage in experiential learning and develop introductory clinical competence. Students are responsible for transportation to and from off-campus experiences.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**DPT 752 Supervised Clinical Education II 5 Hours**

This full-time second clinical education experience provides students additional opportunities for experiential learning and further development of clinical competence. Students are responsible for transportation to and from off-campus experiences.

**Prerequisite(s):** DPT 751

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: summer 2022; fall 2022; summer 2023; summer 2024*

**DPT 753 Supervised Clinical Education III 7 Hours**

The third full-time clinical education experience provides students opportunities for refinement of their professional behaviors and examination skills, and development of intervention techniques. Students are responsible for transportation to and from off-campus experiences.

**Prerequisite(s):** DPT 752

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: fall 2022; spring 2023; fall 2023; fall 2024*

**DPT 754 Supervised Clinical Education IV 9 Hours**

The fourth full-time clinical education experience provides students the opportunity to further develop skills and display clinical competence as an autonomous physical therapist. Students are responsible for transportation to and from off-campus experiences.

**Prerequisite(s):** DPT 753

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: spring 2022; spring 2023; summer 2023; spring 2024; summer 2024*

**DPT 760 Professional Issues 2 Hours**

Professional issues pertinent to physical therapy, including state and national associations, state and federal laws, standards of practice, and code of ethics.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**DPT 761 Physical Therapy Management and Administration I 1 Hour**

Foundational concepts of business principles for doctor of physical therapy students with an emphasis on leadership, administration, management, and professionalism.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**DPT 762 Physical Therapy Management and Administration II 3 Hours**

General principles of organization and administration that impact the ethical and legal aspects of physical therapy practice.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**DPT 770 Management of Lower Extremity Musculoskeletal Disorders 4 Hours**

Physical therapy examination, evaluation, and intervention for lower extremity musculoskeletal dysfunction. Emphasis placed on the process of clinical decision making to develop the student's ability to utilize examination findings to establish a differential diagnosis that informs intervention. Lab activities promote development of psychomotor skills in the application of examination and intervention techniques, including special tests, manual therapy, and therapeutic exercise.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**DPT 771 Neurological Rehabilitation 4 Hours**

Emphasis on hands-on skill development, clinical reasoning, and critical analysis for treating individuals with neurologically-based movement disorders.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**DPT 772 Cardiopulmonary Rehabilitation 3 Hours**

Evaluation and treatment of patients with cardiopulmonary disease and dysfunction, emphasizing the response of cardiac, circulatory and pulmonary systems to exercise.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**DPT 774 Spine Assessment and Intervention 4 Hours**

Spine assessment and treatment, including mobilizations, special tests, and exercise progressions, in patients with spine dysfunction.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**DPT 775 Screening for Referral 3 Hours**

A systems-based approach to differential screening and diagnosis to determine if further medical referral is necessary.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**DPT 778 Geriatric Physical Therapy 1 Hour**

This course will explore the physical and psycho-behavioral aspects of aging. Students will review typical physiologic response to aging and the effects of these changes on the function of older clients being treated in various physical therapy settings. A problem-solving approach to management of elder patients with varied degree of medical complexity in multiple settings will be emphasized.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**DPT 779 Pediatric Physical Therapy 3 Hours**

Examination of the factors affecting normal and pathologic development in infants and children to age 21. Additionally, treatment techniques appropriate to these populations will be covered.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**DPT 781 Research in Physical Therapy I 3 Hours**

An introduction to clinical research in physical therapy, dealing with research design and methodology, as well as the development of a research project topic.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**DPT 782 Research in Physical Therapy II 2 Hours**

Further development of the research topic, critical review of clinically relevant research literature, development of IRB application, and establishing the project timeline.

**Prerequisite(s):** DPT 781

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**DPT 783 Research in Physical Therapy III 3 Hours**

Use of SPSS for physical therapy related data analysis, including descriptive statistics, statistical inference, analysis of differences, and analysis of relationships.

**Prerequisite(s):** DPT 782

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**DPT 784 Research in Physical Therapy IV 1 Hour**

Continuation of the Research track in Physical Therapy. Emphasis placed on data collection and application of applied research statistics.

**Prerequisite(s):** DPT 783

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: spring 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**DPT 785 Research in Physical Therapy V 1 Hour**

Continuation of the Research track in Physical Therapy, with emphasis on completion of research project and dissemination of results.

**Prerequisite(s):** DPT 784

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**DPT 790 Physical Therapy Seminar 1 Hour**

Provides students with necessary strategies and tools to prepare for the national physical therapy board examination (NPTE) and to obtain and maintain state licensure. Completion of summative examinations to evaluate mastery of content areas will be performed. Fulfillment of continuing education (CEU) requirements will also be discussed, including organization and management of completed CEU hours.

**Restriction(s):** Enrollment is limited to students in Physical Therapy (0013)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

## Economics (ECON)

**ECON 400G 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.

*Recent Term(s) Offered: spring 2022; fall 2023; fall 2024*

**ECON 410G Seminar in Economics 1-3 Hours (repeatable max of 9 hrs)**

Special topics in economics of current interest.

*Recent Term(s) Offered: fall 2022*

**ECON 420G Public Sector Economics 3 Hours**

A study of the economics of public policies. The course will use economic tools to analyze the effects of policies, understand their complexities, and predict unintended consequences. Topics include public education, welfare reform, pollution, healthcare, and tax policy.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**ECON 430G Environmental and Resource Economics 3 Hours**

Study of environmental issues and natural resource problems and solutions. Topics include measurements of environmental benefits, property rights, externalities, environmental quality, pollution control, and solid waste management.

*Recent Term(s) Offered: fall 2022; fall 2024*

**ECON 434G The Economics of Poverty and Discrimination 3 Hours**

Study of the economic nature, origins, and public policy aimed at addressing poverty and discrimination in the economy. Topics include social security, food stamps, and equal employment opportunity.

*Recent Term(s) Offered: fall 2022; spring 2024*

**ECON 440G American Industry: Structure, Performance and Policy 3 Hours**

Applications of microeconomics to the structure, behavior, and performance of American industry in view of public and private social goals. Coverage includes public policy toward monopoly.

*Recent Term(s) Offered: None*

**ECON 445G Economics of Healthcare 3 Hours**

Health economics studies the unique role that healthcare systems play in the broader area of microeconomics.

*Recent Term(s) Offered: spring 2023; spring 2024*

**ECON 451G Games and Strategy 3 Hours**

This course is an introduction to game theory analysis. Students will develop the theoretical tools to analyze incentives and strategic behavior in individual and group decision making. 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

*Recent Term(s) Offered: spring 2023*

**ECON 464G Introduction to Mathematical Economics 3 Hours**

The application of mathematics to economic analysis covering functions, optimization techniques, differential and difference matrix algebra, and game theory.

*Recent Term(s) Offered: spring 2022*

**ECON 465G Regression and Econometric Analysis 3 Hours**

Presents the use of statistical methods in measuring and testing economic relationships. Emphasizes the use of ordinary least squares in estimating single equation models. Topics included are dummy variables, lagged variables, and classic regression problems.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**ECON 491G 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.

*Recent Term(s) Offered: None*

**ECON 496G International Monetary Economics 3 Hours**

A systematic analysis of monetary aspects of international trade and finance.

*Recent Term(s) Offered: spring 2023*

**ECON 501 Survey of Economic Theory 3 Hours**

An overview of basic concepts in micro and macroeconomics. Topics include price and output decisions, cost concepts, aggregate income, the price level, and related areas.

**Equivalent(s):** BA 501

*Recent Term(s) Offered: None*

**ECON 502 Applied Micro Economic Theory 3 Hours**

Fundamental concepts of firm analysis, public policy, and individual decisions. Critical thinking applied to topics like supply and demand, revenue and costs, pricing, and information and uncertainty.

**Equivalent(s):** BA 511

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**ECON 503 Applied Macroeconomic Theory 3 Hours**

Fundamental concepts dealing aggregate economic activity in the U.S. Topics include measurement, consumption, saving and investment, long term growth, business cycles, monetary and fiscal policy, and basic forecasting ideas.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**ECON 505 Economics for Teachers 3 Hours**

Basic concepts and topics dealing with the functioning of a market oriented economic system and the U.S. economy.

*Recent Term(s) Offered: None*

**ECON 506 Applied Statistical Methods 3 Hours**

Introduction to applied statistics for decision making and research including analysis of variance, process control, experimental design, regression, and forecasting, as well as useful software and data sources.

**Equivalent(s):** BA 540

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**ECON 507 Data Methods in Economics 3 Hours**

Students will learn how to import/export data in variety formats into SAS and other statistical software, use real-time data from the internet, automate data import/export tasks, create summary reports from data with publication-quality graphics, construct data queries from multiple data sources using multiple conditions, create interactive digital graphs. Students will study application of econometric techniques in variety of environments.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**ECON 530 Economic Policy 3 Hours**

Survey course designed to study the moral, social, and economic effects of current and changing government policies regarding the operation of markets.

*Recent Term(s) Offered: None*

**ECON 567 American Economic History 3 Hours**

Uses economic science to analyze historical events. Examine the role of both government and private institutions in shaping the path of economic growth. The course explores how innovations like those in transportation and technology affected how nations developed, and how different policies affected economic growth. Will span events from the days of American Revolution to more recent events such as the Great Depression of 1930s and the Great Recession of 2000s.

**Prerequisite(s):** ECON 465 (may be taken concurrently) with a minimum grade of C or ECON 465G (may be taken concurrently)

*Recent Term(s) Offered: None*

**ECON 571 Public Policy Economics 3 Hours**

Application of economic concepts and methods to the study of public policy. Topics include externalities, regulation, cost-benefit analysis, political markets, and macroeconomic influences on voting.

**Prerequisite(s):** ECON 502 and ECON 506

**Equivalent(s):** BA 571

*Recent Term(s) Offered: None*

**ECON 585 Topics in Macroeconomics 3 Hours**

Discussion of current areas of research in macroeconomic/monetary fields. Specific content will vary by semester and instructor.

**Prerequisite(s):** (ECON 503 or equivalent) and (ECON 506 or equivalent)

*Recent Term(s) Offered: None*

**ECON 594 Forecasting 3 Hours**

Methods of forecasting changes in the U.S. economy and other economic units. Emphasis on application and evaluation of different techniques.

**Prerequisite(s):** ECON 506 or BA 540

**Equivalent(s):** BA 543

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**ECON 595 Labor and Human Resource Economics 3 Hours**

Study of static and dynamic models of labor demand, supply, and human capital investment.

**Equivalent(s):** BA 544

*Recent Term(s) Offered: None*

**ECON 596 Applied Economics Project 3,6 Hours**

An end of program course in which students select a topic, apply appropriate economic literature, concepts, and methods and report their findings in writing and in an oral presentation. Note: Completion of at least 24 program hours required.

**Restriction(s):** Enrollment is limited to students in Applied Economics (0410)

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; spring 2024; fall 2024*

**ECON 597 Practicum in Economics 3 Hours (repeatable max of 6 hrs)**

A directed, supervised practicum or internship with a business or government agency utilizing the skills developed in the program.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**ECON 598 Independent Study Economics 3 Hours (repeatable max of 9 hrs)**

Selected topics in economics.

*Recent Term(s) Offered: spring 2023*

**ECON 599 Thesis Research/Writing 1-6 Hours** (repeatable max of 6 hrs)

Thesis research and writing directed by faculty committee.

*Recent Term(s) Offered: None*

**ECON 600 Maintaining Matriculation 1-6 Hours** (repeatable max of 6 hrs)

Continued enrollment for thesis completion.

*Recent Term(s) Offered: summer 2022; fall 2022; summer 2023*

## Education (EDU)

**EDU 501 Seminar: Designing Professional Development Plan 2 Hours**

Students should enroll in EDU 501 within the first 7 hours of course work in the Non Degree Planned Fifth Year or Master's Degree.

*Recent Term(s) Offered: None*

**EDU 502 Positive Learning Environment 3 Hours**

This class will focus on methods and models of positive behavior management in group settings for school-aged learners.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**EDU 503 Professional Development Experience 3-6 Hours** (repeatable max of 6 hrs)

Advanced training within a professional development context is designed to be a collaboration between the university and regional school districts to support candidates with job embedded experiences. The professional development must be pre-approved by WKU.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**EDU 507 Geographic Concepts and Skills for Teachers 3 Hours**

Designed for experienced social studies, earth science, and geoscience teachers. Provides up-to-date geographic content, information, and related geographic skills with geography core content for the P-12 classroom.

**Equivalent(s):** GEOS 507

*Recent Term(s) Offered: summer 2022*

**EDU 520 Planning for Instruction 3 Hours**

Survey of instructional planning, focused on pre-instruction. Topics include classroom management, determining outcomes and criteria for success, and differentiating instruction.

**Restriction(s):** Enrollment is limited to students in Middle Grades Ed:

Initial Cert (0458) or Teacher Educ: Initial Cert (0495)

*Recent Term(s) Offered: summer 2022; fall 2022; summer 2023; fall 2023; summer 2024; fall 2024*

**EDU 521 Implementing an Instructional Plan 3 Hours**

Survey of implementation and management of instruction. Topics include classroom management, determining outcomes and criteria for success, and differentiating instruction. One-third of the course is content-specific instruction.

**Corequisite(s):** EDU 520

**Restriction(s):** Enrollment is limited to students in Special Ed Initial Cert (0456) , Middle Grades Ed: Initial Cert (0458) , IECE, Birth-Age 5, Initial Cer (0460) or Teacher Educ: Initial Cert (0495)

*Recent Term(s) Offered: None*

**EDU 522 Foundations of Differentiated Instruction 3 Hours**

Designing a qualitatively different instruction for students with varying abilities, interests, learning profiles, and affect within the regular classroom experience.

**Prerequisite(s):** EDU 520

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; summer 2023; spring 2024; summer 2024*

**EDU 524 Educational Assessment 3 Hours**

A study of assessment and evaluative techniques used by P-12 teachers, including norm-referenced and criterion-based data analysis, that are utilized throughout the teaching and learning process.

*Recent Term(s) Offered: None*

**EDU 540 Place-Based Social Studies 3 Hours**

Place-based social studies introduces educators to research, theory, and practice of using the local community and environment to teach concepts in civics, history, economics, and geography. This course is intended for P-12 educators and nonformal educators.

*Recent Term(s) Offered: None*

**EDU 541 Place-Based Science 3 Hours**

Place-based science uses local community/environment to teach concepts in sense of place through studying local ecology, environmental justice, energy, and health. This course is intended for P-12 and nonformal educators.

*Recent Term(s) Offered: None*

**EDU 544 Classroom Teaching Strategies 3 Hours**

Examination of alternative teaching strategies related to four major goal attainment areas: fact/process retention, information, processing, social interaction, and personal development.

*Recent Term(s) Offered: None*

**EDU 560 Capstone in Education 3 Hours**

Candidates will conduct a capstone project in a school setting tied to district, school, and/or participant professional identified needs.

*Recent Term(s) Offered: fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**EDU 570 Educational Assessment for P-12 Learners 3 Hours**

Best practices for educational assessment for classroom teachers. Designed for graduate students seeking initial teacher certification program.

**Prerequisite(s):** EDU 520

**Restriction(s):** Enrollment is limited to students in Middle Grades Ed:

Initial Cert (0458) or Teacher Educ: Initial Cert (0495)

*Recent Term(s) Offered: winter 2022; winter 2023; winter 2024*

**EDU 580 Advanced Special Topics 3-6 Hours** (repeatable max of 6 hrs)

Advanced special topics course customized to support program participant goals.

*Recent Term(s) Offered: fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**EDU 589 Advanced Internship for the MAT 6 Hours**

Students complete the state approved equivalent of a student teaching experience through supervised practice in an appropriate setting. Settings will vary according to student background, certification goals, and advisor approval. Students are responsible for arranging their own transportation to assigned sites. Note: Admission to professional education unit required.

**Prerequisite(s):** permission of instructor

**Restriction(s):** Enrollment is limited to students in Special Ed Initial Cert (0456) , Middle Grades Ed: Initial Cert (0458) , IECE, Birth-Age 5, Initial Cer (0460) or Teacher Educ: Initial Cert (0495)

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**EDU 590 Advanced Teaching Internship 3 Hours**

Supervised internship in an academic setting for development of advanced instructional skills and experience. Site assigned will depend on student background and will require advisor approval. Students are responsible for arranging their own transportation to designated or assigned sites.

*Recent Term(s) Offered: None*

**EDU 594 Practicum in Education or Behavioral Sciences 1-3 Hours**

Supervised practical experience related to education or behavioral science studies. Note: Completion of at least 18 hours in MAE Education and Behavioral Science Studies including all core requirements except capstone required.

**Prerequisite(s):** permission of instructor

**Restriction(s):** Enrollment is limited to students in Educ Behav Science Studies (042)

*Recent Term(s) Offered: spring 2022; fall 2023; summer 2024*

**EDU 595 Directed Study in Education or Behavioral Sciences 3 Hours**

Directed study related to best practices in education or behavioral sciences. Requires completion of research project on approved topic. Note: Completion of at least 21 hours in MAE Education and Behavioral Science Studies including all requirements except capstone required.

**Prerequisite(s):** permission of instructor

**Restriction(s):** Enrollment is limited to students in Educ Behav Science Studies (042)

*Recent Term(s) Offered: None*

**EDU 596 Seminar: Portfolio Development and Professional Educator Growth Plan 1-2 Hours**

Students should enroll in EDU 596 after completing at least 24 hours of course work in the Non Degree Planned Fifth Year or Master's Degree.

*Recent Term(s) Offered: None*

**EDU 598 Seminar: Evaluation of Professional Development Plan 1 Hour**

No course description is available

*Recent Term(s) Offered: None*

**EDU 599 Thesis Research and Writing 1-6 Hours (repeatable max of 6 hrs)**

Independent research on a topic related to education or behavioral sciences.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**EDU 600 Maintaining Matriculation 1-6 Hours**

Maintaining matriculation.

**Prerequisite(s):** EDU 599

*Recent Term(s) Offered: fall 2022; summer 2023; fall 2023; spring 2024; fall 2024*

**EDU 601 Seminar: Advanced Professional Development Plan 1 Hour**

Advanced study of relevant professional standards and the application of those standards to a formal professional development plan and professional project development. Students plan a professional project to educate peers in their school, district, or state.

**Restriction(s):** Enrollment is limited to students in Dir of Spec Education-Rank I (0426) , Library Media Ed - Rank I (0429) , Standard Guidance - Rank I (048) , Gifted Educ and Talent Develop (0490) , Elementary Education-Rank I (084) , School Administration - EDS (098) , Counselor Education (112) , School Administration - Rank I (121) , Secondary Education - Rank I (124) , School Psychology (147) , Early Childhood Educ - Rank I (156) or Middle Grades Educ - Rank I (158)

*Recent Term(s) Offered: None*

**EDU 604 Management Learning Environment 3 Hours**

No course description is available

*Recent Term(s) Offered: None*

**EDU 694 National Board for Certification Exploration and Support 1-6 Hours (repeatable max of 6 hrs)**

This course prepares teachers to complete the initial certification by completing the coursework for the four components (content knowledge, assessment, differentiation, and learning environments) as outlined by the National Board for Professional Teaching Standards.

*Recent Term(s) Offered: fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**EDU 695 Advanced Topics in Education 1-6 Hours (repeatable max of 6 hrs)**

Readings or special projects in education. Note: Post-master's standing required.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: summer 2024*

**EDU 698 Seminar: Advanced Portfolio Project 2 Hours**

An exit seminar requiring presentation of a professional portfolio project including evidence of professional development. Note: Completion of at least 24 hours in non-degree planned Rank I or Specialist degree required.

**Prerequisite(s):** (EDU 598 or EDU 596) and EDU 601

*Recent Term(s) Offered: None*

**EDU 699 Specialist Project 1-6 Hours (repeatable max of 6 hrs)**

Independent research related to a topic in education.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**EDU 701 Teacher Leadership and Assessment I 3 Hours**

Focuses on a teacher leader role in the evaluation of international, national, state and local assessment frameworks. Topics include the role of teacher leader in closing achievement gaps and improving student learning.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)

*Recent Term(s) Offered: None*

**EDU 702 Teacher Leadership and Assessment II 3 Hours**

Focuses on understanding the relationship between classroom assessments and curriculum decisions. Students will explore the concept of standards and standard setting processes in relationship to student depth of knowledge and assessment differentiation.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)

*Recent Term(s) Offered: None*

## Educational Administration (EDAD)

**EDAD 507 Educational Leadership Policies and Politics 3 Hours**

Designed to equip students with analytical skills for confronting leadership issues that require the application or creation of policy in diverse settings. Examines the exercise of political power in education and the impact of politics on managing and leading educational institutions.

*Recent Term(s) Offered: summer 2023; spring 2024*

**EDAD 583 Accounting for Pupil Personnel 3 Hours**

Emphasizes the responsibilities of directors of pupil personnel, problems of personnel accounting, and records and reports related to the Minimum Foundation Program.

*Recent Term(s) Offered: fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**EDAD 585 Fundamentals of School Administration 3 Hours**

Organization and administration of American schools. Principles of effective leadership and the roles and responsibilities of administrative supervisory positions.

*Recent Term(s) Offered: None*

**EDAD 588 Allocation and Use of Resources 3 Hours**

Effective operation of the fiscal and business aspects of school administration in the educational program.

*Recent Term(s) Offered: None*

**EDAD 590 Administration of School Personnel 3 Hours**

Allocation of human resources to accomplish the purposes of the school organization.

*Recent Term(s) Offered: None*

**EDAD 594 Leading Innovative Educational Programs 3 Hours**

Principles and practices of leadership in the development and operation of innovative educational programs in areas such as career and technical education, counseling, curricular and extracurricular programs, and special education.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**EDAD 596 Readings in Education Administration 1-3 Hours**

(repeatable max of 9 hrs)

Reading and research in an area of individual interest. Supervised by the major professor.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**EDAD 597 Problems in Educational Administration and Supervision 3 Hours**

Students will participate in online learning and field experiences requiring them to apply course and program learning to solving problems of educational administration and supervision in diverse real-world contexts.

**Prerequisite(s):** EDAD 602 (may be taken concurrently) with a minimum grade of B

*Recent Term(s) Offered: summer 2022; fall 2024*

**EDAD 598 Field-Based Experience in Educational Administration 1-6 Hours**

(repeatable max of 9 hrs)

Clinical experiences with practitioners in the field to acquaint the prospective administrator/supervisor with the realities of educational organizations.

*Recent Term(s) Offered: fall 2022; fall 2023; summer 2024; fall 2024*

**EDAD 602 Introduction to School Leadership 3 Hours**

A survey of theory and research in school leadership focusing on ethical, equity-driven decision making and practice. Explores processes for vocational discernment as a school leader and tools for assessing leadership strengths and growth areas.

**Restriction(s):** Enrollment is limited to students in Instr Leadership Sch Principal (0499) , School Administration - Rank I (121) or Certification Only - Ed Ldrshp (131)

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**EDAD 603 School Law and Policy 3 Hours**

An overview of the American legal system as it applies to P-12 education, Kentucky schools, and education policy.

**Prerequisite(s):** EDAD 602 (may be taken concurrently) with a minimum grade of B or permission of instructor

*Recent Term(s) Offered: spring 2022; summer 2023; fall 2023; summer 2024; fall 2024*

**EDAD 604 Creating a Culture of Achievement 3 Hours**

This course focuses on identifying processes to create and foster a positive professional and student culture that supports a unifying purpose of learning and achievement.

**Prerequisite(s):** EDAD 602 (may be taken concurrently) with a minimum grade of B or permission of instructor

**Restriction(s):** Enrollment is limited to students in Instr Leadership Sch Principal (0499) , School Administration - Rank I (121) or Certification Only - Ed Ldrshp (131)

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**EDAD 605 Leading a Community of Learners 3 Hours**

This course focuses on identifying processes to create and foster a strong and healthy relationship between the school and both internal and external community stakeholders.

**Prerequisite(s):** EDAD 602 (may be taken concurrently) with a minimum grade of B or permission of instructor

**Restriction(s):** Enrollment is limited to students in Instr Leadership Sch Principal (0499) , School Administration - Rank I (121) or Certification Only - Ed Ldrshp (131)

*Recent Term(s) Offered: spring 2022; summer 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*



**EDAD 606 Leading Learning Systems 3 Hours**

This course will develop students' understanding of best practices and current trends in curriculum, instruction, and assessment and prepare them to use available tools to monitor and improve the alignment and implementation of these systems to promote academic success for all students.

**Prerequisite(s):** EDAD 602 (may be taken concurrently) with a minimum grade of B or permission of instructor

**Restriction(s):** Enrollment is limited to students in Instr Leadership Sch Principal (0499) , School Administration - Rank I (121) or Certification Only - Ed Ldrshp (131)

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**EDAD 607 Developing Teacher Capacity 3 Hours**

This course will develop human resource leadership skills for P-12 principal candidates, emphasizing the development of teachers through evaluation, coaching, and comprehensive professional learning.

**Prerequisite(s):** EDAD 602 (may be taken concurrently) with a minimum grade of B or permission of instructor

**Restriction(s):** Enrollment is limited to students in Instr Leadership Sch Principal (0499) , School Administration - Rank I (121) or Certification Only - Ed Ldrshp (131)

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**EDAD 608 Resource Management for Equitable Outcomes 3 Hours**

This course focuses on the roles and responsibilities of school principals relative to managing people, processes, and data in service of a vision that ensures the safety and success of all students.

**Prerequisite(s):** EDAD 602 (may be taken concurrently) with a minimum grade of B or permission of instructor

**Restriction(s):** Enrollment is limited to students in Instr Leadership Sch Principal (0499) , School Administration - Rank I (121) or Certification Only - Ed Ldrshp (131)

*Recent Term(s) Offered: summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; summer 2024; fall 2024*

**EDAD 609 Leading School Improvement 3 Hours**

This course focuses on leading school improvement by using data and collaborating with others to identify problems of practice, set direction, develop people, and redesign organizational structures to ensure success for all students. Students will learn to use tools and processes associated with school improvement, multi-tiered systems of support, and other structures.

**Prerequisite(s):** EDAD 602 (may be taken concurrently) with a minimum grade of B or permission of instructor

**Restriction(s):** Enrollment is limited to students in Instr Leadership Sch Principal (0499) , School Administration - Rank I (121) or Certification Only - Ed Ldrshp (131)

*Recent Term(s) Offered: summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**EDAD 610 Clinical Experiences in Educational Administration 3 Hours**  
(repeatable max of 6 hrs)

Clinical experiences that build the capacity of aspiring educational administrators to solve problems in a variety of real-world contexts.

**Prerequisite(s):** EDAD 602 (may be taken concurrently) with a minimum grade of B

**Restriction(s):** Enrollment is limited to students in Instr Leadership Sch Principal (0499) , School Administration - Rank I (121) or Certification Only - Ed Ldrshp (131)

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**EDAD 612 Collaboration between Schools and Stakeholders for Individuals with Disabilities 3 Hours**

Preparation of school leaders and teachers to work as consultants in a team model; exploration of local, state and regional agencies involved with individuals with disabilities. Supervised practicum required at designated sites.

**Equivalent(s):** SPED 612

*Recent Term(s) Offered: None*

**EDAD 620 Seminar in Administration of Special Education 3 Hours**  
(repeatable max of 9 hrs)

Current trends and issues in the administration and supervision of special education programs, including personnel issues, student identification issues, program assimilation and human relationships.

**Equivalent(s):** SPED 620

*Recent Term(s) Offered: None*

**EDAD 625 Practicum in the Administration of Special Education 3 Hours**  
(repeatable max of 9 hrs)

Supervised practice in educational organizations for persons preparing to become a Director of Special Education.

**Equivalent(s):** SPED 625

*Recent Term(s) Offered: spring 2022*

**EDAD 630 Special Education Law and Finance 3 Hours**

Clinical study of federal and state cases, statutes, regulations, and administrative decisions reviewing the Individuals with Disabilities Education Act (IDEA), Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act (ADA) of 1990.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**EDAD 639 The Superintendency 3 Hours**

Function, role, and responsibilities of the school superintendent. Topics include politics and education; superintendent's relationships with the school board, central office staff, and with the state department of education; the budget process; strategic planning; and curriculum leadership. Note: Two years of school administrative experience required.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**EDAD 640 Introduction to School Leadership 3 Hours**

Survey course designed to provide a foundation in the concepts of school leadership, as they relate to the role of the school principal. Field work consistent with the role of the school principal is required.

**Corequisite(s):** EDAD 641

**Restriction(s):** Enrollment is limited to students in Principal Level 1 (KP1) or Principal Level 2 (KP2)

*Recent Term(s) Offered: None*

**EDAD 641 Building Culture and Community 3 Hours**

Practical application of established tools for assessing and improving a school's culture and community with an emphasis on ethical leader behaviors. Field work consistent with the role of the school principal is required.

**Corequisite(s):** EDAD 640

*Recent Term(s) Offered: None*

**EDAD 642 Leveraging Community Systems and Resources 3 Hours**

Organizational leadership, procedures, and structures for P-12 school improvement. Field work consistent with the role of the school principal is required.

**Prerequisite(s):** EDAD 641

**Corequisite(s):** EDAD 643

*Recent Term(s) Offered: None*

**EDAD 643 Securing and Developing Staff 3 Hours**

Human resources leadership for P-12 schools. Emphasizes processes and procedures in the management of educational systems, including personnel development. Field work consistent with the role of the school principal is required.

**Prerequisite(s):** EDAD 640 and EDAD 641

**Corequisite(s):** EDAD 642

*Recent Term(s) Offered: None*

**EDAD 644 Creating Organizational Structures and Operations 3 Hours**

Organizational leadership, procedures, and structures for P-12 school improvement. Field work consistent with the role of the school principal is required.

**Prerequisite(s):** EDAD 642 and EDAD 643

**Corequisite(s):** EDAD 645

*Recent Term(s) Offered: None*

**EDAD 645 Practicing the Principalship 3 Hours**

Capstone course emphasizing leading change, reflective practice, and transitioning into the principalship. Field work consistent with the role of the principal is required.

**Prerequisite(s):** EDAD 642 and EDAD 643

**Corequisite(s):** EDAD 644

*Recent Term(s) Offered: None*

**EDAD 649 School System Administration 3 Hours**

School system operations including finances, auxiliary services, human resources, federal and state programs, facilities, and curriculum and instruction.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024; summer 2024*

**EDAD 659 Strategic Planning in Education 3 Hours**

Examination of planning processes used by leaders to direct educational change and improvement. Includes strategic planning approaches designed to address macro and micro organizational goals.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: summer 2022*

**EDAD 677 Legal Issues for Professional Educators 3 Hours**

Clinical study of U.S. Constitutional, federal and state case, statutory and regulatory law, and their effects on social and political systems on the state and national level.

*Recent Term(s) Offered: None*

**EDAD 682 School-Community Relations 3 Hours**

Background, need, and techniques for establishing a wholesome working relationship with school-community stakeholders, with an emphasis on their involvement in school programs.

*Recent Term(s) Offered: None*

**EDAD 683 Leadership for Curriculum, Instruction, and Assessment 3 Hours**

Students will examine research and engage in best practices for developing, implementing, monitoring, and revising curriculum, instruction, and assessment; evaluate the effectiveness of current trends and practices in schools, including the concepts of prioritization, power standards, unpacking and mapping standards using learning targets, formative assessment, and understand the role of school principals in the leading, monitoring, and supporting these processes.

**Prerequisite(s):** EDAD 606 or EDAD 607

*Recent Term(s) Offered: None*

**EDAD 684 Instructional Leadership 3 Hours**

Identification of practices and characteristics of supervisors and administrators, relative to curriculum and instruction, that have been shown to significantly improve student achievement.

*Recent Term(s) Offered: None*

**EDAD 686 District-level Supervision 3 Hours**

The instructional aspect of district administration: organization, problems, principles, and techniques of supervising and improving professional learning for teachers, principals, and staff.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**EDAD 690 The Principalship 3 Hours**

Identification and development of essential leadership practices associated with the role of principal in the contemporary school system.

**Prerequisite(s):** EDAD 594 and EDAD 585

*Recent Term(s) Offered: None*

**EDAD 694 Seminar in Educational Administration 3,6 Hours (repeatable max of 6 hrs)**

Examination of current leadership practices with emphasis on the changing role of the educational administrator.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**EDAD 696 Advanced Organizational Theory 3 Hours**

A study of historical and contemporary theory in educational administration and leadership.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**EDAD 697 Independent Research/Education Ad/Sup 3 Hours (repeatable max of 9 hrs)**

Special projects in administration and supervision.

*Recent Term(s) Offered: spring 2024*

**EDAD 699 Independent Specialist Project 1-6 Hours (repeatable max of 6 hrs)**

Specialist project research and writing directed by faculty committee.

*Recent Term(s) Offered: None*

**EDAD 700 Maintaining Matriculation 1-6 Hours** (repeatable max of 6 hrs)

Continued enrollment for specialist project completion.

*Recent Term(s) Offered: None*

**EDAD 706 Educational Leadership and Reform 3 Hours**

Leadership for school reform and organizational development. Study of the challenges, strategies, and application of organizational theory for P-12 executive leadership in leading systemic change initiatives.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)

*Recent Term(s) Offered: summer 2022*

**EDAD 707 Educational Leadership Policies and Politics 3 Hours**

Designed to equip students with analytical skills for confronting leadership issues that require the application or creation of policy in diverse settings. Examines the exercise of political power in education and the impact of politics on managing and leading educational institutions.

*Recent Term(s) Offered: None*

**EDAD 708 Administration of Fiscal Resources in Districts and Systems 3 Hours**

Ethical concepts of school finance, school business administration, fiscal management, contemporary economic theories, and related procedures, and practices in educational institutions at the district or system levels.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)

*Recent Term(s) Offered: None*

**EDAD 710 School Leadership and Technology Planning for School Improvement 3 Hours**

Use of modern technological tools in instructional and administrative processes; evaluation of hardware and software for both instructional uses and as administrative tools.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)

*Recent Term(s) Offered: None*

**EDAD 734 School Accountability and Teacher Evaluation 3 Hours**

A critical examination of K-12 school and teacher accountability models in Kentucky, the United States, and worldwide, including an introduction to statistical approaches used to link student outcomes to school and teacher quality.

**Corequisite(s):** EDLD 722

*Recent Term(s) Offered: None*

## Educational Foundations (EDFN)

**EDFN 500 Research Methods 3 Hours**

Introduction to research methods in education, information retrieval systems, basic types of research, research procedures, research designs, and discussion of methods of data analysis to facilitate the understanding of research journals in the student's field of study.

*Recent Term(s) Offered: winter 2022; spring 2022; summer 2022; fall 2022; winter 2023; spring 2023; summer 2023; fall 2023; winter 2024; spring 2024; summer 2024; fall 2024*

**EDFN 501 Educational Statistics 3 Hours**

Statistical methods including descriptive statistics, sampling, probability, and correlation.

*Recent Term(s) Offered: spring 2022; summer 2022; spring 2023; spring 2024*

**EDFN 576 Issues and Trends in Education 3 Hours** (repeatable max of 9 hrs)

Selected issues and problems in contemporary society, their impact upon the educational system, and the possible role of the educational system in resolving such problems.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**EDFN 603 Qualitative Research in Education 3 Hours**

Qualitative research for graduate students within the educational setting. Includes the foundational theory of qualitative research, methodological designs and techniques of data collecting, analysis, and reporting.

**Prerequisite(s):** EDFN 500

*Recent Term(s) Offered: spring 2023; fall 2023; spring 2024*

**EDFN 612 Seminar in Community College Teaching 3 Hours**

(repeatable max of 9 hrs)

Study of issues and topics critical to the teaching success of potential community college faculty.

**Prerequisite(s):** ADED 611 or permission of instructor

*Recent Term(s) Offered: None*

**EDFN 675 Higher Education in America 3 Hours**

History, purpose, philosophy, organization, curriculum, student personnel services, financial services, and trends of the American system of higher education.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)

*Recent Term(s) Offered: None*

**EDFN 685 Issues in Higher Education 3 Hours**

Major problem areas of academic administration with emphasis on issues and procedures of college and university level curricular development.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)

*Recent Term(s) Offered: None*

**EDFN 703 Field Methods for Qualitative Research 3 Hours**

Developing and conducting qualitative research.

**Prerequisite(s):** EDFN 603

*Recent Term(s) Offered: None*

**EDFN 712 Research Methods and Design for Educational Leaders 3 Hours**

Quantitative and qualitative research methods and design; survey design and administration; and analysis of research reports.

**Restriction(s):** Enrollment limited to students with a semester level of Doctoral Program.

**Equivalent(s):** EDLD 712

*Recent Term(s) Offered: None*

**EDFN 722 Measurement and Survey Methods for Educational Leaders 3 Hours**

Examination of psychometric properties of measurement instruments used in leadership research; data collection and analysis methods used in survey research; issues related to validity, reliability, and fairness; approaches to evaluate the desired properties of research tools; and quantitative data analysis.

**Prerequisite(s):** EDFN 501 or permission of instructor

**Equivalent(s):** EDLD 722

*Recent Term(s) Offered: None*

**EDFN 724 Leadership in Community and Technical Colleges 3 Hours**

The nature of community and technical colleges, their relationship to four-year institutions, their potential for serving work force needs, and the role of the postsecondary administrator in these settings.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)

*Recent Term(s) Offered: None*

**EDFN 726 Change Theory and Practice 3 Hours**

Study of how effective change takes place in organizations as both internal and external forces influence institutions. Resistance to change and how to overcome these barriers will also be addressed, as well as how these changes affect the culture of the organization.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)

*Recent Term(s) Offered: spring 2022; spring 2023*

**EDFN 728 Postsecondary Economics and Finance 3 Hours**

Postsecondary finance issues, including sources/distribution of funding, financial aid programs, declining resources, budgeting and managing resources, and generating resources.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)

*Recent Term(s) Offered: None*

**EDFN 732 Program Evaluation for Educational Leaders 3 Hours**

Program evaluation theory, methods, and practices with a focus on the practical craft of evaluation research; discussion of theoretical and strategic issues of program evaluation; application of quantitative and qualitative research methods to program evaluation contexts.

**Prerequisite(s):** EDLD 722 or permission of instructor

**Restriction(s):** Students with a semester level of Doctoral Program may not enroll.

**Equivalent(s):** EDLD 732

*Recent Term(s) Offered: None*

**EDFN 740 Intermediate Statistics and Design 3 Hours**

Content will include multiple linear regression, generalized linear models, analysis of variance, and research design.

**Prerequisite(s):** (EDLD 722 and EDLD 732) or permission of instructor

*Recent Term(s) Offered: fall 2022; spring 2024; fall 2024*

**EDFN 744 Seminar in Advanced Research Methods 3 Hours**

(repeatable max of 12 hrs)

Advanced topics in research, evaluation, statistics or measurement applied to educational or social and behavioral science problems.

**Prerequisite(s):** permission of instructor

**Equivalent(s):** EDLD 744

*Recent Term(s) Offered: summer 2024*

## Educational Leadership (EDLD)

**EDLD 702 Educational Leadership Doctoral Program Orientation 3 Hours**

An introduction to key concepts of educational leadership and research with emphasis on foundational knowledge and skill development, as well as program, research, and professional development planning.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)

*Recent Term(s) Offered: summer 2022; fall 2022; fall 2023; fall 2024*

**EDLD 710 Leadership Theories and Ethics 3 Hours**

Theory and research on leadership, ethics and managerial effectiveness. Topics include: leadership and management, power and influence, trait theories, current and seminal leadership theories, delegation and shared decision making, as well as morality and ethics for leaders, and current trends in leadership research.

**Prerequisite(s):** EDLD 702

**Restriction(s):** Enrollment limited to students with a semester level of Doctoral Program.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2024*

**EDLD 712 Research Methods and Design for Educational Leaders 3 Hours**

Quantitative and qualitative research methods and design; survey design and administration; and analysis of research reports.

**Restriction(s):** Enrollment limited to students with a semester level of Doctoral Program.

**Equivalent(s):** EDFN 712

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; spring 2024*

**EDLD 720 Individual and Group Issues in Leadership 3 Hours**

Theory and application of leadership issues in organizational behavior, including motivation, attitudes, group process, problem solving, decision making, conflict management, and interpersonal communication.

**Restriction(s):** Enrollment limited to students with a semester level of Doctoral Program.

*Recent Term(s) Offered: summer 2022; spring 2023; summer 2024*

**EDLD 722 Measurement and Survey Methods for Educational Leaders 3 Hours**

Examination of psychometric properties of measurement instruments used in leadership research; data collection and analysis methods used in survey research; issues related to validity, reliability, and fairness; approaches to evaluate the desired properties of research tools; and quantitative data analysis.

**Prerequisite(s):** EDFN 501 or permission of instructor

**Restriction(s):** Enrollment limited to students with a semester level of Doctoral Program.

**Equivalent(s):** EDFN 722

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; fall 2024*

**EDLD 730 Leading the Organization 3 Hours**

Leadership for organizational improvement. Theory and application of systems, communication, culture, change and organizational design, and organizational development.

**Restriction(s):** Students with a semester level of Doctoral Program may not enroll.

*Recent Term(s) Offered: summer 2022; spring 2023; summer 2023; fall 2024*

**EDLD 732 Program Evaluation for Educational Leaders 3 Hours**

Program evaluation theory, methods, and practices with a focus on the practical craft of evaluation research; discussion of theoretical and strategic issues of program evaluation; application of quantitative and qualitative research methods to program evaluation contexts.

**Prerequisite(s):** EDLD 722 or permission of instructor

**Restriction(s):** Enrollment limited to students with a semester level of Doctoral Program.

*Recent Term(s) Offered: summer 2022*

**EDLD 744 Seminar in Advanced Research Methods 3 Hours**

(repeatable max of 12 hrs)

Advanced topics in research, evaluation, statistics or measurement applied to educational or social and behavioral science problems.

**Prerequisite(s):** permission of instructor**Equivalent(s):** EDFN 744*Recent Term(s) Offered: fall 2022***EDLD 794 Educational Leadership Seminar 3 Hours** (repeatable max of 15 hrs)

Seminar in topics and current trends related to educational leadership. Seminars that represent different topics may be repeated for credit with advisor permission.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; fall 2024***EDLD 795 Advanced Topics in Educational Leadership 1-6 Hours**

(repeatable max of 6 hrs)

Individualized independent study in educational leadership. Note: Permission of Director of Education Leadership Doctoral Program required. May be repeated for credit, but no more than six hours may be applied toward the EdD Educational Leadership program.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)*Recent Term(s) Offered: summer 2022; fall 2022; summer 2023***EDLD 796 International Aspects of Educational Leadership 1-6 Hours**

(repeatable max of 6 hrs)

Experiential study of international issues in educational leadership by working with international communities and agencies within or outside the U.S. Note: Permission of Director of Educational Leadership Doctoral Program required. May be repeated for credit, but no more than six hours may be applied toward the EdD Educational Leadership program. International travel may be required at student's expense.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)*Recent Term(s) Offered: None***EDLD 797 Dissertation Seminar 3 Hours**

A seminar designed to assist students in conceptualizing and developing the research for their dissertation. Emphasizes writing and research skills needed to complete the prospectus and begin writing the dissertation. Note: Admission to candidacy or permission of Director of Educational Leadership Doctoral Program required.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)*Recent Term(s) Offered: summer 2022; winter 2023; summer 2023; spring 2024***EDLD 798 Educational Leadership Doctoral Program Internship 3-6 Hours** (repeatable max of 6 hrs)

Internship or experiences designed in coordination with program advisor to enhance knowledge and skills related to educational leadership.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; fall 2024***EDLD 799 Dissertation Research 1-8 Hours** (repeatable max of 30 hrs)

Research undertaken to complete requirements for Doctor of Education in Educational Leadership.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024***EDLD 800 Maintain Matriculation 1-6 Hours** (repeatable max of 6 hrs)

Continued enrollment for dissertation completion. Note: Completion of dissertation credit hours required.

**Prerequisite(s):** permission of instructor**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; fall 2024***EDLD 999 Doctoral Pre-Orientation 0 Hours**

No course description is available

*Recent Term(s) Offered: None*

## Elementary Education (ELED)

**ELED 503 Organization of Elementary School Curriculum 3 Hours**

Principles and practices in elementary school curriculum construction. Emphasis on forces affecting curriculum, current innovations, and trends.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; winter 2023; summer 2023; fall 2023; winter 2024; summer 2024; fall 2024***ELED 505 Mat/Meth/Math/EI Teach 3 Hours**

No course description is available

*Recent Term(s) Offered: spring 2022; summer 2022; spring 2023; summer 2023; spring 2024; summer 2024***ELED 506 Seminar in Elementary School Science 3 Hours**

Advanced methods and materials for teaching science in the elementary school.

*Recent Term(s) Offered: winter 2022; summer 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024***ELED 507 Advanced Materials and Methods in Social Studies 3 Hours**

Concepts and objectives, classroom organization for instruction, current strategies in teaching content, and materials available.

*Recent Term(s) Offered: summer 2022; fall 2022; summer 2023; fall 2023; summer 2024; fall 2024***ELED 509 Advanced Methods and Materials for Elementary Education 3 Hours**

Examination of alternative instructional strategies and support materials appropriate for elementary-age learners in language arts-reading, mathematics, social studies, and science.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; spring 2024; summer 2024***ELED 545 Investigations in Classroom Teaching 1-3 Hours** (repeatable max of 3 hrs)

Opportunity for elementary teachers to engage in the concentrated study of specific problems and/or the development of specific skills related to effective classroom instruction.

*Recent Term(s) Offered: spring 2024*

**ELED 570 Workshop - Elementary Education 1-3 Hours** (repeatable max of 6 hrs)

No course description is available

*Recent Term(s) Offered: None*

**ELED 571 Leadership, Math and Technology Education 3 Hours**

Leadership and pedagogy for integrating mathematics and technology initiatives within elementary school settings.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2023; fall 2023; fall 2024*

**ELED 572 Math and Technology Methods for Diverse Learners 3 Hours**

Methods for teaching mathematics to and integrating technology with diverse learners in the elementary school setting.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**ELED 573 Math and Technology Assessment 3 Hours**

Techniques for using technology to plan, implement, and evaluate mathematics assessment in the elementary school setting.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**ELED 599 Thesis Research/Writing 1-6 Hours** (repeatable max of 6 hrs)

Independent research on a topic related to education or behavioral sciences.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**ELED 600 Maintain Matriculation 1-6 Hours** (repeatable max of 6 hrs)

Continued enrollment for thesis completion.

*Recent Term(s) Offered: None*

**ELED 603 Advanced Seminar Elementary Curriculum 3 Hours**

Strategies and models to assist the elementary classroom teacher in assuming an active role in total elementary school curriculum development.

*Recent Term(s) Offered: None*

**ELED 699 Specialist Project 1-6 Hours** (repeatable max of 6 hrs)

Specialist project research and writing directed by faculty committee.

*Recent Term(s) Offered: None*

**ELED 700 Maintain Matriculation 1-6 Hours** (repeatable max of 6 hrs)

Continued enrollment for specialist project completion.

*Recent Term(s) Offered: None*

## Emergency Management Disaster Science (EMDS)

**EMDS 500 Emergency Management Policy and Practices 3 Hours**

Provides an in-depth look at the history of disaster response and emergency management both within the U.S. and globally. The student will develop a thorough working knowledge of The Incident Command System, including application for small to large incidents, integration of command across local, state, federal and international response agencies.

*Recent Term(s) Offered: winter 2022; fall 2022; winter 2023; fall 2023; spring 2024; fall 2024*

**EMDS 501 Understanding Natural and Technological Disaster Risks 3 Hours**

Explores the technical aspects of natural and technological hazards through the lens of knowledge leaders across the applicable science and engineering disciplines. Students will gain essential skills required to gather and accurately interpret relevant data regarding potential impacts of various disaster types on the populous and critical infrastructure.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**EMDS 502 Terrorism, Violence, Resiliency, and Response 3 Hours**

Explores the complex and dynamic issues around acts of terror and extreme violence, and their impact on organizations and society as a whole. In addition, specific challenges relative to the application of incident management structures to these unique events will be discussed.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**EMDS 503 Advanced Disaster Planning, Management, and Preparedness 3 Hours**

Course focuses on the application of key concepts of emergency management disaster science in plan development, training, and emergency exercise practices.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**EMDS 504 Trends in Disaster Preparedness and Management 3 Hours** (repeatable max of 6 hrs)

Guided discussions with emergency management professionals focused on individual and group research into the dynamic elements that comprise emergency management in today's world.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**EMDS 505 Continuity of Operations Programs 3 Hours**

Guides students through an in-depth exploration of the requirements, concepts, and benefits of continuity of operations planning (COOP). This planning process is applicable to operations at all levels of government, business, industry, education, etc. Topics include vulnerability / threat assessment, planning steps, plan scope, formats, and validation and testing.

*Recent Term(s) Offered: fall 2022*

**EMDS 506 Critical Infrastructure Assessment and Protection 3 Hours**

Reviews various categories of critical infrastructure including transportation routes and assets, vital buildings, places of assembly, and high value terror targets. Focus on identification and assessment of vulnerabilities and potential impacts on human life, commerce and governance, property and the environment. In addition to evaluation of protective measures and mitigation strategies that offer the best protection options.

*Recent Term(s) Offered: spring 2023*

**EMDS 510 Incident Meteorology for Safety Professionals 3 Hours**

Weather plays a critical role during the planning stages of any event (schools, athletics, concerts, hospitals, transportation, infrastructure, gatherings), which can alter costs, affect safety, and potentially drive the overall success. Students will develop an understanding of common weather data (radar and observations), the forecast process, and the various supporting roles meteorologists serve. Students will also learn communication strategies and the operations workflow from governing agencies to the end user.

*Recent Term(s) Offered: summer 2022; summer 2023*

## Engineering Management (EGMT)

### EGMT 510 Emerging Technologies 3 Hours

Discovery of powerfully disruptive technologies, evaluating them accurately and implementing change for profitability.

**Restriction(s):** Enrollment is limited to students in Engineering Management (0447) or Lean Sigma (0452)

*Recent Term(s) Offered: spring 2022; summer 2024*

### EGMT 520 Resource Management 3 Hours

A comprehensive study of efficient allocation of materials and money. Includes a review of basic decision-making techniques, cost-benefit ratio analysis, depreciation, salvage value of equipment, and time value of money.

**Restriction(s):** Enrollment is limited to students in Engineering Management (0447) or Lean Sigma (0452)

*Recent Term(s) Offered: fall 2022; fall 2023*

### EGMT 530 Automated Data Collection Systems 3 Hours

Information systems for industry; collecting and analyzing real time data to make production decisions regarding profitability and quality.

**Restriction(s):** Enrollment is limited to students in Engineering Management (0447) or Lean Sigma (0452)

*Recent Term(s) Offered: None*

### EGMT 535 Workforce Development 3 Hours

Strategies for developing educational opportunities for personnel in industry and appropriate appraisal techniques for program improvement. Includes those topics crucial to developing the nation's workforce, including sociological foundations of workforce education, career development theory, needs assessment, developing objectives, performance assessment and private sector providers of workforce education programs.

**Restriction(s):** Enrollment is limited to students in Engineering Management (0447) or Lean Sigma (0452)

*Recent Term(s) Offered: None*

### EGMT 540 Theory of Constraints 3 Hours

Concepts of theory of constraints (TOC) pertaining to drum-buffer-rope, operations analysis, cost management, decision making and related areas. TOC management strategies and thinking processes applied to business problems.

**Restriction(s):** Enrollment is limited to students in Engineering Management (0447) or Lean Sigma (0452)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

### EGMT 571 Research Methods in Technology Management 3 Hours

A comprehensive study of research methods and experimental design applicable to industrial and technical operations. This course includes a review of basic statistics, quality control techniques, and quality assurance.

**Restriction(s):** Enrollment is limited to students in Engineering Management (0447) or Lean Sigma (0452)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

### EGMT 580 Six Sigma Quality 3 Hours

Management and application of six sigma methodologies including the DMAIC process and data-driven decision making. Advanced quality concepts and statistical process control.

**Restriction(s):** Enrollment is limited to students in Engineering Management (0447) or Lean Sigma (0452)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

### EGMT 588 Product Development 3 Hours

Basic elements of marketing, design, and prototyping for innovation. Study of the multidisciplinary interrelationships involved in the development of commercial products.

**Restriction(s):** Enrollment is limited to students in Engineering Management (0447) or Lean Sigma (0452)

*Recent Term(s) Offered: winter 2023*

### EGMT 590 Operations Leadership 3 Hours

Provides technical professionals with leadership and management skills needed to be effective throughout their career.

**Restriction(s):** Enrollment is limited to students in Engineering Management (0447) or Lean Sigma (0452)

*Recent Term(s) Offered: fall 2022; fall 2024*

### EGMT 594 Lean Systems 3 Hours

Analysis of lean concepts and process improvement in business value streams, production, and distribution. Pull systems, flow control, inventory reduction, waste elimination, and value creation.

**Restriction(s):** Enrollment is limited to students in Engineering Management (0447) or Lean Sigma (0452)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

### EGMT 599 Thesis Research and Writing 1-6 Hours (repeatable max of 6 hrs)

Thesis research and writing directed by faculty committee.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; spring 2024*

### EGMT 600 Maintaining Matriculation 1-6 Hours (repeatable max of 6 hrs)

Continued enrollment for thesis completion.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; summer 2023; fall 2023; spring 2024; fall 2024*

### EGMT 630 Legal and Ethical Issues in Technology 3 Hours

A study of ethics and social responsibility, international and contemporary legal issues in business and industry, and e-commerce.

**Restriction(s):** Enrollment is limited to students in Engineering Management (0447) or Lean Sigma (0452)

*Recent Term(s) Offered: summer 2022; summer 2023*

### EGMT 650 Supply Chain Management 3 Hours

An integrated and comprehensive treatment of operations and supply chain issues. Students study how firms link with their supply chain partners to gain a market advantage and competitiveness.

**Restriction(s):** Enrollment is limited to students in Engineering Management (0447) or Lean Sigma (0452)

*Recent Term(s) Offered: spring 2023; fall 2024*

### EGMT 655 Project Management 3 Hours

Concepts of project management as applicable to a wide range of business and technical situations. Focus on behavioral organizational aspects, quantitative methods, and automated tools.

**Restriction(s):** Enrollment is limited to students in Engineering Management (0447) or Lean Sigma (0452)

*Recent Term(s) Offered: spring 2022; spring 2024*

### EGMT 671 Quality Management 3 Hours

An examination of philosophies, concepts, tools and techniques used in continuous quality improvement programs.

**Restriction(s):** Enrollment is limited to students in Engineering Management (0447) or Lean Sigma (0452)

*Recent Term(s) Offered: fall 2023*

**EGMT 690 Graduate Project 1-6 Hours** (repeatable max of 6 hrs)  
An applied research project, using standard procedures of problem identification, possible solutions, and a final report. Can be either field or laboratory based and must be approved by a graduate faculty committee.  
*Recent Term(s) Offered: spring 2023; spring 2024*

## English (ENG)

**ENG 401G Advanced Composition 3 Hours**  
Study and practice in various forms of writing and rhetorical principles.  
*Recent Term(s) Offered: spring 2022; spring 2024*

**ENG 402G Editing and Publishing 3 Hours**  
Editing collections of student works in several types including experience in computer text editing; lectures by visiting publishers and editors of books, journals, and newspapers.  
*Recent Term(s) Offered: spring 2022; fall 2022; fall 2023; fall 2024*

**ENG 403G Writing Memoir and Autobiography 3 Hours** (repeatable max of 9 hrs)  
A course in the techniques of writing autobiography; readings will be chosen primarily from contemporary American examples of the genre.  
*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**ENG 404G History of the English Language 3 Hours**  
Origin and development of the language from Indo-European to Modern English with emphasis on developments in the sound system, vocabulary, and grammar; historical and cultural effects.  
*Recent Term(s) Offered: None*

**ENG 407G Linguistic Analysis 3 Hours**  
Current linguistic theory which includes the important levels of language as a means of communication; various theories and applications of linguistic theory to other fields of study.  
**Prerequisite(s):** permission of instructor  
*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**ENG 408G 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):** ENG 407G  
*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**ENG 410G Composition Theory and Practice in Writing Instruction 3 Hours**  
A study of contemporary theories of composition with emphasis on their relevance to writing and the teaching of writing.  
*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024; fall 2024*

**ENG 412G 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.  
*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**ENG 415G 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.  
*Recent Term(s) Offered: spring 2023; spring 2024*

**ENG 430G 19th Century American Literature 3 Hours**  
Seminar in 19th-century American literature; course topics will vary.  
*Recent Term(s) Offered: spring 2023*

**ENG 457G British Literature since 1900 3 Hours**  
A study of British fiction, poetry, and/or drama produced between 1900 and the present. Topic will vary.  
*Recent Term(s) Offered: None*

**ENG 460G 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.  
*Recent Term(s) Offered: None*

**ENG 465G Film Genres 3 Hours**  
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.  
**Prerequisite(s):** permission of instructor  
*Recent Term(s) Offered: None*

**ENG 466G Film Theory 3 Hours**  
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):** permission of instructor  
*Recent Term(s) Offered: spring 2024*

**ENG 467G 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.  
**Prerequisite(s):** permission of instructor  
*Recent Term(s) Offered: None*

**ENG 468G 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.  
*Recent Term(s) Offered: spring 2022; spring 2024*

**ENG 471G TESL Practicum 4 Hours**  
Supervised observation and instruction in public school or other appropriate settings, culminating in the production of a portfolio. Note: Students are responsible for arranging their own transportation to designated or assigned sites.  
**Prerequisite(s):** ENG 407G and ENG 408G and ENG 565 and ENG 566 and permission of instructor  
*Recent Term(s) Offered: spring 2022; spring 2023*

**ENG 474G Advanced Poetry Writing 3 Hours** (repeatable max of 9 hrs)  
An advanced, intensive course in the writing of poetry, emphasizing the practice and prevalent theories of contemporary poets.  
*Recent Term(s) Offered: fall 2022*

**ENG 475G Advanced Fiction Workshop 3 Hours** (repeatable max of 9 hrs)  
An advanced and intensive course exploring the techniques of writing fiction, emphasizing contemporary theory and practice.  
*Recent Term(s) Offered: spring 2022; spring 2023*



**ENG 481G Chaucer 3 Hours**

Representative works of Chaucer, with emphasis on *The Canterbury Tales*; backgrounds; outside readings and reports.

*Recent Term(s) Offered: None*

**ENG 482G 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.

*Recent Term(s) Offered: spring 2023*

**ENG 484G British Romanticism 3 Hours**

British literature and culture from the late 18th and early 19th centuries.

*Recent Term(s) Offered: None*

**ENG 486G The Eighteenth Century 3 Hours**

Eighteenth-century literature, forms, and developments.

*Recent Term(s) Offered: None*

**ENG 487G 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.

*Recent Term(s) Offered: None*

**ENG 488G Victorian Literature & Culture 3 Hours**

Studies in Victorian poets and novelists, emphasizing the rise and fall of the British Empire and the birth of mass media.

*Recent Term(s) Offered: fall 2022*

**ENG 489G The British 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.

*Recent Term(s) Offered: None*

**ENG 490G American Novel 3 Hours**

Study of the American novel as a genre. Topic will vary by semester.

*Recent Term(s) Offered: fall 2023*

**ENG 493G American Poetry 3 Hours**

The course examines, in addition to major writers, selected major movements and schools in American poetry, paying special attention to influences, techniques and styles.

*Recent Term(s) Offered: None*

**ENG 495G Southern Literature 3 Hours**

Selected texts by writers from and about the United States South.

*Recent Term(s) Offered: fall 2022; fall 2024*

**ENG 497G 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.

*Recent Term(s) Offered: spring 2022; spring 2024*

**ENG 501 Graduate Writing Workshop 3 Hours (repeatable max of 21 hrs)**

Provides a Master's level workshop for students with varied writing interests.

*Recent Term(s) Offered: spring 2022; fall 2022; winter 2023; spring 2023; fall 2023; spring 2024; fall 2024*

**ENG 502 Graduate Directed Writing 3 Hours**

Provides a graduate-level directed writing course for students with varied writing interests.

*Recent Term(s) Offered: None*

**ENG 504 Studies in American Literature 3 Hours (repeatable max of 6 hrs)**

Focuses on an area of study in American literature from a range of historical periods; explores a particular topic and/or an array of literary genres or modes.

*Recent Term(s) Offered: spring 2022; spring 2023; fall 2024*

**ENG 506 Introduction to Professional & Technical Writing 3 Hours**

ENG 506 provides a foundation in the core theories and practices of technical and professional writing. The course covers relevant scholarship, theories, methods, genres, and practices of the field of professional and technical writing. Students will create a portfolio that showcases their abilities as a professional and technical writer.

*Recent Term(s) Offered: spring 2024*

**ENG 507 Introduction to Creative Writing Studies 3 Hours**

An introduction to the field of creative writing studies; its history within academia; its pedagogies; and its distinctive culture, including common practices in networking, lifelong learning and professional development, and best practices for writers seeking to publish their work.

**Restriction(s):** Enrollment is limited to students in Creative Writing (0478)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**ENG 509 Practicum in One-to-One Writing Instruction 0 Hours**

Participants will study the theory and practice of writing conferences and tutorials. Course will prepare participants to work individually with students, both as part of classroom instruction and in tutorial settings. Note: This course is reserved for graduate assistants in the English Department.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**ENG 510 Graduate Rhetoric and Writing 3 Hours**

Rhetorical theories and the practical considerations of college writing instruction. Open to all students but required of teaching assistants prior to their first teaching assignment.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**ENG 511 Writing Instruction Practicum 0 Hours**

A practicum in composition instruction for English Department graduate assistants who will be teaching ENG 100 as part of their assistantship in subsequent semesters. Note: Department graduate assistant status and completion of a minimum of nine hours of English course work required.

**Restriction(s):** Enrollment is limited to students in Creative Writing (0478) or English (067)

*Recent Term(s) Offered: None*

**ENG 512 Reading as a Writer 3 Hours**

A reading course for creative writers. Students will closely read and discuss literary works and craft essays. They will analyze and emulate the forms and techniques of leading practitioners of poetry, literary fiction, creative nonfiction, and scriptwriting.

**Restriction(s):** Enrollment is limited to students in Creative Writing (0478)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**ENG 514 Studies in British Literature 3 Hours** (repeatable max of 6 hrs)

Focuses on an area of study in British literature from a range of historical periods; explores a particular topic and/or an array of literary genres or modes.

*Recent Term(s) Offered: None*

**ENG 515 Internship 1-6 Hours** (repeatable max of 6 hrs)

Professional work experience combined with faculty direction.

**Restriction(s):** Enrollment is limited to students in Creative Writing (0478)

*Recent Term(s) Offered: spring 2022; fall 2022; fall 2023; fall 2024*

**ENG 516 Literature and Pedagogy 3 Hours**

Pedagogical theories and the practical considerations of teaching college literature. Note: In addition to prerequisite courses, 3 hours of graduate literature coursework required.

**Prerequisite(s):** ENG 510 and (ENG 507 or ENG 520)

*Recent Term(s) Offered: fall 2022; fall 2023*

**ENG 520 Introduction to Graduate Studies 3 Hours**

Basic bibliography and bibliographical problems; research methods requisite for the MA thesis and scholarly publications; methodologies of recent critical essays.

*Recent Term(s) Offered: fall 2023; fall 2024*

**ENG 524 Studies in World Literature 3 Hours** (repeatable max of 6 hrs)

A study of world literature, ranging widely over historical periods (classical to modern) and geographical areas (Eastern and Western), including both canonical works and non-traditional literatures; topics will vary every semester.

*Recent Term(s) Offered: fall 2022*

**ENG 534 Studies in Genre 3 Hours** (repeatable max of 6 hrs)

Study of a particular genre, such as the novel, short stories, life writing, poetry, or drama. Topics will vary.

*Recent Term(s) Offered: spring 2024*

**ENG 565 Integrated Teaching English as a Second Language 3 Hours**

Solid foundation in the theories of child-adult classroom-based language learning and methods for English language instruction. Field experiences in public schools or other appropriate settings away from campus are required. Note: Students are responsible for arranging their own transportation to designated or assigned sites.

*Recent Term(s) Offered: spring 2022; fall 2022; fall 2023; fall 2024*

**ENG 566 Seminar in Teaching English as a Second Language 3 Hours**

Creating, selecting, and evaluating materials for Teaching English as Second Language. Emphasis will be on aligning materials and methods with theoretical approaches, curricular objectives, and empirical data.

*Recent Term(s) Offered: spring 2023; spring 2024*

**ENG 586 Seminar in British Writers 3 Hours** (repeatable max of 6 hrs)

Content varies. Selected works or writers.

*Recent Term(s) Offered: None*

**ENG 596 Seminar in American Writers 3 Hours** (repeatable max of 6 hrs)

Topics will vary. Selected works or writers.

*Recent Term(s) Offered: None*

**ENG 597 Special Topics in English 3 Hours** (repeatable max of 9 hrs)

Seminar on topics in literature, language, or composition.

*Recent Term(s) Offered: spring 2023; fall 2023; spring 2024; fall 2024*

**ENG 598 Advanced Directed Study 3-6 Hours** (repeatable max of 6 hrs)

Supervised student research on literary or linguistic topics.

*Recent Term(s) Offered: fall 2024*

**ENG 599 Thesis Research and Writing 1-6 Hours** (repeatable max of 6 hrs)

Thesis research and writing directed by faculty committee.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**ENG 600 Maintaining Matriculation 1-6 Hours** (repeatable max of 6 hrs)

Continued enrollment for thesis completion.

*Recent Term(s) Offered: fall 2023; spring 2024; fall 2024*

## Environmental & Occupational Health Science (EOHS)

**EOHS 502 Health Promotion in the Workplace 3 Hours**

Provides specific skills and concepts for worksite health promotion as it pertains to designing, implementing, and evaluating multifaceted health promotion programs in the workplace. Additional skills acquired in this course include financial and marketing strategies, policy development, and effective communication between employer and employee.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**EOHS 503 Health Assessment in Workplace 3 Hours**

This course presents concepts and teaches skills needed to assess health status at the individual, organizational, and community levels in a workplace wellness environment. Emphasis is placed on, but not limited to, physical and psychological components of health.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**EOHS 504 Principles of Total Worker Health and Worker Well Being 3 Hours**

Advance understanding of both organizational and individual factors that influence total worker health. Introduce theoretical frameworks, strategies, and principles to promote worker well-being.

*Recent Term(s) Offered: None*

**EOHS 510 Watershed Management and Science 3 Hours**

Watershed management and science including water resources protection, watershed health development and assessment, and environmental and water ethics.

*Recent Term(s) Offered: fall 2022; fall 2023*

**EOHS 546 Environmental & Occupational Health Science Internship 3,6 Hours** (repeatable max of 6 hrs)

Supervised experience in an organization, facility, industry or business with Environmental, Occupational Health & Safety or Workplace Health Promotion responsibilities (or a combination of those). Assignments individually arranged. Note: Off-campus travel required. Permission of EOHS internship coordinator required.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**EOHS 550 Principles of Occupational Safety and Health 3 Hours**

Examines the principles of occupational safety and health in the workplace for controlling hazards, preventing occupational exposures, and improving worker health. Concepts surveyed will include hazards in the workplace, hazard and safety analysis, hierarchy of controls, injury prevention, industrial hygiene, workplace health promotion, and occupational safety and health management.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**EOHS 560 Environmental Management and Risk Assessment 3 Hours**

Application of environmental management systems, methods, and tools to mitigate threats to environmental and human health. Guide students to understand their role as an environmental health professional working with the public and private sectors in controlling adverse environmental conditions through the competencies of assessment, management, and communication. Application of risk assessment as it relates to human and environmental health.

**Prerequisite(s):** PH 584 or permission of instructor

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024; fall 2024*

**EOHS 570 Industrial Hygiene 3 Hours (repeatable max of 6 hrs)**

Presents contemporary occupational exposure and hazard issues in the workplace. Issues of industrial hygiene and general methods of control are addressed. Note: Field trips required; students responsible for own transportation.

**Prerequisite(s):** EOHS 577 and PH 520

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**EOHS 571 Air Quality Management 3 Hours**

Examines the origins, dispersion, control and effects of air pollution; indoor air pollution; and the history of air quality control management. Provides a balanced account of air quality control regulations including the provisions and implications of the Federal Air Quality regulations, standards, setting, policy implementation and technical and management aspects of air quality control.

**Prerequisite(s):** PH 584 or permission of instructor

*Recent Term(s) Offered: fall 2023; fall 2024*

**EOHS 572 Environmental and Occupational Epidemiology 3 Hours**

The course will introduce student to the research approaches for the epidemiologic study of the environmental and workplace hazards. This course involves the study and reasoning of environmental and occupational epidemiologic study designs, basic and novel methods of characterizing exposures, and techniques for designing epidemiologic studies, and implementing methods to improve the evaluation of research in these fields.

*Recent Term(s) Offered: spring 2024*

**EOHS 577 Environmental Toxicology 3 Hours**

Toxicological principles and environmental risk assessment with emphasis on routes of exposure, biokinetics, and response to chemical stressors.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**EOHS 580 Solid and Hazardous Wastes 3 Hours**

Management of solid and hazardous wastes in the environment. Emphasis on regulatory compliance, control and remediation technologies, and environmental pathways.

*Recent Term(s) Offered: spring 2023; spring 2024*

**EOHS 595 Public Health Management of Disasters 3 Hours**

Examines the background and history of natural and technological disasters, their characteristics, human health and environmental impacts, and the management activities needed to control them. Provides an overview of federal programs to enhance state and local prevention, preparedness, and public health response to disasters.

**Prerequisite(s):** PH 584 or permission of instructor

*Recent Term(s) Offered: None*

**EOHS 598 Capstone in Environmental and Occupational Health 3 Hours**

Examine, refine, and demonstrate environmental health and/or occupational health and safety competencies. Students gain knowledge and skills in environmental and occupational health practice by working with an interdisciplinary team to solve a real-world environmental and occupational health and safety issue. Each student has the opportunity to apply classroom and practical experience received throughout their MS-EOHS coursework into an integrative experience. Students particularly will gain skills in exposure science, data analytics, advocacy, communication with diverse workforce audiences on contemporary EOHS issue, and improves the articulation of theory to practice through development, composition, and presentation of a research or analytic project on a relevant EOHS topic.

**Prerequisite(s):** permission of instructor

**Restriction(s):** Enrollment limited to students with a semester level of Masters Degree.

*Recent Term(s) Offered: None*

## Environmental Education (ENVE)

**ENVE 520 Introduction to Environmental Education 3 Hours**

This course will provide students with an introduction to the field of environmental education, including basic history and philosophy, methodologies, resources for educators, and current trends in the field.

*Recent Term(s) Offered: fall 2022; spring 2024; summer 2024*

**ENVE 560 Investigating and Evaluating Environmental Issues 3 Hours**

Specifically designed for teachers and other educators, course focuses on the identification and evaluation of specific environmental issues, leading to possible environmental/service action projects by their students, with attention to the potential outcomes of such projects on the physical environment, other humans, and other living things.

*Recent Term(s) Offered: fall 2023*

**ENVE 580 Instructional Strategies in Environmental Education 3 Hours**

Specific teaching strategies associated with the field of environmental education programs will be addressed, with an emphasis on active, experiential learning. Portions of the course are taught in field settings. Students are responsible for arranging their own transportation to designated or assigned sites.

*Recent Term(s) Offered: spring 2023; spring 2024; summer 2024*

**ENVE 585 Special Topics in Environmental Education 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 environmental education.

*Recent Term(s) Offered: summer 2024*

## Family and Consumer Sciences (FACS)

### FACS 510 Professional Development Seminar in Family and Consumer Sciences 3 Hours

Examines recent developments and trends to enable students to consult and collaborate with other professionals. Provides the foundation for life-long learning and the development of depth and breadth in FACS professions.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

### FACS 511 Grant Writing for Child and Family Programs 3 Hours

Introduce and provide students with the background necessary to develop a funding proposal. The grant writing process and how to manage the award will be explored.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

### FACS 521 Interior Ergonomics I 3 Hours

Sociological and psychological factors in interior design—separately, in relation to each other, and in relationship to other disciplines.

*Recent Term(s) Offered: None*

### FACS 522 Interior Ergonomics 3 Hours

Cultural and anthropometric literature related to interior design; interrelationships between culture and anthropometrics.

*Recent Term(s) Offered: None*

### FACS 531 Cultural Patterns-Dress 3 Hours

In-depth analysis of literature and research to cultural aspects of clothing. Specific cultural emphasis will vary.

*Recent Term(s) Offered: None*

### FACS 533 Fashion Merchandising 3 Hours

Principles, problems, and practices of curriculum, field experiences, and extended classroom activities related to fashion merchandising.

*Recent Term(s) Offered: None*

### FACS 535 Textile Analysis 3 Hours

Qualitative and quantitative techniques for physical and chemical analysis of textiles. Planning and conducting textiles analyses and evaluating resulting data.

*Recent Term(s) Offered: None*

### FACS 536 Seminar in Institutional and Home Environment 3 Hours

Technological, cultural, and educational developments in institutional and home environment. Opportunity to pursue individual interest in specialized areas, e.g., textiles, clothing, merchandising, interior design, housing, foods, home economic education, etc.

*Recent Term(s) Offered: None*

### FACS 537 Critique and Design of Investigations in Textiles and Clothing 3 Hours

Opportunity to pursue individual interest in specialized areas, e.g., textiles, clothing, merchandising, interior design, housing, foods, nutrition, textiles, home economics education, etc. Critical evaluation of theses and published research.

*Recent Term(s) Offered: None*

### FACS 540 Infant and Toddler Development and Research 3 Hours

In-depth study of infant and toddler development and theories, integrating and applying current research in relevant areas. Note: Successful completion of an undergraduate child development course required.

*Recent Term(s) Offered: None*

### FACS 541 Home Based Positive Behavioral Supports 3 Hours

Acquaints students with positive behavioral assessment and supports working with parents of typically developing children in home settings. Observation hours required.

*Recent Term(s) Offered: None*

### FACS 542 Stress and Coping in Children 3 Hours

Prepare students to work with children who are facing extreme stress.

Factors influencing development of coping skills in children are emphasized. Observation hours required. Note: Successful completion of an undergraduate child development course required.

*Recent Term(s) Offered: None*

### FACS 543 Global Perspectives of Child and Family 3 Hours

Study of similarities and variations of child development, family relations, and parenting among cultures from different regions around the world and in the United States. Note: Successful completion of an undergraduate child development course required.

*Recent Term(s) Offered: fall 2022*

### FACS 544 Issues in Child Care and Early Education 3 Hours

Comprehensive review and discussion of theory, research, practice, and public policy aspects of child care and early education within their cultural and historic contexts. Observation hours required.

*Recent Term(s) Offered: None*

### FACS 550 Youth and Family Theory and Research 3 Hours

Analysis of theories and research relevant to the development of adolescents and family life. Prepare professionals to work with youth and families in various settings. Field work required.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

### FACS 551 Community, Child, & Youth Program Development 3 Hours

Basic concepts in planning, conducting, administering, and evaluating community child and youth programs.

*Recent Term(s) Offered: spring 2022; spring 2023*

### FACS 560 Family Diversity 3 Hours

Examination of the multiple meanings of family. Particular focus includes the history, demographics, and cultural variations of traditionally marginalized groups and relationships.

*Recent Term(s) Offered: None*

### FACS 561 Adult Development and Aging in the Family 3 Hours

Examination of the development of the adult through the life cycle and aging processes in the context of family and relationships. Particular interest is paid to biological, cognitive, social, and cross-cultural theories of development.

*Recent Term(s) Offered: None*

### FACS 562 Advanced Family Resource Management 3 Hours

Advanced study and application of consumerism as it relates to families.

*Recent Term(s) Offered: None*

### FACS 571 Seminar in Family and Consumer Science Education 3 Hours

No course description is available

*Recent Term(s) Offered: None*

**FACS 572 Curriculum Development in Family and Consumer Sciences Education 3 Hours**

Curriculum trends in family and consumer sciences education and curriculum development in specialized fields of family and consumer sciences.

*Recent Term(s) Offered: None*

**FACS 573 Evaluation in Family and Consumer Sciences Education 3 Hours**

Theory and techniques of evaluation in family and consumer sciences education at different levels. Analysis and refinement of instruments; interpretation of results of self-evaluation; and effective administration of programs.

*Recent Term(s) Offered: None*

**FACS 574 Supervision in Family and Consumer Sciences Education 3 Hours**

Theory, principles, and techniques of preservice and in-service training of teachers in family and consumer sciences. Emphasis on preparation of supervisory materials and evaluation.

*Recent Term(s) Offered: None*

**FACS 575 Independent Study in Family and Consumer Sciences 3 Hours**

Evaluation of family and consumer sciences investigations. Includes planning and completing an individual study of limited scope.

*Recent Term(s) Offered: None*

**FACS 577 Child Development Theory and Research 3 Hours**

Analysis of current theories and research relevant to the development of social-perceptual cognitive, and physical-physiological processes in children.

*Recent Term(s) Offered: spring 2022*

**FACS 580 Capstone in Child & Family Studies 3 Hours (repeatable max of 6 hrs)**

A culminating capstone project in child and family studies allowing students to apply understanding, knowledge, and skills learned in their degree program to real life situations. Projects must have theoretical and applied components. Students will choose a community-based site to complete the project in conjunction with and also work with a faculty supervisor.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; fall 2024*

**FACS 582 Sensory Evaluations and Qualities of Food 3 Hours**

Principles and methodologies in sensory evaluations of foods; collection, analysis, and presentation of sensory data; focuses on determinants of quality in foods.

*Recent Term(s) Offered: None*

**FACS 585 Nutrition for the Elderly 3 Hours**

Analysis of literature and research related to nutritional problems of the elderly; analysis of resources that assist them with their specific problems. (Lecture, field trips, and lab)

*Recent Term(s) Offered: None*

**FACS 598 Special Topics in Family and Consumer Sciences 1-6 Hours (repeatable max of 6 hrs)**

No course description is available.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2023; fall 2023; spring 2024; summer 2024*

**FACS 599 Thesis Research/Writing 1-6 Hours (repeatable max of 6 hrs)**

Thesis research and writing directed by faculty committee.

*Recent Term(s) Offered: None*

**FACS 600 Maintaining Matriculation 1-6 Hours (repeatable max of 6 hrs)**

Continued enrollment for thesis completion.

*Recent Term(s) Offered: None*

## Finance (FIN)

**FIN 437G Corporate Asset Management 3 Hours**

Advanced level exposure to valuation concepts, capital budgeting decisions, working capital management, and mergers and acquisitions. Deals with the current theory and practice of corporate finance in these areas.

**Prerequisite(s):** FIN 330 with a minimum grade of C and ECON 307 (may be taken concurrently)

*Recent Term(s) Offered: None*

**FIN 439G SEC Analysis/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

*Recent Term(s) Offered: None*

**FIN 449G Practicum in Portfolio 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.

**Prerequisite(s):** FIN 332

*Recent Term(s) Offered: None*

## Folk Studies (FLK)

**FLK 410G 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.

*Recent Term(s) Offered: None*

**FLK 445G 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.

*Recent Term(s) Offered: spring 2023*

**FLK 462G Folklore and Medicine 3 Hours**

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.

*Recent Term(s) Offered: None*

**FLK 464G 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 2023*

**FLK 470G Museum Procedures and Preservation Techniques 3 Hours**

Essential aspects of museums and of preservation, i.e., collecting, preserving, researching, exhibiting, and interpreting material culture.

*Recent Term(s) Offered: spring 2022; spring 2024*

**FLK 478G 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: None*

**FLK 480G Women's Folklife 3 Hours**

The various images and roles of women in the U.S. and selected world cultures as reflected in folklife materials such as narratives, beliefs, ballads, rhymes, games, customs, and folk arts.

*Recent Term(s) Offered: spring 2024*

**FLK 560 Cultural Conservation 3 Hours**

Survey of the history, organization, development, and major issues of cultural conservation, specifically as they relate to folklife and the built environment.

*Recent Term(s) Offered: fall 2023*

**FLK 561 Folk Arts and Technology 3 Hours**

Examination of the study of material folk culture from various methodological and theoretical perspectives, including artifactual analysis, design theory and ethnoaesthetics.

*Recent Term(s) Offered: fall 2022*

**FLK 562 Folklore and Education 3 Hours**

Methods, theories, skills and resources for teaching folklore, with an emphasis on the K-12 curriculum. Teaching, teacher training, preparation of guides, lesson plans and curricula, and multiculturalism will be covered.

*Recent Term(s) Offered: spring 2023*

**FLK 566 Oral History 3 Hours**

Methods and theories of oral history, legal and ethical considerations, uses and planning of local oral history projects.

*Recent Term(s) Offered: spring 2022; fall 2023*

**FLK 569 Folklore Genres 3 Hours**

An examination of the oral, customary, and material culture genres of folklore, and the theories and methods of genre studies.

*Recent Term(s) Offered: fall 2022*

**FLK 571 Folk Narrative 3 Hours**

A survey of narrative genres of folklore and relevant scholarship.

*Recent Term(s) Offered: spring 2022; fall 2023*

**FLK 572 Public Folklore 3 Hours**

History, methods, and issues of public folklore.

*Recent Term(s) Offered: fall 2022*

**FLK 575 Folk Belief 3 Hours**

An examination of vernacular belief systems and practices, including folk religion, alternative and folk healing, divination, ritual, legend, and myth. Current historical, philosophical, anthropological, and folkloristic theories will be covered.

*Recent Term(s) Offered: spring 2023*

**FLK 576 American Traditional Music 3 Hours**

An examination of diverse forms of traditional American musical expression.

*Recent Term(s) Offered: None*

**FLK 577 Folklore Theory 3 Hours**

Folklore scholarship, its historical development, and its principal bibliographical materials.

*Recent Term(s) Offered: spring 2022; spring 2023; fall 2023*

**FLK 578 Folklore Fieldwork 3 Hours**

Examination of methodological issues and techniques in folklore fieldwork.

*Recent Term(s) Offered: fall 2022; spring 2024*

**FLK 579 Independent Study Folklore 3 Hours**

Supervised individual study under the direction of a member of the folklore graduate faculty.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022; fall 2022*

**FLK 580 Folklore Conversation and Communication 3 Hours**

Forms of folklore which occur within a conversational stream. Expressive culture as a particular culture-specific mode of communication.

*Recent Term(s) Offered: None*

**FLK 581 Public Folklore Policy and Practice 3 Hours**

Engagement with current policy and practice issues of public folklore documentation, presentation, and conservation. Emphasis on the role of the federal government and non-profit agencies as they relate to public folklore policy and practice.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: winter 2023*

**FLK 585 Topics in Folklore 3 Hours (repeatable max of 6 hrs)**

Topics of current interest in the field. Content varies according to the instructor and needs of the students.

*Recent Term(s) Offered: None*

**FLK 586 Capstone Course in Historic Preservation 1-3 Hours**

(repeatable max of 6 hrs)

Capstone course for students seeking careers in historic preservation.

Application of acquired theory and practice in developing a single project in historic preservation.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**FLK 587 Capstone Course in Public Folklore 1-3 Hours (repeatable**

max of 6 hrs)

Capstone course for students seeking careers in public folklore.

Application of acquired theory and practice in developing a single project in public folklore.

**Prerequisite(s):** FLK 572 and permission of instructor

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022*

**FLK 589 Internship 1-3 Hours (repeatable max of 6 hrs)**

Supervised work situation with cooperating business, industry, social or governmental agency, emphasizing application of advanced knowledge and skills in folk studies.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: summer 2022; summer 2023*

**FLK 590 Capstone in Museum Studies 1-3 Hours** (repeatable max of 6 hrs)

Capstone course for students seeking careers in museum studies. Application of acquired theory and practice in developing a single project in museum studies.

**Prerequisite(s):** permission of instructor  
*Recent Term(s) Offered: spring 2022*

**FLK 599 Thesis Research and Writing 1-6 Hours** (repeatable max of 6 hrs)

Master's thesis in folk studies.

**Restriction(s):** Enrollment is limited to students in Folk Studies (069)  
*Recent Term(s) Offered: spring 2022; fall 2023; spring 2024*

**FLK 600 Maintaining Matriculation 1-6 Hours** (repeatable max of 6 hrs)

Continued enrollment for thesis completion.

*Recent Term(s) Offered: summer 2022; fall 2022; spring 2023; summer 2024*

**FLK 760 Public Policy and Cultural Heritage 3 Hours**

Examines key issues at the intersection of public policy and cultural heritage with an emphasis on case studies and models for addressing these issues from an applied folklore perspective.

**Prerequisite(s):** (FLK 560 or equivalent) or permission of instructor  
*Recent Term(s) Offered: None*

**FLK 765 Leadership Seminar in Applied Folklore 3 Hours**

Examination of history and current state of leadership practice in applied folklore with emphasis on case studies and the development of mentoring relationship with senior folklorists.

*Recent Term(s) Offered: None*

**FLK 772 Folklore and Public Practice 3 Hours**

Explores the various dimensions of folklore and public practice at an advanced level, including the examination of specific case studies and the application of knowledge to specific student-development projects.

**Prerequisite(s):** FLK 572 or equivalent  
*Recent Term(s) Offered: None*

**FLK 775 Activism and Politics in Applied Folklore 3 Hours** (repeatable max of 6 hrs)

Investigates the uses of folklore in historical and contemporary political and social activism.

*Recent Term(s) Offered: None*

**FLK 778 Advanced Folklore Fieldwork and Research Methods 3 Hours**

Advanced examination of historical and contemporary theory and practice of ethnographic fieldwork.

**Prerequisite(s):** FLK 578 or equivalent  
*Recent Term(s) Offered: None*

**FLK 785 Topics in Applied Folklore 3 Hours** (repeatable max of 6 hrs)

Topics of current interest in applied folklore. Content varies according to the instructor and needs of the students.

*Recent Term(s) Offered: None*

**FLK 789 Practicum in Applied Folklore 1-6 Hours** (repeatable max of 6 hrs)

Supervised professional experience in Applied Folklore.

*Recent Term(s) Offered: None*

**FLK 799 Dissertation Research 1-9 Hours**

Research undertaken to complete requirements for Doctor of Folklore Practice.

*Recent Term(s) Offered: None*

**FLK 800 Maintain Matriculation 1-3 Hours** (repeatable max of 6 hrs)

Course enrollment requirement during completion of dissertation.

*Recent Term(s) Offered: None*

## French (FREN)

**FREN 420G French Stylistics 3 Hours**

Creative self-expression, refinement of grammatical understanding, the art of translation, and stylistic devices.

**Prerequisite(s):** FREN 320  
*Recent Term(s) Offered: None*

**FREN 421G Advanced French Conversation 3 Hours**

Discussion on assigned topics and reports on current newspaper and magazine articles. Special emphasis on idiomatic expression.

**Prerequisite(s):** FREN 321  
*Recent Term(s) Offered: None*

**FREN 427G Francophone Culture 3 Hours**

Covers all Francophone countries (including France) and deals with various aspects of culture: oral literature (legends, customs, etc.), music, religion.

**Prerequisite(s):** FREN 323  
*Recent Term(s) Offered: None*

**FREN 445G French Canadian Literature 3 Hours**

A survey of the Quebecois novel, theatre and poetry through a selection of 19th and 20th century writers.

**Prerequisite(s):** (FREN 314 or FREN 321 or FREN 326) or permission of instructor  
*Recent Term(s) Offered: None*

**FREN 450G Topics in Francophone Cinema 3 Hours**

Course examines the way Francophone film directors and social scientists look at various aspects of the most recent cinema: general narrative structure, recurring patterns, relation form/content, ideology.

*Recent Term(s) Offered: None*

**FREN 520 Seminar French Literature/Language 3 Hours**

A seminar involving the study of a single French author, school of literature, or particular emphasis in a literary genre; or an advanced level study of the French language, its use, development, and/or linguistic principles.

*Recent Term(s) Offered: None*

## Gender & Women's Studies (GWS)

**GWS 421G Women, Gender, and Science 3 Hours**

Study of women's participation in the natural and physical sciences, the scientific education of women, contemporary workplaces, and feminist critiques of science.

**Prerequisite(s):** permission of instructor  
*Recent Term(s) Offered: None*

**GWS 470G Special Topics in Gender and Women's Studies 3 Hours**  
(repeatable max of 6 hrs)

A detailed study of a specialized topic in Women's Studies.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**GWS 535 Roots of Feminism 3 Hours**

Survey of key historical feminist writings with emphasis on intersections of gender, race, class, and sexuality in feminist theory.

*Recent Term(s) Offered: None*

**GWS 545 Feminist Knowledge and Social Change 3 Hours**

Examination of both feminist knowledge and research as political practices that have the goal of improving the lives of women and challenging rigid configurations of race, class, gender, and other elements of difference.

*Recent Term(s) Offered: None*

**GWS 555 Global and Cross-Cultural Perspectives on Women 3 Hours**

Examination of a range of scholarship done in various disciplines on women's political practices around the world and a comparison of women's experiences cross-culturally.

*Recent Term(s) Offered: None*

**GWS 565 Black Feminism and the Politics of Community 3 Hours**

Examination of the U.S. Black feminist movement, with attention to challenges with Black communities and across social movements such as feminism and Civil Rights, and to transnational perspectives.

*Recent Term(s) Offered: None*

**GWS 570 Special Topics in Gender & Women's Studies 1-6 Hours**  
(repeatable max of 6 hrs)

A detailed study of a specialized topic in gender & women's studies.

**Restriction(s):** Enrollment is limited to students in Gender Women's Studies (1712)

*Recent Term(s) Offered: None*

**GWS 575 Gender, Justice, and Sustainability 3 Hours**

A multidisciplinary examination of political and economic implications of global sustainability, with particular attention to gender and justice.

*Recent Term(s) Offered: None*

**GWS 589 Internship in Women's Studies 3 Hours**

Supervised work situation with cooperating business, industry, social or governmental agency whose primary purpose is advocacy for women. Emphasis on the application of advanced knowledge and skills in women's studies and applicable academic discipline.

*Recent Term(s) Offered: None*

**GWS 590 Directed Study in Women's & Gender Studies 1-3 Hours**  
(repeatable max of 6 hrs)

Individual research in a specific area of women's studies in close cooperation with supervising faculty in women's studies or other field. Note: Completion of 9 hours in Gender & Women's Studies certificate required.

**Prerequisite(s):** permission of instructor

**Restriction(s):** Enrollment is limited to students in Gender Women's Studies (1712)

*Recent Term(s) Offered: None*

**GWS 625 Women and Leadership 3 Hours**

Cross-disciplinary study of women leaders, issues of gender, race, class and power in relationship to women leaders and contemporary issues facing women leaders.

*Recent Term(s) Offered: None*

**GWS 630 Feminist Pedagogies 3 Hours**

Multidisciplinary seminar examining a range of approaches to feminist teaching including standard methodologies, issues of professionalism, academic hierarchies, ethics, and feminist communities of research.

Note: Completion of 9 hours in the Gender & Women's Studies certificate required.

**Prerequisite(s):** permission of instructor

**Restriction(s):** Enrollment is limited to students in Gender Women's Studies (1712)

*Recent Term(s) Offered: None*

## Geoscience (GEOS)

**GEOS 500 Geoscience Research and Literacy 3 Hours**

Development of geoscience research skills with emphasis on posing of research problems, documentation, organization, and presentation.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**GEOS 501 Seminar in Geoscience 3 Hours**

Topical seminar examining current issues and trends of the discipline and related fields, recent research, and the role of science, communication, and technology in society.

*Recent Term(s) Offered: None*

**GEOS 502 Geoscience Research Methods 3 Hours**

This course will introduce basic Geoscience methods techniques, provide exposure to lab and field environments, and focus on methods development and synthesizing data for dissemination. The main components will include (1) generating appropriate questions that can be answered with methodical data collection, (2) project planning to focus research efforts, (3) methods and techniques of data collection, (4) processing and analysis of data, and (5) synthesizing and communicating methods and datasets. Field trips and application-based exercises may be required.

**Prerequisite(s):** GEOS 500 (may be taken concurrently)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**GEOS 505 Biogeography 3 Hours**

The evolutionary, geographical, ecological, pedological, and edaphic factors involved in the naturalization, acclimatization, and distribution of plant and animal life. Note: Introductory course in geography and/or biology required.

*Recent Term(s) Offered: None*

**GEOS 506 Seminar in Environmental Science and Sustainability 1-3 Hours**

Guided seminar-style course focused on major environmental and sustainability issues from an applied, multidisciplinary perspective. Course includes seminars by expert professionals and scientists in their respective fields providing experiential context for the issues being discussed.

*Recent Term(s) Offered: None*



**GEOS 507 Geographic Concepts and Skills for Teachers 3 Hours**

Designed for experienced social studies, earth science, and geoscience teachers. Provides up-to-date geographic content, information, and related geographic skills with geography core content for the P-12 classroom.

**Equivalent(s):** EDU 507

*Recent Term(s) Offered:* summer 2022

**GEOS 510 Selected Topics in Geoscience 1-3 Hours** (repeatable max of 6 hrs)

Special topics in applied or basic geoscience topics.

*Recent Term(s) Offered:* spring 2022; summer 2022; fall 2022; spring 2023; fall 2023; winter 2024; spring 2024; summer 2024

**GEOS 515 Remote Sensing Applications 3 Hours**

Applications of remote sensing, analysis of current systems in use globally, and use of data for research and policy. Associated laboratory work and research project includes remote sensing techniques.

*Recent Term(s) Offered:* spring 2022

**GEOS 517 Spatial Databases 3 Hours**

Advanced topics in GIS database planning, design and implementation and administration. Covers a variety of GIS data models and their design and use in spatial database engines (SDG) used with database management systems software.

*Recent Term(s) Offered:* None

**GEOS 520 Geoscience Statistical Methods 3 Hours**

This course introduces a variety of statistical methods appropriate for the analysis of spatial and temporal data sets commonly used in geosciences.

*Recent Term(s) Offered:* spring 2022; spring 2023; spring 2024

**GEOS 521 Seminar in Geomorphology 3 Hours**

Systematic study of the processes that shape and modify Earth's landforms and landscapes in a variety of spatial and temporal scales. Coupling between climatic, biologic, tectonic, and human influences on landscape changes are examined.

*Recent Term(s) Offered:* spring 2023

**GEOS 522 Seminar in Physical Climatology 3 Hours**

Addresses the complexity of climactic processes at multiple spatial and temporal scales, and from selected theoretical and practical perspectives.

**Prerequisite(s):** (METR 324 and MATH 237) or equivalent

*Recent Term(s) Offered:* None

**GEOS 523 Geoprocessing & GIS Applications 3 Hours**

Applications of GIS and spatial methods to urban and regional analysis. Students develop analytical capabilities using a variety of GIS operations and spatial methods in urban and regional planning, transportation, location analysis, and business geographics.

*Recent Term(s) Offered:* fall 2022

**GEOS 525 Seminar in Political Geography 3 Hours**

This course analyzes the world's geopolitical relationships in a seminar environment. Project-based course structure addresses statehood, society, independence movements, supra-nationalism, nationalism, economy.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered:* None

**GEOS 526 Applied Meteorology and 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.

*Recent Term(s) Offered:* None

**GEOS 530 Seminar in Cultural Geography 4 Hours**

Seminar-field experience. Covers cultural origins and dispersals, environmental perception and behavior, and resulting consequence upon the geographic landscape.

*Recent Term(s) Offered:* None

**GEOS 531 Seminar in Dynamic Met 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 or equivalent) and (MATH 237 with a minimum grade of C or equivalent)

*Recent Term(s) Offered:* None

**GEOS 533 Seminar in Synoptic Meteorology 3 Hours**

Seminar addresses the analysis and prediction of large-scale weather systems, such as extratropical cyclones and their associated fronts and jet streams, with an emphasis on a supervised research project.

**Prerequisite(s):** equivalent and (MATH 237 or equivalent)

*Recent Term(s) Offered:* None

**GEOS 535 Seminar in Dynamic Meteorology II 3 Hours**

Phenomena related to large-scale tropospheric dynamics. Topics include moist and dry thermodynamics, applications of balanced flow, boundary layer processes, and vorticity.

**Prerequisite(s):** GEOS 531 or equivalent

*Recent Term(s) Offered:* None

**GEOS 537 Seminar in Mesoscale Meteorology 3 Hours**

Use of mesoscale analysis techniques in the prediction of convective precipitation systems, including severe thunderstorms, tornadoes, and hurricanes.

**Prerequisite(s):** GEOS 533 or equivalent

*Recent Term(s) Offered:* None

**GEOS 538 Seminar in Physical Meteorology 3 Hours**

Microscale analytic techniques related to radiative transfer in the atmosphere, cloud and precipitation processes, and dry and moist thermodynamics.

**Prerequisite(s):** GEOS 531 or equivalent

*Recent Term(s) Offered:* None

**GEOS 539 Seminar in 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):** CS 245 and METR 324

*Recent Term(s) Offered:* None

**GEOS 543 Environmental Science Problem Solving 3 Hours**

Provides students a fundamental understanding of the inter-relationship between the science and technical disciplines that contribute to key concepts in environmental science, along with their methodologies and approaches to knowledge production. Students are exposed to the unique challenges facing environmental scientists, both from a practitioner and researcher perspective. Examines the relationship between environmental science and public policy, both historically and in the present day and encourages critical analysis and evaluation of potential approaches to environmental problem solving, with an emphasis on systems thinking.

*Recent Term(s) Offered: fall 2023*

**GEOS 544 Practical Environmental Ethics 3 Hours**

Examination of ethical theory as it relates to environmental issues such as resource allocation, population growth, and technology. Ethical theory is evaluated in terms of its practical contributions to effective environmental understanding, decision-making, and everyday life.

*Recent Term(s) Offered: None*

**GEOS 545 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.

*Recent Term(s) Offered: None*

**GEOS 550 Seminar in Sustainable Economic Development 3 Hours**

Examine the modern role of sustainability methodologies and models to the functional interrelationships among economic and business activities in consumption, production, marketing and exchange of goods and services. Students may engage in sustainable economic research and field experiences during the course with an emphasis on innovation through sustainability.

*Recent Term(s) Offered: None*

**GEOS 555 Global Climate Change 3 Hours**

Explores the science behind 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.

*Recent Term(s) Offered: fall 2022; fall 2024*

**GEOS 559 Hydrological Fluid Dynamics 3 Hours**

Focus on how fluids respond to the application of forces and their impact on the movement of natural waters within the context of the hydrologic cycle. Note: Field trips required.

*Recent Term(s) Offered: None*

**GEOS 560 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.

*Recent Term(s) Offered: fall 2022; fall 2024*

**GEOS 561 Hydrogeology 3 Hours**

Origin, occurrence, and movement of ground water; water wells and aquifer evaluations; exploratory investigations; quality of ground water supplies; legal aspects.

*Recent Term(s) Offered: spring 2023; fall 2024*

**GEOS 563 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.

*Recent Term(s) Offered: None*

**GEOS 565 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.

**Equivalent(s):** PHYS 465G

*Recent Term(s) Offered: spring 2024*

**GEOS 566 Karst Geoscience 3 Hours**

Focus on the geological, geomorphological, and hydrological processes of karst landscapes, including human-environment interactions over time, with emphasis on the characterization, distribution, and function of various karst systems. Note: Field trips and field-based exercises are required.

*Recent Term(s) Offered: None*

**GEOS 570 Tectonics 3 Hours**

A survey of recent and past global tectonic activities and environments, including mantle plumes and processes, rifted continental margins, oceanic ridges, subduction and transform zones, mountain building and landforms, tectonic geomorphology, and interplay between climate and tectonics. Tectonic implications of environmental changes, natural hazards, and natural resources are discussed.

*Recent Term(s) Offered: None*

**GEOS 571 Applied Natural Resource Management 3 Hours**

Seminar approach to understanding natural resource management in the United States and internationally through analysis of past and present environmental problems and implemented alternative solutions.

*Recent Term(s) Offered: spring 2024*

**GEOS 575 GIS Analysis and Modeling 3 Hours**

Develops expertise with a broad range of spatial analysis functions applied with a cartographic modeling framework.

*Recent Term(s) Offered: None*

**GEOS 576 GIS Programming 3 Hours**

Planning and implementing GIS within an organization. Designing and developing GIS applications to support spatial decision making.

*Recent Term(s) Offered: None*

**GEOS 577 Special Topics in Geographic Information Systems 3 Hours**

Applications of Geographic Information Systems (GIS) technologies to applied research in urban and regional planning, geology, environmental modeling, transportation, locational analysis, criminology, public health, and internet GIS.

*Recent Term(s) Offered: fall 2024*

**GEOS 580 Seminar in Sustainable Cities 3 Hours**

This seminar explores the consequences of urban development and the essentials of sustainable urbanism. Topics include environmental and human costs of urbanization, landscape change, mobility, and urban responses to climate change.

*Recent Term(s) Offered: fall 2024*

**GEOS 584 Applied Environmental Planning 3 Hours**

Analysis and application of advanced topics and results of recent research in environmental and general land use planning. The course includes a broad examination of mitigation, remediation, and land use planning challenges from an applied perspective, particularly as they relate to problem-solving scenarios in sustainable development.

*Recent Term(s) Offered: fall 2022*

**GEOS 587 Environmental Law, Regulations, and Policy 3 Hours**

This is an introductory course on environmental management and law. Environmental Law is comprised of a vast body of legislation and common law, and management and law dominate all aspects of society. It is important to understand that law isn't designed to determine what is 'right or moral,' but rather to enforce what is expedient for society's optimal functioning. This course will include a thorough 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.

*Recent Term(s) Offered: None*

**GEOS 590 Experimental Design and Data Analysis 3 Hours**

Statistical consideration in experimental design including covariance, multiple regression, factorial design, incomplete block designs, etc.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**GEOS 595 Geoscience Practicum 1-6 Hours (repeatable max of 6 hrs)**

Supervised geoscience teaching, applied research, and/or internship experience in a research center, lab, cooperating government or private agency, business, or community.

*Recent Term(s) Offered: fall 2022; spring 2023; fall 2023; spring 2024; summer 2024*

**GEOS 599 Thesis Writing and Research 1-6 Hours (repeatable max of 6 hrs)**

Thesis research and writing directed by faculty advisor and committee.

**Prerequisite(s):** GEOS 500 with a minimum grade of B and GEOS 502 with a minimum grade of B

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**GEOS 600 Maintain Matriculation 1-6 Hours (repeatable max of 6 hrs)**

Continued enrollment for thesis completion.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

## German (GERM)

**GERM 430G Advanced German Composition and Conversation 3 Hours**

Intensive practice in written and spoken German, enabling the student to write letters, reports, essays, and descriptions and to discuss literary, cultural, and political topics.

*Recent Term(s) Offered: None*

**GERM 435G German Literature 19/20th Century 3 Hours**

Major German, Austrian, and Swiss writers of the 19th and 20th centuries, with emphasis on prose and drama.

*Recent Term(s) Offered: None*

**GERM 436G German Literature of Classic Period 3 Hours**

The outstanding works of Goethe, Schiller, and other authors of the late 18th and early 19th centuries.

**Prerequisite(s):** GERM 314

*Recent Term(s) Offered: None*

**GERM 437G 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.

*Recent Term(s) Offered: None*

**GERM 555 Topics in Germanic Literature and Culture 3 Hours**

(repeatable max of 6 hrs)

This course will examine different topics of interest in German literary and cultural studies.

*Recent Term(s) Offered: None*

## Gerontology (GERO)

**GERO 501 Perspectives in Aging 3 Hours**

Overview of the fundamental theories, issues and concepts in gerontology. Includes individual and societal aging; and disciplinary perspectives of adaptations and changes to aging.

*Recent Term(s) Offered: spring 2022*

**GERO 503 Policy Foundations of Aging Services 3 Hours**

Provides students with knowledge of the policy process and the politics of aging. Focuses on aging policy development and analysis by offering insight into relevant aging issues.

*Recent Term(s) Offered: None*

**GERO 505 Development and Change of Aging Programs 3 Hours**

Prepares students to develop gerontology programs and services for diverse aging populations. Provides students with the knowledge and skills necessary to develop and/or administer services in the field of aging.

*Recent Term(s) Offered: None*

**GERO 510 Current Issues in Aging 3 Hours (repeatable max of 6 hrs)**

Addresses selected topics in aging presented at an advanced level considered key for gerontology professionals.

*Recent Term(s) Offered: None*

**GERO 581 Global Aging 3 Hours**

Provides an understanding of international population aging and explores the problems and solutions encountered in different sociocultural contexts for dealing with challenges and opportunities of aging.

*Recent Term(s) Offered: None*

**GERO 590 Independent Study in Aging Studies 1-3 Hours (repeatable max of 3 hrs)**

Supervised individual study and/or field-based experience in a topic or area of Gerontology of particular interest to the student.

*Recent Term(s) Offered: None*

## Gifted and Talented Education (GTE)

### GTE 536 Nature and Needs of Gifted, Creative, and Talented Students 3 Hours

Terminology, theories, issues and general approaches in educating gifted, creative, and talented young people.

*Recent Term(s) Offered: winter 2022; fall 2022; winter 2023; fall 2023; winter 2024; fall 2024*

### GTE 537 Curriculum, Strategies, and Materials for Gifted Students 3 Hours

The curriculum and the learning environment in meeting the unique and advanced needs of gifted students. Strategies particularly suitable for the gifted.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

### GTE 538 Practicum for Teachers of Gifted Students 3 Hours

Supervised experiences to integrate the knowledge and skills needed to plan, implement, and evaluate effective learning experiences for gifted, creative, and talented students.

**Prerequisite(s):** GTE 536 and GTE 537 and PSY 432G

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

### GTE 539 Assessment and Identification of Gifted and Talented Children 3 Hours

Methods and techniques for assessing and identifying children who are gifted and talented.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

### GTE 540 Developing Creativity and Leadership in Gifted Youth 3 Hours

Theoretical and practical aspects of Creativity and Leadership as related to identification and programming for gifted children and youth. Best practices in helping children and youth develop creativity and leadership.

**Prerequisite(s):** GTE 536

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

### GTE 636 Issues in Gifted Education and Talent Development 3 Hours (repeatable max of 6 hrs)

Issues, current problems, and trends in gifted education and talent development. Emphasis on current research and literature.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

### GTE 637 Seminar in Gifted Education and Talent Development 3 Hours (repeatable max of 6 hrs)

Current issues and practices in gifted education. Topics will vary.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

## Health Care Administration (HCA)

### HCA 401G Fundamentals of Health Care Financial Management 3 Hours

Basic 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.

*Recent Term(s) Offered: summer 2023*

### HCA 520 Statistical Application in Health Care 1 Hour (repeatable max of 3 hrs)

This course covers basic statistical applications in SPSS and MS Excel. Familiarity with personal computers is assumed.

**Corequisite(s):** PH 520

*Recent Term(s) Offered: None*

### HCA 530 Independent Investigation in Health Care Administration 1-6 Hours (repeatable max of 6 hrs)

Research problems or projects in the area of health care administration.

*Recent Term(s) Offered: None*

### HCA 540 Health Care Organization and Management 3 Hours

Organization and management principles, theories and practices in the health care environment. The U.S. health care system, the role of the administrator, facilities operations and evaluation, and health administration research.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

### HCA 541 Strategic Management & Marketing of Health Services 3 Hours

Marketing principles, theories, and practices in the health care environment. Structured opportunities to study health care marketing literature and to develop skills in marketing plan development.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

### HCA 542 Health Care Human Resources Administration 3 Hours

Principles and practices of human resources administration in the health care field. The unique characteristics of professional, technical, skilled and unskilled health care workers explored and emphasized.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

### HCA 543 Health Care Quality and Accountability 3 Hours

Critical knowledge of health care quality and required accountability within the health care industry. The major topics of quality assurance, risk management, utilization management, JCAHO and NCQA standards, Six Sigma, and continuous quality improvement will be discussed.

**Prerequisite(s):** HCA 540

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

### HCA 544 Healthcare Systems Design and Behavior 3 Hours

Systems approach to effective and efficient management of health services delivery. Application, analysis and evaluation of organizational design and behavior principles to the health care delivery components. Factors such as structure, work design, operations, and performance that affect decision-making are explored.

*Recent Term(s) Offered: None*

### HCA 545 Managerial Finance for Health Services 3 Hours

Methods of financing the delivery of health services in the U.S. Includes budgetary mechanisms and managerial finance techniques for measuring, monitoring, analyzing, and controlling costs for both the providers and consumers of healthcare services.

**Prerequisite(s):** HCA 540 and BA 505

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; spring 2024*

### HCA 546 Graduate Internship 1-6 Hours (repeatable max of 6 hrs)

Supervised, full-time experience in a facility or in an agency approved by the Department of Public Health.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; summer 2024; fall 2024*

**HCA 547 Global and Comparative Health Systems 3 Hours**

A review of global health issues including how systems, policies, and program management influence availability and delivery of health services. Students will learn about the development of health systems and make comparisons of different types of health systems based on different aspects of health and health care such as resources availability, access to care, quality of care and models of care delivery. Issues of global health management and health disparities will be investigated in depth at the local, regional and global levels.

*Recent Term(s) Offered: fall 2023*

**HCA 551 Health Care Jurisprudence 3 Hours**

Provides an overview of the American legal system as it relates to the health care industry. Topics include duty owed (patients and organizations), ethics, malpractice, risk management, quality, accountability, rights without obligations (of patients, practitioners, and management), and current trends in health care law.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**HCA 555 Healthcare Preparedness and Leadership 3 Hours**

Disaster planning, Bioterrorism, other weapons of mass destruction, events, emergency response systems management, federal, state, and local coordinating activities, leadership principles, leadership complexities regarding healthcare professionals, and ethical dilemmas in critical leadership scenarios will be discussed.

**Prerequisite(s):** HCA 540

*Recent Term(s) Offered: None*

**HCA 556 Ambulatory Care/Rural Health 3 Hours**

Explores operational management techniques related to ambulatory care settings identifying dynamics unique to outpatient settings. Special focus is on rural areas and their diverse management challenges.

**Prerequisite(s):** HCA 540

*Recent Term(s) Offered: None*

**HCA 559 Global Health Service-Learning Practicum 3-6 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.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**HCA 564 Health Systems Informatics 3 Hours**

A survey of information use and management in a health care context. Course content includes health information systems, informatics, database design, e-health, and patient privacy.

**Corequisite(s):** HCA 565

*Recent Term(s) Offered: None*

**HCA 565 Information Systems Laboratory 1 Hour (repeatable max of 3 hrs)**

Management of health care data using MS Excel and MS Access. Basic familiarity with personal computers is assumed.

**Corequisite(s):** HCA 564

*Recent Term(s) Offered: None*

**HCA 571 Managed Care 3 Hours**

Overview of managed care and organized delivery systems, including history, organizational structures, financing, cost containment strategies, and policy issues.

**Prerequisite(s):** HCA 540

*Recent Term(s) Offered: None*

**HCA 572 Special Topics in Health Services 3 Hours**

Survey of current topics within the field of health care administration.

This course varies in content from term to term and may require field trips to area organizations.

*Recent Term(s) Offered: winter 2023; winter 2024*

**HCA 574 Decision Making in Health Care 3 Hours**

Basic decision models and decision making tools useful for managing uncertainty and solving health care management problems. The course is concerned with a wide variety of applied and theoretical archetypes, as well as modeling and quantitative techniques currently used in health care management.

**Prerequisite(s):** HCA 540

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**HCA 586 Health Economics & Policy 3 Hours**

Economic principles applied to the study of health care facilities, health services and manpower. These 400-level courses may be taken for graduate credit. Students receiving graduate credit in 400G courses will be required to do additional research, readings, or other appropriate assignments.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

## History (HIST)

**HIST 501 European History for Secondary Teachers 3 Hours**

Emphasis on bibliography, documents, historical interpretations and materials useful for secondary teachers of history.

*Recent Term(s) Offered: None*

**HIST 502 US History for Secondary Teachers 3 Hours**

Emphasis on bibliography, documents, historical interpretations, and materials for secondary teachers of history.

*Recent Term(s) Offered: spring 2022*

**HIST 505 Cultural Diversity in American History 3 Hours**

A topical study of cultural diversity in American history and its influence on the society's social, political, and economic institutions. Designed to assist teachers in incorporating into their classes knowledge about cultural diversity.

*Recent Term(s) Offered: None*

**HIST 506 Approaches to World History 3 Hours**

Introduction to world history as a field of study and teaching. Covers a range of theoretical and practical approaches to the practice of history on a world or global scale.

*Recent Term(s) Offered: spring 2023*

**HIST 507 The Crusades 3 Hours**

The history and scholarship of the Crusades. It will cover major scholarly works on the Crusades and crusading as well as the expansion of Crusade studies into new geographic contexts (the Baltic, the Americas, et al.) and into time periods from the Late Middle Ages to the present.

*Recent Term(s) Offered: None*

**HIST 518 Reformation Europe 3 Hours**

A study of the religious, political, and social history of Europe from the late Middle Ages to the end of the religious wars in 1648, focusing on Protestant and Catholic reform movements.

*Recent Term(s) Offered: None*

**HIST 520 History of Sexuality 3 Hours**

Survey of how past societies and cultures have interpreted human sexual behavior and identities.

*Recent Term(s) Offered: fall 2023*

**HIST 521 United States 1900-1945 3 Hours**

A study of American social, political, economic, and cultural developments in the period that included two world wars and the Great Depression.

*Recent Term(s) Offered: None*

**HIST 522 United States Since 1945 3 Hours**

A study of all phases of United States history since 1945.

*Recent Term(s) Offered: summer 2022*

**HIST 525 Social/Intellectual 19th Century US 3 Hours**

A study of nineteenth century American thought and its relation to social, economic, and political institutions.

*Recent Term(s) Offered: None*

**HIST 526 Social/Intellectual 20th Century US 3 Hours**

A study of twentieth century American thought and its relation to social, economic, and political institutions.

*Recent Term(s) Offered: fall 2024*

**HIST 527 Social/Intellectual 19th Century Europe 3 Hours**

An examination of political, social, economic, and religious thought of nineteenth century Europe and its relation to the society of the period.

*Recent Term(s) Offered: None*

**HIST 530 History of the US Civil Rights Movement 3 Hours**

Survey of the struggle for civil rights and social justice in the United States.

*Recent Term(s) Offered: None*

**HIST 531 A Cultural History of Alcohol 3 Hours**

An examination of the role that alcohol plays in historical development among various world cultures over time. Instructor may choose to focus on a specific region and/or time period.

*Recent Term(s) Offered: spring 2024*

**HIST 535 Historiography 3 Hours**

A survey of historical writing from ancient times to the present, with emphasis on the modern historical profession.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**HIST 536 Sources and Methods 3 Hours**

Introduces a range of methods for scholarship in the field of history, including how to develop research questions, identify and access archives, and utilize primary sources. Examines methodological trends that have shaped the historical profession.

*Recent Term(s) Offered: spring 2023; spring 2024*

**HIST 540 Colonial North America 3 Hours**

The background, founding, and development of North American colonies, emphasizing political, social, cultural, and economic institutions.

*Recent Term(s) Offered: None*

**HIST 541 American Revolution and Early Republic 3 Hours**

A study of the American Revolution and early republic period, including local, regional, and global contexts.

*Recent Term(s) Offered: None*

**HIST 543 US Civil War and Reconstruction 3 Hours**

A study of the origins of the US Civil War, including an analysis of the military, social, cultural, and diplomatic events, as well as the significant developments of Reconstruction.

*Recent Term(s) Offered: None*

**HIST 544 Gilded Age America 3 Hours**

A study of American history and culture from the end of the Reconstruction to the early twentieth century, emphasizing social, political, cultural, and regional development.

*Recent Term(s) Offered: None*

**HIST 545 American Legal History to 1865 3 Hours**

A survey of the development of American law and its relationship to political, economic, and social trends in antebellum American society.

*Recent Term(s) Offered: fall 2024*

**HIST 546 American Legal History Since 1865 3 Hours**

A survey of the development of American law and its relationship to political, economic, and social trends in modern American society.

*Recent Term(s) Offered: None*

**HIST 547 History of American Popular Culture 3 Hours**

Introduction to the role of popular culture in United States history and consciousness from the nineteenth century to the present.

*Recent Term(s) Offered: None*

**HIST 551 History of American Protest 3 Hours**

Survey of organized dissent in the United States from the early republic to the present.

*Recent Term(s) Offered: fall 2023*

**HIST 552 American Urban History 3 Hours**

The rise of the city from colonial times to the present, focusing on the economic base of urban expansion, the social and cultural scene, the pattern of urban politics, urban services, municipal administration, and the image of the city in popular thought.

*Recent Term(s) Offered: None*

**HIST 554 Discovery and Interpretation of Local History 3 Hours**

Materials, methodology, and techniques employed in local history research and its integration with other fields.

*Recent Term(s) Offered: None*

**HIST 556 Kentucky History 3 Hours**

A study of the political, economic, social, and cultural development of Kentucky since colonization.

*Recent Term(s) Offered: None*

**HIST 557 The Old South 3 Hours**

This course analyzes intellectual, cultural, political, economic, and racial ideologies of the American south, focusing on the period between 1800 and 1860.

*Recent Term(s) Offered: None*

**HIST 558 The New South 3 Hours**

This course analyzes 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 559 Immigrants in American History 3 Hours**

Survey of the history of immigration and immigrant communities in the United States.

*Recent Term(s) Offered: summer 2024*

**HIST 563 The Atlantic World 3 Hours**

A study of the areas touched by the Atlantic Ocean, focusing on the intersections of African, Native American, and European cultures.

*Recent Term(s) Offered: None*

**HIST 569 Internship 3 Hours** (repeatable max of 6 hrs)

Practical experience in a supervised work situation with a cooperating library, museum, archives, or other appropriate historical organization.

*Recent Term(s) Offered: fall 2022; fall 2023; spring 2024*

**HIST 574 History of Religion in America 3 Hours**

Survey of the development of religion in America. Among topics: separation of church and state and American civil religion.

*Recent Term(s) Offered: None*

**HIST 581 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.

*Recent Term(s) Offered: fall 2024*

**HIST 590 Advanced Individual Study 3 Hours** (repeatable max of 6 hrs)

A research problem or intensive readings directed by a faculty member. Note: 3.0 average in at least 9 hours at the graduate level required.

*Recent Term(s) Offered: spring 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**HIST 598 Comprehensive Exam Preparation 1 Hour**

Comprehensive examination preparation directed by faculty committee.

*Recent Term(s) Offered: fall 2023; spring 2024; fall 2024*

**HIST 599 Thesis Research/Writing 1-6 Hours** (repeatable max of 6 hrs)

Thesis research and writing directed by faculty committee.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**HIST 600 Maintain Matriculation 1-6 Hours** (repeatable max of 6 hrs)

Continued enrollment for thesis completion.

*Recent Term(s) Offered: fall 2022; spring 2023; spring 2024; fall 2024*

**HIST 605 Seminar in Ancient History 3 Hours** (repeatable max of 6 hrs)

Rotating-topic seminar that focuses on historical developments and cultural achievements in the ancient world.

*Recent Term(s) Offered: fall 2023*

**HIST 606 Seminar in European History 3 Hours** (repeatable max of 6 hrs)

Rotating-topic seminar in diverse areas of European history.

*Recent Term(s) Offered: None*

**HIST 608 Seminar in Public History 3 Hours** (repeatable max of 6 hrs)

Rotating-topic seminar explores major themes, methods, institutional contexts, and scholarly literature in public history.

*Recent Term(s) Offered: fall 2022*

**HIST 609 Seminar in Early Modern Europe, 1350-1750 3 Hours** (repeatable max of 6 hrs)

Rotating-topic seminar examining political, social, and cultural developments of Early Modern Europe.

*Recent Term(s) Offered: spring 2023*

**HIST 612 Seminar in Modern Europe, 1750-Present 3 Hours** (repeatable max of 6 hrs)

Rotating-topic seminar examining political, social, and cultural developments in Modern Europe.

*Recent Term(s) Offered: None*

**HIST 613 Seminar in British History 3 Hours** (repeatable max of 6 hrs)

Rotating-topic seminar explores major themes, theoretical approaches, and scholarly literature in British history.

*Recent Term(s) Offered: fall 2024*

**HIST 615 Seminar in World History 3 Hours** (repeatable max of 6 hrs)

Rotating-topic seminar on a selected theme or area of world history.

*Recent Term(s) Offered: None*

**HIST 616 Seminar in Middle Eastern History 3 Hours** (repeatable max of 6 hrs)

Rotating-topic seminar introduces major themes, methods, and scholarly literature in Middle Eastern history.

*Recent Term(s) Offered: spring 2022*

**HIST 617 Seminar in Latin American History 3 Hours** (repeatable max of 6 hrs)

Rotating-topic seminar introduces major themes, methods, and scholarly literature in Latin American history.

*Recent Term(s) Offered: fall 2022*

**HIST 618 Seminar in Gender and Women's History 3 Hours** (repeatable max of 6 hrs)

Rotating-topic seminar introduces major themes, methods, and scholarly literature in the history of women and gender.

*Recent Term(s) Offered: None*

**HIST 620 Seminar in African American History 3 Hours** (repeatable max of 6 hrs)

Rotating-topic seminar introduces major themes, methods, and scholarly literature in African American history.

*Recent Term(s) Offered: None*

**HIST 621 Seminar in Environmental History 3 Hours** (repeatable max of 6 hrs)

Rotating-topic seminar introduces major themes, methods, and scholarly literature in environmental history.

*Recent Term(s) Offered: spring 2024*

**HIST 622 Seminar in Borderlands History 3 Hours** (repeatable max of 6 hrs)

Rotating-topic seminar introduces major themes, methods, and scholarly literature in the history of borderlands regions.

*Recent Term(s) Offered: summer 2023*

**HIST 623 Seminar in Russian History 3 Hours** (repeatable max of 6 hrs)

Rotating-topic seminar introduces major themes, methods, and scholarly literature in Russian and Soviet history.

*Recent Term(s) Offered: None*

**HIST 624 Seminar in Labor History 3 Hours** (repeatable max of 6 hrs)

Rotating-topic seminar introduces major themes, methods, and scholarly literature in the history of work.

*Recent Term(s) Offered: spring 2024*

**HIST 625 Seminar in Native American History 3 Hours** (repeatable max of 6 hrs)

Rotating-topic seminar introduces major themes, methods, and scholarly literature in Native American history.

*Recent Term(s) Offered: spring 2023*

**HIST 626 Seminar in the History of Science and Medicine 3 Hours** (repeatable max of 6 hrs)

Rotating-topic seminar introduces major themes, methods, and scholarly literature in the history of science and medicine.

*Recent Term(s) Offered: None*

**HIST 630 Seminar in US History 3 Hours** (repeatable max of 6 hrs)

Rotating-topic seminar in diverse areas of United States history.

*Recent Term(s) Offered: None*

**HIST 641 Readings in American History 3 Hours** (repeatable max of 6 hrs)

A broad survey of readings designed to acquaint students with current historiographical trends in American history. May cover various time periods and regions.

*Recent Term(s) Offered: spring 2022; fall 2022*

**HIST 642 Readings in African History 3 Hours** (repeatable max of 6 hrs)

A broad survey of readings designed to acquaint students with current historiographical trends in African history. May cover various time periods and regions.

*Recent Term(s) Offered: None*

**HIST 643 Readings in Asian History 3 Hours** (repeatable max of 6 hrs)

A broad survey of readings designed to acquaint students with current historiographical trends in Asian history. May cover various regions and time periods.

*Recent Term(s) Offered: None*

**HIST 644 Readings in European History 3 Hours** (repeatable max of 6 hrs)

A broad survey of readings designed to acquaint students with current historiographical trends in European history. May cover various time periods and regions.

*Recent Term(s) Offered: spring 2022*

**HIST 645 Readings in Public History 3 Hours** (repeatable max of 6 hrs)

A broad survey of readings designed to acquaint students with current historiographical trends in public history. May cover various time periods and regions.

*Recent Term(s) Offered: fall 2023*

## Horticulture (HORT)

**HORT 403G 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.

**Prerequisite(s):** HORT 402G or permission of instructor

**Corequisite(s):** HORT 404G

*Recent Term(s) Offered: None*

**HORT 404G Landscape Design and Construction Lab 1 Hour**

A laboratory course correlated with HORT 403G.

**Corequisite(s):** HORT 403G

*Recent Term(s) Offered: None*

**HORT 407G 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

**Corequisite(s):** HORT 408G

*Recent Term(s) Offered: None*

**HORT 408G Plant Propagation Lab 1 Hour**

A laboratory course correlated with HORT 407G.

**Corequisite(s):** HORT 407G

*Recent Term(s) Offered: None*

**HORT 419G Vegetable Production 3 Hours**

Production of vegetables that are particularly suited for Kentucky, considering variety selection, culture, harvesting, processing, and marketing.

**Prerequisite(s):** AGRO 110 or permission of instructor

*Recent Term(s) Offered: spring 2022; spring 2024*

**HORT 475G Selected Topics Horticulture 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.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: fall 2024*

**HORT 675 Advanced Topics in Horticulture 1-3 Hours**

No course description is available

*Recent Term(s) Offered: None*

## Hospitality Mgt/Dietetics (HMD)

**HMD 583 Foodservice Systems Management 3 Hours**

Didactic and supervised practice course focusing on food service systems management. Students will utilize analytical and decision-making skills for analyzing and solving managerial and operational problems.

*Recent Term(s) Offered: fall 2022; summer 2023; summer 2024*

**HMD 584 Community Nutrition Program Management 3 Hours**

Combined didactic and supervised practice course in community nutrition program management. Attention given to the assessment, management, planning, intervention, and evaluation of programs.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*



**HMD 586 Medical Nutrition Therapy in Practice 3 Hours**

Combined didactic and supervised practice course that focuses on patient care in health care facilities. Assessment and management of nutritional problems encountered in patients in acute and chronic care settings will be emphasized using the nutrition care process.

**Restriction(s):** Enrollment is limited to students in Dietetic Practice (0451)

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**HMD 587 Seminar in Concepts and Methods of Dietetic Practice 3 Hours**

Capstone seminar including discussions, didactic practice and presentations in the field of dietetics.

**Restriction(s):** Enrollment is limited to students in Dietetic Practice (0451)

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

## Instructional Design (ID)

**ID 560 Instructional Design Foundations 3 Hours**

Systematic approach to instructional design, the contexts of application of this approach, and the roles of professionals in this field; Adapt and apply the process in a flexible and innovative manner.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**ID 570 Systematic Instructional Design 3 Hours**

Systematic instructional design procedures to design, produce, and evaluate a unit of instruction.

**Prerequisite(s):** ID 560 (may be taken concurrently) or permission of instructor

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**ID 572 Improvement Analysis in the Workplace 3 Hours**

Foundational information and activities to develop the skills necessary to be successful in completing performance systems analysis in a variety of workplace settings.

**Prerequisite(s):** ID 570 (may be taken concurrently) or permission of instructor

*Recent Term(s) Offered: None*

**ID 575 Special Topics in Instructional Design 1-6 Hours (repeatable max of 6 hrs)**

An in-depth examination of a topic of current interest and relevance to instructional design professionals.

**Prerequisite(s):** ID 570 (may be taken concurrently) and permission of instructor

*Recent Term(s) Offered: None*

**ID 577 Management of Instructional Systems 3 Hours**

Management of all phases of instructional development projects, including planning, team selection and building, scheduling, budgeting, monitoring, and evaluating. Emphasizes practical skill development and the use of management tools and systems.

**Prerequisite(s):** ID 570 or permission of instructor

*Recent Term(s) Offered: summer 2024*

**ID 583 Training Design and Development 3 Hours**

Production of training materials in a variety of settings. Design, develop and conduct formative evaluation of a training session for an external client.

**Prerequisite(s):** ID 570 or permission of instructor

*Recent Term(s) Offered: summer 2022*

**ID 585 Distance Education Opportunities and Challenges 3 Hours**

Critical concepts, issues, technologies, and models of distance education. Explores the design and technologies of quality interactive education at a distance.

*Recent Term(s) Offered: summer 2022; summer 2023*

**ID 587 Trends and Issues in Instructional Design 3 Hours**

History of instructional design, major contributors, ID theorists, issues and trends likely to impact the field, and professional organizations.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**ID 588 Multimedia Design 3 Hours**

Application of multimedia design principles in educational and training settings. Students will design and develop a multimedia instructional or training module for business and industry, government, military, P-12, and higher educational institutions.

**Prerequisite(s):** (ID 560 and ID 570) or permission of instructor

*Recent Term(s) Offered: fall 2022; fall 2023*

**ID 590 Practicum in Instructional Design 1-6 Hours (repeatable max of 6 hrs)**

Supervised, field-based, practical experience for students within the ID program.

**Prerequisite(s):** ID 570 and permission of instructor

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**ID 595 Internship in Instructional Design 3 Hours**

Supervised, field-based internship under an appropriate field-based supervisor and faculty member in an approved setting. Development and application of an authentic professional quality product and professional portfolio will be the capstone project. Note: Completion of all of the required courses, at least 24 semester hours of program course work, and admission to candidacy required.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

## Interdisciplinary Early Childhood Ed. (IECE)

**IECE 423G 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. Note: Students are responsible for their own transportation.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: summer 2022; summer 2023; fall 2023; summer 2024; fall 2024*

**IECE 520 Organizing Programs for Early Childhood Special Education 3 Hours**

Rationale for IECE (B-5), service delivery options, teaming issues, and atypical development specific to sensory, physical and cognitive disabilities. Thirty clock hours field experiences required.

**Restriction(s):** Enrollment is limited to students in Interdispl Early Childhood Ed (144) or Early Childhood Educ - Rank I (156)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**IECE 521 Assessment in Early Childhood Special Education 3 Hours**

Assessment process specific to children B-5, both with and without disabilities, and their families. Thirty clock hours field experiences required.

**Prerequisite(s):** IECE 522

*Recent Term(s) Offered:* summer 2022; summer 2023; summer 2024; fall 2024

**IECE 522 Family-Focused Services 3 Hours**

Students apply family systems theory to family assessment, the development of family plans, and the implementation-evaluation of family-centered services. Thirty hours of field experiences are required.

**Prerequisite(s):** IECE 520

*Recent Term(s) Offered:* spring 2022; spring 2023; spring 2024

**IECE 523 Planning Curriculum and Instruction in Interdisciplinary Early Childhood Education 3 Hours**

Planning, designing, and selecting curricula, including learning environments and instruction, for children birth through kindergarten, both with and without disabilities, and their families. Field experience is required. Note: Students are responsible for their own transportation.

**Prerequisite(s):** IECE 521 and IECE 522

*Recent Term(s) Offered:* fall 2022; fall 2023; fall 2024

**IECE 524 Internship in Early Childhood Special Education 3 Hours**

(repeatable max of 6 hrs)

Supervised work with children B-5, both with and without disabilities, and their families.

**Prerequisite(s):** ELED 509 (may be taken concurrently) and CD 486G and SPED 523 (may be taken concurrently)

*Recent Term(s) Offered:* spring 2022; summer 2022; fall 2022; summer 2023; fall 2023; spring 2024; fall 2024

**IECE 525 Special Topics in Interdisciplinary Early Childhood Education 1-3 Hours** (repeatable max of 6 hrs)

In-depth reading, investigation, and discussion of current research, issues, and/or trends in Interdisciplinary Early Childhood Education.

**Prerequisite(s):** (IECE 520 and IECE 521 and IECE 522) or permission of instructor

*Recent Term(s) Offered:* summer 2023; fall 2023; summer 2024

**IECE 526 Practicum in Interdisciplinary Early Childhood Education 1 Hour** (repeatable max of 3 hrs)

Practical application in clinical settings of critical skills for interdisciplinary early childhood educators. Students are responsible for transportation to assigned sites.

**Prerequisite(s):** IECE 522 and permission of instructor

*Recent Term(s) Offered:* spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024

**IECE 530 Advanced IECE Curriculum Development 3 Hours**

Advanced curriculum and program development for children birth through 5 years of age in schools, centers, or home settings, including collaboration with families and professionals, continuous assessment, and program evaluation. Field experiences required.

**Prerequisite(s):** TCHL 500

**Restriction(s):** Enrollment is limited to students in IECE, Birth-Primary (0461)

*Recent Term(s) Offered:* None

**IECE 550 Advanced Early Childhood Assessment 3 Hours**

Identification and diagnostic procedures for developmental delay and at-risk conditions in infants, toddlers, and preschoolers. Continuous assessment of children's developmental, instructional, behavioral, and environmental needs; evaluation of effectiveness of services and family involvement. Field experience required.

**Prerequisite(s):** TCHL 500

**Restriction(s):** Enrollment is limited to students in IECE, Birth-Primary (0461)

*Recent Term(s) Offered:* None

## Interdisciplinary Education (IED)

**IED 703 Equity Pedagogy and Issues of Diversity 3 Hours**

Issues and effects of diversity in contemporary society. Topics include: race, gender, ethnicity, class, language differences, and student ability. Relationship of diversity to preparation, recruitment, instruction, equity pedagogy, professional development, policy, curriculum, assessment, achievement gaps and student learning.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)

*Recent Term(s) Offered:* None

**IED 704 Leadership and the Ethics of Teaching 3 Hours**

Historical and contemporary perspectives on leadership and the ethics of teaching, including topics such as power, cultural leadership change, instructional leadership, and building community.

**Restriction(s):** Enrollment is limited to students in Educational Leadership (0010)

*Recent Term(s) Offered:* None

## Journalism (JOUR)

**JOUR 427G School Journalism 3 Hours**

A course designed to meet the state requirements for secondary certification in journalism. Explores resources available to journalism teachers and the responsibility of publication advisors.

*Recent Term(s) Offered:* None

**JOUR 481G Problems in Mass Communication 3 Hours**

Study of contrived and real problems involving research, planning and implementation.

*Recent Term(s) Offered:* None

## Kinesiology (KIN)

**KIN 501 Research Methods in Kinesiology 3 Hours**

An examination of the methods, materials, techniques, and planning of research studies used and conducted in the various disciplines of kinesiology. (To be taken in the first term of enrollment.)

*Recent Term(s) Offered:* fall 2022; spring 2024

**KIN 503 Advanced Motor Learning and Control 3 Hours**

Theories and principles of learning as they apply to the acquisition of gross motor skills. Emphasizes the interpretation and practical application of experimental data.

*Recent Term(s) Offered:* fall 2022; fall 2023

**KIN 504 Advanced Exercise Physiology 3 Hours**

A comprehensive study of the acute responses and chronic adaptations resulting from exercise or other stressors on the physiological function of the human body. Particular attention will be given to applied learning, as well as to review and critique current research.

*Recent Term(s) Offered: fall 2022; spring 2024*

**KIN 505 Foundations of Curriculum Construction 3 Hours**

Principles, procedures, and criteria for curriculum construction and revision, course building, and lesson planning.

*Recent Term(s) Offered: None*

**KIN 508 Adaptive Physical Education 3 Hours**

In-depth study of instruction of disabled children in mainstream and/or special physical education classes. Knowledge and skills necessary to assess, plan intervention, and instruct mild, moderate, severely/profoundly disabled children in physical education.

*Recent Term(s) Offered: None*

**KIN 509 Sport in Multicultural Society 3 Hours**

An examination/understanding of the role of sport in America, its impact on the social structure and the leadership behaviors needed to ensure that the societal impact of sport is congruent with traditional American values.

*Recent Term(s) Offered: None*

**KIN 512 Advanced Strength & Conditioning 3 Hours**

Designed to develop advanced knowledge of strength and conditioning principles and practices. 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. The course will include professional writing and a hands-on learning component with professionals in the field of strength & conditioning.

*Recent Term(s) Offered: spring 2022; fall 2023*

**KIN 513 Coaching Theory 3 Hours**

The theory and analysis of leadership behavior in interscholastic athletics with an emphasis on developing leadership knowledge, personal behavior qualities and job related skills applicable in diverse interscholastic athletic settings.

*Recent Term(s) Offered: None*

**KIN 514 Lab Methods in Exercise Physiology 3 Hours**

Theory and application of laboratory techniques germane to research in Exercise Physiology. Includes musculoskeletal, cardiovascular, metabolic, and human performance testing.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**KIN 515 Advanced Measurement and Evaluation 3 Hours**

Study and application of assessment tools and statistical techniques commonly used in kinesiology research. Includes regression modeling, single and multi-factor analysis of variance, and repeated measures designs.

*Recent Term(s) Offered: None*

**KIN 516 Administrative Practice in KRS 3 Hours**

Provide useful information and techniques related to the administration of physical education programs in both school and other settings. Students will focus on leadership that enhances the organization, management, planning and implanting programs and facilities.

*Recent Term(s) Offered: None*

**KIN 518 Advanced Statistics in Kinesiology 3 Hours**

Study and application of statistical techniques commonly used in kinesiology research. Includes regression modeling, single and multifactor analysis of variance, and repeated measures designs.

**Restriction(s):** Enrollment is limited to students in Kinesiology (0454)

*Recent Term(s) Offered: fall 2023; fall 2024*

**KIN 520 Teaching Strategies in Physical Education 3 Hours**

Study and application of teaching strategies utilized in the elementary and secondary physical education setting.

*Recent Term(s) Offered: None*

**KIN 521 Analysis and Criticism of Professional Literature in Physical Education 3 Hours**

Analysis and critical evaluation of professional literature in the field of physical education and exercise science.

*Recent Term(s) Offered: None*

**KIN 522 Advanced Exercise Testing and Prescription 3 Hours**

Focuses on the use of exercise in the treatment and diagnosis of various major disease states. Provides the student with an advanced understanding of electrocardiogram (ECG) monitoring, interpretation, graded exercise testing, blood pressure measurement, interviewing skills, screening, risk stratification, and pharmacology. Emphasizes exercise prescription for clinical populations, such as those with endocrinological/metabolic disorders, cardiovascular disease, respiratory disease, and neuromuscular disorders.

*Recent Term(s) Offered: spring 2022; fall 2023*

**KIN 523 Seminar in Exercise Physiology 3 Hours (repeatable max of 6 hrs)**

Advanced study of contemporary knowledge and current professional research centering on various selected topics to the field of exercise science.

*Recent Term(s) Offered: fall 2022; spring 2023; fall 2024*

**KIN 524 Applied Biomechanics 3 Hours**

Advanced study of the mechanical, neuromuscular, and anatomical bases of human movement.

*Recent Term(s) Offered: fall 2022; spring 2023; fall 2024*

**KIN 525 Fitness Management 3 Hours**

The course will provide content addressing the current industry standards and guidelines for operating private, corporate and clinical fitness facilities and fitness management scenarios and case studies will be used to apply the course content to the field setting.

**Restriction(s):** Enrollment is limited to students in Kinesiology (0454)

*Recent Term(s) Offered: None*

**KIN 528 Dynamics of Injury Management 3 Hours**

Integrates the knowledge, skills and values that Certified Athletic Trainers must possess to evaluate and treat athletic injuries and refer to appropriate medical personnel.

**Restriction(s):** Enrollment is limited to students in Recreation and Sport Admin (095)

*Recent Term(s) Offered: None*

**KIN 530 Independent Investigation in Kinesiology 1-3 Hours (repeatable max of 3 hrs)**

Research problems or projects in the scientific, organizational, administrative, or supervisory areas of kinesiology.

*Recent Term(s) Offered: fall 2022; summer 2023*

**KIN 536 Applied Sport Science 3 Hours**

Comprehensive exploration of sports science essentials to make data-driven decisions to optimize athlete performance. Students will acquire a deep understanding of the intricate and multifaceted nature of athletic performance, equipping them to effectively evaluate and communicate their insights.

*Recent Term(s) Offered: None*

**KIN 596 Internship in Exercise Physiology 1-6 Hours** (repeatable max of 6 hrs)

Work and/or laboratory experience in Exercise Physiology practical settings in progression towards completion of the graduate program. Liability insurance is required.

*Recent Term(s) Offered: spring 2022; spring 2023*

**KIN 598 Capstone Research Experience in Exercise Physiology 1-6 Hours** (repeatable max of 6 hrs)

Designed for non-thesis students in the master's program in kinesiology to gain appropriate research experience prior to completing the program. Taken in the final semester of the program.

**Restriction(s):** Enrollment is limited to students in Kinesiology (0454)

*Recent Term(s) Offered: None*

**KIN 599 Thesis Research/Writing 1-6 Hours** (repeatable max of 6 hrs)

The master's thesis is to be directed by a member of the Graduate Faculty of the Department. (Each semester)

*Recent Term(s) Offered: spring 2022; spring 2023; fall 2023; spring 2024*

**KIN 600 Maintain Matriculation 1-6 Hours** (repeatable max of 6 hrs)

Continued enrollment for thesis completion.

*Recent Term(s) Offered: spring 2022; summer 2023; summer 2024*

## Leadership Studies (LEAD)

**LEAD 500 Effective Leadership Studies 3 Hours**

An in-depth investigation of the basics of effective leadership including current and historical leadership theories. Assessment of leadership styles will be a key component.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**LEAD 525 Leadership Ethics 3 Hours**

Study of contemporary ethical issues facing leaders with an emphasis on examining and analyzing ethical issues for sound solutions.

*Recent Term(s) Offered: winter 2022; spring 2022; summer 2022; fall 2022; winter 2023; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024*

**LEAD 530 Organizational Change 3 Hours**

A course of advanced study of planned and unplanned change at the individual and group level as well as the significance leadership plays in change. Various skills and methodologies of leadership theories will be discussed to better understand change through leadership.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; fall 2023; spring 2024; summer 2024*

**LEAD 540 Leading Teams 3 Hours**

Study of issues impacting team leaders and members; emphasis on examining and analyzing solutions for effective team leadership.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024*

**LEAD 550 Leadership in Global Context 3 Hours**

Study and analysis of cultural impacts on successful leadership in various global areas. Focus on cultural theories and models that influence leadership across contexts.

*Recent Term(s) Offered: winter 2022; spring 2022; summer 2022; fall 2022; winter 2023; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**LEAD 560 Applied Research Methods in Organizational Leadership 3 Hours**

This course examines applied research methods used to develop solutions to questions and issues faced by leaders in organizations.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; fall 2024*

**LEAD 565 Leadership Coaching within Organizations 3 Hours**

This course is designed to develop organizational leadership coaching skills within the organization to improving the performance and efficiency of not only individuals but the productivity of the organization. This course also includes an emphasis on experiential learning through coaching practice activities.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; winter 2023; spring 2023; fall 2023; spring 2024; fall 2024*

**LEAD 575 Leadership Special Topics 3 Hours** (repeatable max of 6 hrs)

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.

**Prerequisite(s):** LEAD 500

*Recent Term(s) Offered: None*

**LEAD 580 Leading Organizations 3 Hours**

Focuses on the leadership principles, concepts, and ethics for leading organization and creating value in organizations from a macro perspective. Topics include: understanding various types of organizations, creating and casting an organizational vision, how political leadership dynamics affect organizations, organizational culture and values, how diversity and globalization affect organizations, strategic and succession planning, and social responsibility applied at a macro level.

**Prerequisite(s):** (LEAD 500)

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**LEAD 595 Contemporary Issues in Leadership 3 Hours**

This course is designed to provide the student with an understanding of contemporary issues from a Leadership perspective. Specifically, students will apply leadership theories, models, and approaches to contemporary issues to analyze the issue's impact on organizations.

**Prerequisite(s):** LEAD 500

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024*

**LEAD 597 Capstone in Leadership Studies 3 Hours**

Course is designed for individual student analysis of a topic of interest relative to contemporary organizations. Project will be comprehensive and multidisciplinary in approach, thereby requiring integration of concepts from various disciplines included in the program.

*Recent Term(s) Offered: None*

**LEAD 598 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.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**LEAD 600 Capstone in Leadership Experience 3-6 Hours**

This course will provide students with a culminating experience to integrate the major topics studied in the discipline, demonstrate their mastery of the curriculum, and apply their leadership skills in organizational contexts and settings. Note: Completion of all other courses in the Organizational Leadership graduate certificate required.

**Restriction(s):** Enrollment is limited to students in Organizational Leadership (1723)

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

## Libraries, Informatics, and Technology in Education (LITE)

**LITE 501 Program Organization 3 Hours**

Organization of the school library program to support the educational goals of the school and student learning. Includes organization of libraries, informatics, and technology.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**LITE 506 Organization of Information 3 Hours**

Classification, descriptive and subject cataloging for various formats of information and sources. Emphasis on organization of information in the school library.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**LITE 508 Informatics in Education 3 Hours**

Information sources and services in school library media centers. Emphasis on the study and practice of creating, storing, finding, manipulating, analyzing, evaluating, and sharing information. Emphasis on use of informatics research methods in education.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**LITE 512 Issues in Libraries, Informatics, and Technology in Education 3 Hours**

Analysis of issues in Libraries, Informatics, and Technology in Education. Attention to legal issues like intellectual freedom, censorship, and information access.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**LITE 518 Advanced Children's Literature and Collections 3 Hours**

Advanced study of literature to meet the needs of children including outstanding authors, illustrators, and current topical issues. Emphasis on children's literature collections development and management in libraries.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**LITE 527 Advanced Young Adult Literature and Collections 3 Hours**

Advanced, thematic examination of literary genres and non-print media appropriate for young adults, ages 12-18. Includes management and service components for effective young adult literature programs. Emphasis on young adult literature collections development and management in libraries.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**LITE 535 Survey of Educational Technology Practices 3 Hours**

Focus on instructional design and communication models appropriate to effective utilization of multimedia for instruction and training. Application of various multimedia to design, produce, and evaluate instructional/training projects.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**LITE 537 Principles of Educational Technology Applications 3 Hours**

Uses of technology for instruction and instructional management. Emphasis on instructional techniques, evaluation and utilization of appropriate instructional software, productivity tools, and the internet for various subjects, grade levels, and needs of diverse learners.

**Prerequisite(s):** LME 535 or LITE 535

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**LITE 545 Educational Technology Production 3 Hours**

Product design and production techniques for education and training. Utilization of various software and hardware configurations to produce electronic prototypes.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**LITE 547 Integration of Educational Technology 3 Hours**

Application of principles of instructional design to the integration of technology into education and training programs.

*Recent Term(s) Offered: summer 2022; summer 2023*

**LITE 550 Emerging Technology in Education 3 Hours**

Survey of new and significant technology developments and integration strategies in education; research on applications and their effectiveness on P-12 pupil learning; application of new technologies to design, produce, and assess P-12 learning.

*Recent Term(s) Offered: winter 2022; winter 2023; winter 2024*

**LITE 590 Practicum in Libraries, Informatics, and Technology in Education 1-3 Hours** (repeatable max of 3 hrs)

Field based experience in an appropriate setting under a certified library media specialist or a qualified technology coordinator.

**Prerequisite(s):** (LITE 501 or LME 501) and (LITE 512 or LME 512) and (LITE 535 or LME 535) and (LITE 537 or LME 537)

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**LITE 737 Educational Technology Leadership 3 Hours**

Emphasis on educational technology leadership, professional development, and instructional management. Topics include equitable access, technology plans, meeting needs of diverse learners with technology, and technology integration strategies.

*Recent Term(s) Offered: fall 2024*

## Library Media Education (LME)

**LME 407G Literature/Young Adults 3 Hours**

Selection and evaluation of materials, reading guidance, and programming for young people, adolescence through young adult.

*Recent Term(s) Offered: None*

**LME 409G Selected Topics 1-3 Hours** (repeatable max of 6 hrs)  
 Problematic study of a selected topic under the direction of a faculty member. A formal research paper or annotated bibliography is required.  
 Note: Permission of instructor required.  
**Prerequisite(s):** permission of instructor  
*Recent Term(s) Offered: None*

**LME 410G Storytelling 3 Hours**  
 Storytelling literature, story selection and sources. Practice in oral communication.  
*Recent Term(s) Offered: None*

**LME 411G 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):** Students with a semester level of Junior or Post-Baccalaureate-Non Degree may **not** enroll.  
*Recent Term(s) Offered: None*

**LME 445G Introduction 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.  
**Equivalent(s):** SEC 445G  
*Recent Term(s) Offered: None*

**LME 448G Technology Applications in Education 3 Hours**  
 Uses of technology in education for instruction and instructional management. Emphasis on evaluation and utilization of appropriate software and hardware.  
*Recent Term(s) Offered: None*

**LME 475G Workshop 1-3 Hours**  
 Workshop classes of variable content focused on library media practice and integration of educational technology.  
*Recent Term(s) Offered: None*

**LME 502 Collection Management 3 Hours**  
 Principles of collection management to meet the needs of the school library media program. Evaluation, selection and acquisition of print, non-print and electronic resources. Examination and development of collection policies and procedures, including acceptable use policies and copyright.  
*Recent Term(s) Offered: None*

**LME 509 Investigations in Educational Technology 1-3 Hours**  
 (repeatable max of 6 hrs)  
 The completion of a formal research study in educational technology or the creation of an educational technology prototype under the supervision of a faculty member.  
*Recent Term(s) Offered: None*

**LME 519 Special Topics in Educational Technology 3 Hours**  
 (repeatable max of 6 hrs)  
 Special topics in the field of educational technology.  
*Recent Term(s) Offered: None*

**LME 589 Field Experience in Library Media Education 3 Hours**  
 Field experience in an appropriate setting under supervision of a certified library media specialist for LME students seeking initial Kentucky teaching certification in school library media at the graduate level. Note: Admission to professional education required.  
**Prerequisite(s):** permission of instructor  
*Recent Term(s) Offered: None*

**LME 591 Advanced Practicum in Library Media Education 1 Hour**  
 Field-based experience in an appropriate setting under a certified library media specialist. Note: Admission to professional education required.  
**Prerequisite(s):** LITE 501 and LITE 512 and LITE 537 and permission of instructor  
**Restriction(s):** Enrollment is limited to students in Library Media Ed - Rank I (0429) or Library Media Education (083)  
*Recent Term(s) Offered: None*

**LME 592 Internship in Library Media Education 3 Hours**  
 Field based experience in an appropriate setting under supervision of a certified library media specialist. For students seeking initial Kentucky teaching certification at the graduate level. Note: Completion of 24 hours of coursework and admission to professional education required.  
**Prerequisite(s):** LITE 501 and LITE 512 and LITE 535 and LITE 537 and permission of instructor  
**Restriction(s):** Enrollment is limited to students in Library Media Education (083)  
*Recent Term(s) Offered: None*

**LME 599 Thesis Research/Writing 1-6 Hours** (repeatable max of 6 hrs)  
 Thesis research and writing directed by faculty committee.  
*Recent Term(s) Offered: None*

**LME 600 Maintain Matriculation 1-6 Hours** (repeatable max of 6 hrs)  
 Continued enrollment for thesis completion.  
*Recent Term(s) Offered: None*

## Literacy (LTCY)

**LTCY 500 Fundamentals of Reading and Related Language Arts 3 Hours**  
 A survey of models of the reading process, research on oral and written language development, and significant approaches to reading instruction. Provides instruction for fundamental understanding of the theoretical rationale of the reading and related language arts processes. Note: Course is not appropriate for certified teachers and does not count toward the MAE in Literacy Education.  
**Restriction(s):** Enrollment is limited to students in Literacy/Post-Secndry Settings (0462)  
*Recent Term(s) Offered: fall 2022*

**LTCY 501 Reading and Writing for Learning 3 Hours**  
 Instruction in the ways reading and writing are interrelated processes, facilitate learning from print, and woven together to better prepare students for the critical reading, critical thinking, and writing expectations of college and career. Note: Course is not appropriate for certified teachers and does not count toward the MAE in Literacy Education.  
**Restriction(s):** Enrollment is limited to students in Literacy/Post-Secndry Settings (0462)  
*Recent Term(s) Offered: spring 2023*

**LTCY 502 Differentiating Literacy Instruction 3 Hours**

Exploration of differentiated literacy instruction focusing on modification of instructional content, process, assessment, and student product to meet the needs of all learners. Note: Course is not appropriate for certified teachers and does not count toward the MAE in Literacy Education.

**Restriction(s):** Enrollment is limited to students in Literacy/Post-Secondary Settings (0462)

*Recent Term(s) Offered: fall 2023*

**LTCY 503 Assessment and Evaluation of Reading and Writing 3 Hours**

An introduction to assessment and evaluation of readers and writers. Includes experience in reviewing, matching, and administering assessments. Using data to inform instruction, including formative and summative assessments. Note: Course is not appropriate for certified teachers and does not count toward the MAE in Literacy Education.

**Restriction(s):** Enrollment is limited to students in Literacy/Post-Secondary Settings (0462)

*Recent Term(s) Offered: spring 2024*

**LTCY 504 Strategy-Based Reading and Writing Intervention 3 Hours**

Job-embedded (field work) to design and implement instructional techniques for use with individuals or groups experiencing difficulty with literacy skills. Emphasis on tutorial and small group applications. Note: Course is not appropriate for certified teachers and does not count toward the MAE in Literacy Education.

**Restriction(s):** Enrollment is limited to students in Literacy/Post-Secondary Settings (0462)

*Recent Term(s) Offered: fall 2023; fall 2024*

**LTCY 505 Job-Embedded Literacy Methods 3 Hours**

Job-embedded integration of literacy methods and practices within a community or technical college or other instructor approved educational setting outside P-12 designed to prepare students to provide sound reading assessment and instruction for literacy learners. Note: Course must be completed in the last semester before completion of the Literacy in Post-Secondary Settings certificate. Students are responsible for own transportation to designated sites.

**Restriction(s):** Enrollment is limited to students in Literacy/Post-Secondary Settings (0462)

*Recent Term(s) Offered: fall 2024*

**LTCY 510 Methods of Teaching Literacy to Adolescents 3 Hours**

Theoretical foundation and current best practices for literacy instruction. Emphasis on literacy lesson and unit planning. Field experiences are required; students are responsible for own transportation.

**Restriction(s):** Enrollment is limited to students in Special Ed Initial Cert (0456), Middle Grades Ed: Initial Cert (0458), IECE, Birth-Age 5, Initial Cert (0460) or Teacher Educ: Initial Cert (0495)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**LTCY 515 Socio-Cognitive Theories of Comprehension 3 Hours**

A study of cognitive, linguistic, and sociocultural factors that affect comprehension, including native language, how comprehension works, and how people make sense of print cues and visual cues by understanding the comprehension process from various theoretical stances.

*Recent Term(s) Offered: None*

**LTCY 518 Literacy Learning and Technology 3 Hours**

Survey of use of technology to promote the development of reading, writing, and teaching and learning via electronic formats. Topics include integration of technology into literacy instruction that supports diverse literacy learners and designing appropriate reading and language arts technology-based projects for literacy learners.

**Restriction(s):** Enrollment is limited to students in Literacy Education (044)

*Recent Term(s) Offered: None*

**LTCY 519 Literacy Development and Instruction 3 Hours**

Investigation into the development of reading and writing in young children, instructional strategies for emergent and developing literacy including practices related to phonemic awareness, phonics, comprehension, vocabulary, fluency, invented spelling, writing traits, process and development.

*Recent Term(s) Offered: summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**LTCY 520 Clinical Diagnosis of Reading Variability 3 Hours**

The nature and causes of reading disabilities and investigation of general and specific principles and approaches to diagnosis. Actual case studies using both group and individual tests in diagnosis.

**Prerequisite(s):** LTCY 519 or permission of instructor

**Restriction(s):** Enrollment is limited to students in Literacy Education (044)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**LTCY 521 Reading Intervention 3 Hours**

Instructional techniques for use with individuals or groups involved in remedial reading instruction; materials and procedures; clinical experiences with remedial students.

**Prerequisite(s):** LTCY 520

**Restriction(s):** Enrollment is limited to students in Literacy Education (044)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**LTCY 522 Investigations in Reading 1-3 Hours (repeatable max of 3 hrs)**

Individual investigation of the research and descriptive literature in the field of reading.

**Prerequisite(s):** LTCY 528

**Restriction(s):** Enrollment is limited to students in Literacy Education (044)

*Recent Term(s) Offered: None*

**LTCY 523 Assessment and Intervention of Reading and Writing 3 Hours**

Emphasizes practical methods of reading and writing appraisal, diagnostic procedures, and materials essential for developing teaching strategies in reading instruction for P-12 learners.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**LTCY 524 Content Area and Disciplinary Literacy 3 Hours**

Reading and study skills strategies and techniques to increase student achievement in content-area classes. Discussion of disciplinary literacy in various fields will also be addressed.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**LTCY 527 Diversity and Equity in Literacy Education 3 Hours**

Introduction to social factors, cultural factors, and aspects of language that affect teaching and learning of literacy, particularly in reading, writing, and the language arts; application of multicultural perspectives and culturally responsive instruction to curriculum development and classroom literacy practices.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**LTCY 528 Literacy Research Methods and Evaluation 3 Hours**

Investigation and critical analysis of literacy research and theory, and completion of literacy related-research project.

**Prerequisite(s):** LTCY 519

**Restriction(s):** Enrollment is limited to students in Literacy Education (044)

*Recent Term(s) Offered: None*

**LTCY 530 Literacy Development for Multilingual Learners 3 Hours**

In the context of first and second language development across the lifespan, this course focuses on the acquisition of literacy by young children, examines best practices in the teaching of literacy in both elementary and secondary settings, and offers a deep investigation into the relationship between language and literacy acquisition.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**LTCY 532 Literacy Leadership and Coaching 3 Hours**

A course intended for advanced literacy professionals to learn best practices for providing professional learning opportunities in the work place, developing professional learning communities, leading in school-wide literacy development, and developing the skills of peers and experienced colleagues in the field of literacy.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**LTCY 599 Thesis Research and Writing 3-6 Hours (repeatable max of 6 hrs)**

Thesis research and writing directed by faculty committee.

*Recent Term(s) Offered: None*

**LTCY 600 Maintain Matriculation 1 Hour (repeatable max of 6 hrs)**

Continued enrollment for thesis completion.

*Recent Term(s) Offered: None*

**LTCY 624 Seminar in Literacy Issues and Trends 3 Hours (repeatable max of 9 hrs)**

Study of literacy research focusing on issues and trends within the discipline of literacy education. No more than 6 hours may be counted toward the MAE-Literacy Education program.

**Prerequisite(s):** LTCY 519 or permission of instructor

*Recent Term(s) Offered: summer 2022; summer 2023*

**LTCY 695 Practicum for Literacy Professionals 3 Hours (repeatable max of 6 hrs)**

In-depth practice in the literacy coaching of colleagues in the education profession.

**Prerequisite(s):** LTCY 521

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

## Management (MGT)

**MGT 570 Business Government Law 3 Hours**

Development, implementation, and impact of major public policies toward business. Includes antitrust, consumer protection, conservation and environmental control, etc.

*Recent Term(s) Offered: None*

## Marketing (MKT)

**MKT 529 Independent Study in Marketing 1-3 Hours**

Supervised independent study of a topic or problem culminating in a scholarly paper or problem solving report.

*Recent Term(s) Offered: None*

**MKT 596A GFCB Graduate Certificate Assessment - Marketing and Sales 0 Hours**

This course tracks the student skills attainment summary and artifacts for Gordon Ford College of Business graduate certificate programs.

*Recent Term(s) Offered: fall 2024*

## Mathematics (MATH)

**MATH 405G 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 307 or MATH 310 or MATH 237) and (CS 180 or CS 146) or permission of instructor

**Equivalent(s):** CS 405G

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**MATH 406G 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.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**MATH 409G 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. Term papers will be required. Note: 6 hours of undergraduate mathematics required.

**Prerequisite(s):** permission of instructor

**Restriction(s):** Students cannot enroll who are in Mathematics (085)

*Recent Term(s) Offered: None*

**MATH 411G Problem Solving for Elementary and Middle Grades 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. This course is only for students enrolled in the MAE in Elementary Mathematics Specialist P-5 degree.

**Restriction(s):** Students cannot enroll who are in Secondary Ed Teacher Leader (0435) or Mathematics (085)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**MATH 415G Algebra and Number Theory 3 Hours**

Survey of modern algebra and number theory. Includes number systems, divisibility, congruences, groups and their application to number theory.

*Recent Term(s) Offered: spring 2023*

**MATH 417G 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.

*Recent Term(s) Offered: spring 2022; spring 2023*



**MATH 431G Intermediate Analysis I 3 Hours**

Topics in analysis chosen from inverse and implicit function theorems, differentiation, integration, infinite series, series of functions, and introductory functional analysis.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**MATH 435G Partial Differential Equations 3 Hours**

Equations of first and second order; elliptic, hyperbolic and parabolic equations of mathematical physics using separation of variables and Fourier series.

*Recent Term(s) Offered: spring 2024*

**MATH 439G 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.

*Recent Term(s) Offered: fall 2022; fall 2024*

**MATH 450G 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.

*Recent Term(s) Offered: spring 2023; spring 2024*

**MATH 470G Introduction to Operations Research 3 Hours**

Principles and techniques of operations research including linear programming, integer programming, quality theory, sensitivity analysis, and dynamic programming.

*Recent Term(s) Offered: None*

**MATH 482G Probability & 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.

*Recent Term(s) Offered: None*

**MATH 500 Readings in Mathematics 1-3 Hours (repeatable max of 6 hrs)**

Students read and present papers that have appeared in (or have been accepted by) mathematical journals. Topics covered are determined by areas of interest. Note: Undergraduate major in mathematics required.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: summer 2022; summer 2023; fall 2023; summer 2024*

**MATH 501 Introduction to Probability and Statistics I 3 Hours**

Interpreting, analyzing, and simulating univariate and bivariate data; probability and sampling distributions; regression and chi-squared procedures from traditional and randomization approaches.

**Restriction(s):** Enrollment is limited to students in Mathematics (049)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**MATH 503 Introduction to Analysis 3 Hours**

Theoretical examination of selected topics in real analysis including sequences, series, limits, continuity, derivatives, and integration.

**Restriction(s):** Enrollment is limited to students in Mathematics (049)

*Recent Term(s) Offered: fall 2022; spring 2023; fall 2023; fall 2024*

**MATH 504 Application of Technology to Problems in Mathematics 3 Hours**

Problem solving via non-routine problems from various branches of mathematics, including, but not limited to number theory, discrete math, linear algebra, calculus, probability, and statistics.

**Restriction(s):** Enrollment is limited to students in Mathematics (049)

*Recent Term(s) Offered: summer 2022; summer 2024*

**MATH 506 Mathematical Applications for Middle Grades Teachers 3 Hours**

Advanced study in logic, discrete mathematics, functions, and modeling, as appropriate for middle grades mathematics teachers.

**Prerequisite(s):** permission of instructor

**Restriction(s):** Students cannot enroll who are in Mathematics (049) or Mathematics (085)

*Recent Term(s) Offered: None*

**MATH 507 Number Systems for Elementary and Middle Grades Teachers 3 Hours**

Conceptual development of numeration systems and structures, set and number theory, and sequences. This course is only for students enrolled in the MAE in Middle Grades Math or Elementary Mathematics Specialist P-5 degrees; or permission of instructor.

*Recent Term(s) Offered: summer 2023*

**MATH 508 Rational Number Concepts for Elementary and Middle Grades Teachers 3 Hours**

Conceptual development of rational number representations, ratios, and proportional reasoning. This course is only for students enrolled in the MAE in Middle Grades Math or Elementary Mathematics Specialist P-5 degrees.

**Restriction(s):** Students cannot enroll who are in Secondary Ed Teacher Leader (0435) or Mathematics (085)

*Recent Term(s) Offered: summer 2022; summer 2024*

**MATH 510 Intermediate Statistics 3 Hours**

Extended coverage of experimental design and data collection, statistical inference including confidence intervals, estimation, tests of significance, comparison of population parameters, and multiple regression.

**Prerequisite(s):** MATH 501

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**MATH 511 Algebra from an Advanced Perspective 3 Hours**

Topics in algebra from an advanced perspective including analysis of functions and polynomials, number theory, and fields.

**Restriction(s):** Enrollment is limited to students in Mathematics (049)

*Recent Term(s) Offered: fall 2022; summer 2023; fall 2023; fall 2024*

**MATH 512 Geometry from an Advanced Perspective 3 Hours**

Topics in geometry from an advanced perspective including a theoretical examination of transformations in real and complex plane; distance congruence, and similarity in a variety of contexts; connections and applications between geometry, trigonometry, and calculus.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**MATH 514 Mathematical Modeling and Applications 3 Hours**

Uses mathematical modeling to describe and explore real world problems using algebraic, geometric, and statistical approaches.

**Restriction(s):** Enrollment is limited to students in Mathematics (049)

*Recent Term(s) Offered: spring 2022; summer 2023; spring 2024; fall 2024*

**MATH 515 Introduction to Number Theory 3 Hours**

An introduction to number theory, including, but not limited to, divisibility, congruences, quadratic reciprocity, theory of primes, Fermat's Theorem, Euler's Theorem, application problems

**Restriction(s):** Enrollment is limited to students in Mathematics (049)  
*Recent Term(s) Offered: spring 2023; spring 2024*

**MATH 517 Topics from Algebra 3 Hours**

Theory of rings, fields, and vector spaces. Topics include: polynomial rings, principal ideal domains, unique factorization domains, field extensions, Galois theory.

*Recent Term(s) Offered: None*

**MATH 529 Applied Probability 3 Hours**

Axiomatic development of the theory of probability. Introduction to Markov chains, random variables, distributions, transformations. Limit theorems and various modes of convergence.

*Recent Term(s) Offered: None*

**MATH 531 Advanced Differential Equations 3 Hours**

Power series solutions, existence and uniqueness theorems, stability and Liapunov's method, regular singular points, perturbations of periodic solutions.

*Recent Term(s) Offered: None*

**MATH 532 Real Analysis 3 Hours**

Function spaces, additive set functions, outer measure; measurable functions, integration.

*Recent Term(s) Offered: spring 2022*

**MATH 535 Advanced Applied Mathematics- I 3 Hours**

Eigenvalue and boundary value problems, orthogonal expressions in function spaces, classic polynomials, Sturm-Liouville theory, Fourier and Laplace transforms.

*Recent Term(s) Offered: fall 2023*

**MATH 536 Advanced Applied Mathematics- II 3 Hours**

Integral equations, calculus of variations, maximization of linear functionals, gradient methods.

**Prerequisite(s):** MATH 535

*Recent Term(s) Offered: None*

**MATH 539 Topology II 3 Hours**

Homotopy, homology theory.

*Recent Term(s) Offered: None*

**MATH 540 Stochastic Processes 3 Hours**

Theory and application of stochastic processes; random walks; Markov chains; Poisson processes; birth and death processes; queues; renewal and branching processes; computer simulations.

*Recent Term(s) Offered: None*

**MATH 541 Graph Theory 3 Hours**

Introduction to the basic concepts of graph theory. Topics include Eulerian circuits, Hamiltonian cycles, coloring problems and planar graphs. Note: Undergraduate major in mathematics required.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2023*

**MATH 542 Advanced Topics in Discrete Mathematics 3 Hours**

Combinatorics, ordered sets and lattice theory, modeling with difference equations, discrete calculus, dynamic equations on time scales.

*Recent Term(s) Offered: None*

**MATH 550 Complex Analysis 3 Hours**

Analytic continuation, conformal mapping, Riemann surfaces, and univalent functions.

*Recent Term(s) Offered: None*

**MATH 570 Topics in Operations Research 3 Hours**

Specific area(s) of operations research.

*Recent Term(s) Offered: None*

**MATH 585 Advanced Mathematical Thinking I 3 Hours**

Students will explore and identify connections between research in mathematics education and the mathematics content, from an advanced perspective, they are teaching in their courses.

**Prerequisite(s):** (MATH 501 and MATH 503 and MATH 511) and (MATH 512 or MATH 515 (may be taken concurrently))

**Restriction(s):** Enrollment is limited to students in Mathematics (049)

*Recent Term(s) Offered: summer 2023; summer 2024*

**MATH 590 Special Topics in Mathematics 3 Hours** (repeatable max of 6 hrs)

No course description is available.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: fall 2022; fall 2023; spring 2024*

**MATH 595 Advanced Mathematical Thinking II 3 Hours**

Students will conduct their own research project regarding secondary students' mathematical thinking, applying what was learned in MATH 585 (Adv Mathematical Thinking I).

**Prerequisite(s):** MATH 585

**Restriction(s):** Enrollment is limited to students in Mathematics (049)

*Recent Term(s) Offered: fall 2023; fall 2024*

**MATH 598 Graduate Seminar: Communicating Mathematics and Technical Writing 3 Hours**

This course will familiarize graduate students in mathematics with the many different areas of mathematics and active research topics in the field as well as give them an opportunity to practice effective oral presentation skills. Students will also learn mathematical typesetting with LaTeX.

*Recent Term(s) Offered: spring 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**MATH 599 Thesis/Research 1-6 Hours** (repeatable max of 6 hrs)

Thesis research and writing directed by faculty committee.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**MATH 600 Maintaining Matriculation 1-6 Hours** (repeatable max of 6 hrs)

Continued enrollment for thesis completion.

*Recent Term(s) Offered: fall 2022*

## Middle Grades Education (MGE)

**MGE 534 Seminar in Mathematics Education 3 Hours**

This course covers newer concepts in curriculum and methods of instruction, current research and instructional unit development in mathematics education.

**Prerequisite(s):** EDU 520 and EDU 522

**Equivalent(s):** SEC 534

*Recent Term(s) Offered: None*

**MGE 545 Investigations in Classroom Teaching 1-3 Hours** (repeatable max of 3 hrs)

Opportunity for middle school teachers to engage in concentrated study of specific problems and/or development of specific skills related to effective classroom instruction.

*Recent Term(s) Offered: None*

**MGE 570 Workshop - Workshop in Middle School Education 1-3 Hours** (repeatable max of 6 hrs)

Activity-centered on a relevant area of study.

*Recent Term(s) Offered: None*

**MGE 571 Middle Grades Curriculum 3 Hours**

Examination of programs designed for the young adolescent. Functions, organizations, planning, and evaluation of the curriculum. Includes special curricular areas.

*Recent Term(s) Offered: None*

## Modern Languages (MLNG)

**MLNG 410G 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.

*Recent Term(s) Offered: None*

**MLNG 420G Multimedia Technologies in Teaching Foreign Languages 3 Hours**

Pedagogical and hands-on training for in-service teachers. Note: For students pursuing teacher certification in French, German, Spanish or other language.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**MLNG 474G 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 appropriate settings away from campus are required. Note: Students are responsible for arranging their own transportation to designated or assigned sites.

**Corequisite(s):** SEC 453

*Recent Term(s) Offered: None*

**MLNG 480G 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.

*Recent Term(s) Offered: None*

## Music (MUS)

**MUS 500 Theory Seminar 3 Hours**

Study and application of analytical techniques as they apply to the formal structure of music.

*Recent Term(s) Offered: fall 2022; fall 2023; spring 2024*

**MUS 509 Music Curriculum in the Elementary and Middle Schools 3 Hours**

Includes advanced study of contemporary elementary music education trends, methodologies, instructional techniques, and materials. Expands contemporary instructional methods.

*Recent Term(s) Offered: spring 2022; spring 2023*

**MUS 511 Research Methods in Music 3 Hours**

The philosophical, historical and experimental research methods in music/music education and their application within 21st century teaching-learning contexts.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**MUS 512 Music Education Workshop 1-3 Hours** (repeatable max of 6 hrs)

A variable topic workshop.

*Recent Term(s) Offered: fall 2022; fall 2023*

**MUS 513 Independent Directed Study/Music Education 3 Hours** (repeatable max of 12 hrs)

Research projects in music education.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024*

**MUS 514 Secondary Music Curriculum 3 Hours**

Includes advanced study of 21st century music education curriculum, instruction, assessment, and research-based practices applicable for teaching junior and senior high school performing and non-performing courses. Classroom management strategies and use of multiple modes of technology applicable for teaching and assessing music will be addressed.

*Recent Term(s) Offered: fall 2022*

**MUS 517 Arts/Humanities for P-5 Instruction 3 Hours**

Developmentally appropriate dance, drama/theatre, music, and visual art content (structural elements and purposes) and artistic processes (skills inherent within each art form) within the context of humanities (historical periods and multi-cultures), culminating in the design of interdisciplinary arts units for P-5 instruction.

*Recent Term(s) Offered: None*

**MUS 518 Advanced Conducting 1 Hour** (repeatable max of 4 hrs)

Course designed to sharpen and enhance skills as an ensemble conductor. Emphasis on specific conducting problems, rehearsal techniques and score study.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**MUS 519 Conducting Seminar 3 Hours** (repeatable max of 6 hrs)

A survey of topics and materials related to the analytical and pedagogical aspects of instrumental or choral conducting.

*Recent Term(s) Offered: fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**MUS 520 Advanced Pedagogy 3 Hours**

In-depth study and application of pedagogical principles for the applied music teacher in a private studio setting.

*Recent Term(s) Offered: spring 2022; summer 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**MUS 525 Music and the Human Experience 3 Hours**

An investigation and study of the art of music encompassing the historical, philosophical, psychological and sociological tenets of the discipline.

*Recent Term(s) Offered: spring 2022; spring 2023*

**MUS 530 Music Literature 3 Hours**

Investigation of a specialized area not covered in other music literature courses.

*Recent Term(s) Offered: spring 2022; spring 2023; fall 2023; spring 2024*

**MUS 538 Independent Directed Study/Theory-Literature 3 Hours**

Supervised private research culminating in a scholarly paper.

*Recent Term(s) Offered: spring 2022; spring 2023; summer 2023; fall 2023; spring 2024; fall 2024*

**MUS 540 Choral Union 1 Hour (repeatable max of 4 hrs)**

Performing ensembles are open to the entire campus community and most require an audition prior to membership. Specific ensembles are an elective and require advisor approval for music degrees.

*Recent Term(s) Offered: spring 2024; fall 2024*

**MUS 541 University Choir 1 Hour (repeatable max of 4 hrs)**

Performing ensembles are open to the entire campus community and most require an audition prior to membership. Specific ensembles are an elective and require advisor approval for music degrees.

*Recent Term(s) Offered: None*

**MUS 544 University Orchestra 1 Hour (repeatable max of 4 hrs)**

Performing ensembles are open to the entire campus community and most require an audition prior to membership. Specific ensembles are an elective and require advisor approval for music degrees.

*Recent Term(s) Offered: spring 2022; fall 2023; spring 2024; fall 2024*

**MUS 545 Chamber Singers 1 Hour (repeatable max of 4 hrs)**

Performing ensembles are open to the entire campus community and most require an audition prior to membership. Specific ensembles are an elective and require advisor approval for music degrees.

*Recent Term(s) Offered: None*

**MUS 547 Marching Band 1 Hour**

Performing ensembles are open to the entire campus community and most require an audition prior to membership. Specific ensembles are an elective and require advisor approval for music degrees.

*Recent Term(s) Offered: None*

**MUS 548 Band 1 Hour (repeatable max of 4 hrs)**

Performing ensembles are open to the entire campus community and most require an audition prior to membership. Specific ensembles are an elective and require advisor approval for music degrees.

*Recent Term(s) Offered: spring 2022; spring 2023*

**MUS 549 Chamber Music 1 Hour (repeatable max of 4 hrs)**

Students enrolled in this course have attained considerable ability as a performer and must audition. This course can include all types of instrumental and choral chamber music literature.

*Recent Term(s) Offered: None*

**MUS 550 Applied Music Secondary 1 Hour (repeatable max of 4 hrs)**

Applied study intended for beginners and requires no audition.

*Recent Term(s) Offered: fall 2022; spring 2024*

**MUS 553 Applied Music Principal 2 Hours (repeatable max of 8 hrs)**

Applied study assumes graduate-level proficiency.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**MUS 571 Jazz Ensemble 1 Hour (repeatable max of 4 hrs)**

Performing ensembles are open to the entire campus community and most require an audition prior to membership. Specific ensembles are electives and require advisor approval for music degrees.

*Recent Term(s) Offered: spring 2022*

**MUS 574 Opera Theatre 1 Hour**

Performing ensembles are open to the entire campus community and most require an audition prior to membership. Specific ensembles are electives and require advisor approval for music degrees.

*Recent Term(s) Offered: None*

**MUS 625 Graduate Capstone Project 3 Hours**

Independent study and preparation for the graduate capstone project in music education, conducting, or pedagogy.

**Prerequisite(s):** (MUS 511 or MUS 518 or MUS 520)

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; spring 2024*

## Nursing (NURS)

**NURS 415G 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.

*Recent Term(s) Offered: None*

**NURS 500 Advanced Physiological and Pathophysiological Concepts 4 Hours**

Normal physiological and pathophysiological mechanisms of disease are used to explain human responses to potential and actual health problems across the life span as a foundation for clinical practice, decision-making and management.

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011), Family Nurse Practitioner (0449), Psych Mental Health Nurs prac (0479) or Nursing (149)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**NURS 501 Nursing, Politics and Health Policy 2 Hours**

Focuses on health care economics and policy analysis of current health care problems and issues. Emphasizes the role of the advanced practice nurse in health policy formation and political action.

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011) or Nursing (149)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**NURS 503 Advanced Health Assessment 2 Hours**

Emphasis is on advanced health assessment skills and techniques of interviewing that are utilized by the nurse in a primary or acute care setting. Diagnostic laboratory studies will also be discussed as they relate to the nurse in advanced professional practice.

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011) or Nursing (149)

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**NURS 504 Theoretical Foundations of Professional Nursing 3 Hours**

This course provides the student with a basis for theory development, analysis of selected conceptual and theoretical frameworks for advanced professional nursing practice, and provides knowledge concerning ANA's Social Policy Statement, and role socialization in advanced nursing practice. In addition, the concepts of case management and management care will be analyzed as approaches to advanced nursing practice.

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011) or Nursing (149)

*Recent Term(s) Offered: fall 2022; fall 2023; summer 2024; fall 2024*

**NURS 505 Advanced Health Assessment Clinical 1 Hour**

Students will demonstrate advanced health assessment skills and techniques in the clinical setting.

**Corequisite(s):** NURS 503

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011), Family Nurse Practitioner (0449), Psyc Mental Health Nurs prac (0479), Nursing (149) or Nursing Education (Post MSN) (172)

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**NURS 507 Advanced Psychiatric Nurse Practitioner Assessment and Clinical Interviewing Techniques 1 Hour**

Emphasis is on the advanced psychiatric assessment and techniques of interviewing including health promotion/disease prevention skills utilized by the advanced psychiatric mental health nurse practitioner. The population focus approach utilizes the current Diagnostic and Statistical Manual for diagnosing psychopathology through case studies and experiential exercises. Includes the application of health behavior theories when assessing health promotion and/or maintenance in populations.

**Prerequisite(s):** NURS 503 with a minimum grade of B and NURS 505 with a minimum grade of B

**Restriction(s):** Enrollment is limited to students in Psyc Mental Health Nurs prac (0479) or Nursing (149)

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**NURS 508 Advanced Issues in Professional Nursing 1 Hour**

Analysis and synthesis of selected political, legal, ethical, socioeconomic, and technological issues impacting advanced nursing practice.

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011), Nurse Administrator (Post MSN) (0420), Family Nurse Practitioner (0449), Nursing (149) or Nursing Education (Post MSN) (172)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**NURS 509 Practice Management for Advanced Practice Nurses 1 Hour**

Focuses on legal and regulatory issues and business skills important to the management of a primary care practice for advanced practice nurses.

**Restriction(s):** Enrollment is limited to students in Family Nurse Practitioner (0449) or Nursing (149)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**NURS 510 Graduate Nursing Research 3 Hours**

This course is designed to increase excitement about nursing research and facilitate the search for knowledge through research. A strong conceptual framework linking research with practice, theory, knowledge and philosophy will be stressed. Note: Graduate statistics course required.

**Prerequisite(s):** NURS 504

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011) or Nursing (149)

*Recent Term(s) Offered: spring 2022; summer 2022; spring 2023; summer 2023; spring 2024; summer 2024*

**NURS 511 Advanced Psychiatric Nurse Practitioner III 1 Hour**

Emphasis is on exploration, discussion, and analysis of current advanced psychiatric-mental health nurse practitioner topics. Includes current practice trends, medicolegal, ethical, business and other issues related to PMHNP practice.

**Prerequisite(s):** NURS 525 with a minimum grade of B and NURS 526 with a minimum grade of B

**Corequisite(s):** NURS 527

**Restriction(s):** Enrollment is limited to students in Psyc Mental Health Nurs prac (0479) or Nursing (149)

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**NURS 512 Research Applications 2 Hours**

Includes interpretation, critique and communication of research findings; examine sources and application process for research funding. Written papers, oral presentations and projects required.

**Prerequisite(s):** NURS 510 with a minimum grade of B

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011), Nurse Administrator (Post MSN) (0420), Family Nurse Practitioner (0449), Psyc Mental Health Nurs prac (0479), Emergency Nurse Practitioner (0480), Nursing (149) or Nursing Education (Post MSN) (172)

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**NURS 513 Advanced Pharmacology for Nurse Educators 2 Hours**

The advance study of pharmacotherapeutics of select drug groups with implications for patients from across the lifespan. The pharmacokinetics, pharmacogenetics, and pharmacodynamics of drugs are reviewed. Emphasis is on the importance of the nurse educator's role in teaching safe and effective medication management.

*Recent Term(s) Offered: None*

**NURS 515 Advanced Pharmacology 4 Hours**

Pharmacologic applications for primary care practice designed to prepare nurse practitioners for prescribing drugs within their scope of practice. Basic pharmacologic principles and the pharmacologic actions of major drug classes will be discussed in relation to physiologic systems with emphasis on the application of these agents to primary care practice.

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011), Nurse Administrator (Post MSN) (0420), Family Nurse Practitioner (0449), Psyc Mental Health Nurs prac (0479), Emergency Nurse Practitioner (0480), Nursing (149) or Nursing Education (Post MSN) (172)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**NURS 519 Advanced Pathophysiology for Nurse Educators 2 Hours**

Normal physiological and pathophysiological mechanisms of disease are used to explain human responses to potential and actual health problems across the lifespan as a foundation for the nurse educator to educate nursing students.

**Restriction(s):** Enrollment is limited to students in Nursing (149)

*Recent Term(s) Offered: None*

**NURS 520 Teaching in Schools of Nursing 3 Hours**

This course is designed to assist the student to develop skills necessary for teaching nursing. Focus will be on development of the teaching - learning plan, identification of appropriate teaching strategies, development of appropriate evaluation methods, and socialization activities for nursing faculty.

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011) or Nursing (149)

*Recent Term(s) Offered: None*

**NURS 521 Statistics in Health Care 3 Hours**

Fundamental statistical concepts and techniques addressed include levels of measurement, measurement reliability and validity, and common statistical techniques. The emphasis will be on the application of statistics in health care research to improve clinical outcomes.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**NURS 522 Teaching in Schools of Nursing Internship 2 Hours**

This course provides the student the opportunity to implement the nurse-faculty role in an academic setting. The student works with an experienced nurse-faculty to gain actual experience teaching nursing and refining techniques related to the teaching-learning process. Students must be in the final semester off the program to enroll in this capstone experience.

*Recent Term(s) Offered: None*

**NURS 523 Adv Psychiatric Nurse Practitioner I: Diag/Mgmt Psych Disorders in Adults and Elderly 3 Hours**

Provides the student with opportunities to integrate and apply psychiatric frameworks, theories, and research findings related to common acute and chronic psychiatric disorders among adults and elderly patients. Emphasis is on the developmental issues of adult and elderly patients, psychotherapeutic modalities, psychopharmacology, psychoeducation, primary prevention, and evaluation of treatment.

**Prerequisite(s):** NURS 507 with a minimum grade of B

**Corequisite(s):** NURS 524

**Restriction(s):** Enrollment is limited to students in Psyc Mental Health Nurs prac (0479) or Nursing (149)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**NURS 524 Advanced Psychiatric Nurse Practitioner I: Clinical 2 Hours**

During clinical experiences, foundational competencies for advanced psychiatric nursing practice will be addressed and practiced. Students will be conduct comprehensive and systematic psychiatric assessments, diagnose common psychiatric illnesses, implement pharmacologic and psychosocial interventions, and evaluate treatment outcomes for adult and elderly patients with mental health problems and psychiatric disorders. A variety of settings across the healthcare continuum will be utilized. Multidisciplinary and interprofessional collaboration, a function of the Psychiatric Mental Health Nurse Practitioner (PMHNP), is integrated into clinical experiences. Course requires 12 hours per week clinical time.

**Prerequisite(s):** NURS 507 with a minimum grade of B

**Corequisite(s):** NURS 523

**Restriction(s):** Enrollment is limited to students in Psyc Mental Health Nurs prac (0479) or Nursing (149)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**NURS 525 Adv Psychiatric Nurse Practitioner II: Diag/Mgmt Psych Disorders in Child, Adolescent, Young Adult 3 Hours**

Provides the student with opportunities to integrate and apply psychiatric frameworks, theories, and research findings related to common acute and chronic psychiatric disorders among child, adolescent, and young adult patients. Emphasis is on the developmental issues of child, adolescent, and young adult patients, psychotherapeutic modalities, psychopharmacology, psychoeducation, primary prevention, and evaluation of treatment.

**Prerequisite(s):** NURS 523 with a minimum grade of B and NURS 524 with a minimum grade of B

**Corequisite(s):** NURS 526

**Restriction(s):** Enrollment is limited to students in Psyc Mental Health Nurs prac (0479) or Nursing (149)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**NURS 526 Advanced Psychiatric Nurse Practitioner II: Clinical 2 Hours**

During clinical experiences, foundational competencies for advanced psychiatric nursing practice will be addressed and practiced. Students will conduct comprehensive and systematic psychiatric assessments, diagnose common psychiatric illnesses, implement pharmacologic and psychosocial interventions, and evaluate treatment outcomes for child, adolescent, and your adult patients with mental health problems and psychiatric disorders. A variety of settings across the healthcare continuum will be utilized. Multidisciplinary and interprofessional collaboration, a function of the Psychiatric Mental Health Nurse Practitioner (PMHNP), is integrated into clinical experiences. Course requires 12 hours per week clinical time.

**Prerequisite(s):** NURS 523 with a minimum grade of B and NURS 524 with a minimum grade of B

**Corequisite(s):** NURS 525

**Restriction(s):** Enrollment is limited to students in Psyc Mental Health Nurs prac (0479) or Nursing (149)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**NURS 527 Advanced Psychiatric Nurse Practitioner III: Internship 5 Hours**

This is the culminating clinical experience where students demonstrate theories and roles, along with competencies for advanced psychiatric nursing practice. Students will conduct comprehensive and systematic psychiatric assessments, diagnose common acute and chronic psychiatric illnesses, implement pharmacologic and psychosocial interventions, and evaluate treatment outcomes across the lifespan for patients with mental health problems and psychiatric disorders.

A variety of settings across the healthcare continuum will be utilized. Multidisciplinary and interprofessional collaboration, a function of the Psychiatric Mental Health Nurse Practitioner (PMHNP), is integrated into clinical experiences. Course requires 20-25 hours per week clinical time.

**Prerequisite(s):** NURS 525 with a minimum grade of B and NURS 526 with a minimum grade of B

**Corequisite(s):** NURS 511

**Restriction(s):** Enrollment is limited to students in Psych Mental Health Nurs prac (0479) or Nursing (149)

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**NURS 528 Leadership and Management in Nursing Administration 3 Hours**

Integrates nursing, business and related theory to provide a framework for examination of issues related to efficient and effective administration and management of resources for patient care delivery. Note: Completion of 3-4 support courses required.

**Prerequisite(s):** NURS 504 and NURS 506 and NURS 510

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**NURS 530 Nursing Administration Practicum 3 Hours**

This course will provide an opportunity to develop advanced nursing administration skills in the management of human resources and analysis of models for the organization of nursing services.

**Prerequisite(s):** NURS 528 with a minimum grade of B

*Recent Term(s) Offered: None*

**NURS 531 Clinical Teaching in Nursing Education 2 Hours**

Essentials of clinical nursing instruction, including management of clinical experiences, clinical teaching strategies, evaluation of students, and legal/ethical problems encountered in clinical instructions.

**Restriction(s):** Enrollment is limited to students in Nursing (149)

*Recent Term(s) Offered: None*

**NURS 532 Teaching in Nursing: Roles and Professional Issues 2 Hours**

Provides an overview of the role of the nurse educator in academic settings. Includes selected topics relevant to successful transition to an academic role such as legal, ethical, and professional issues.

**Restriction(s):** Enrollment is limited to students in Nursing (149)

*Recent Term(s) Offered: None*

**NURS 535 Health Assessment for the Master Entry Professional Nurse 3 Hours**

Development of physical assessment skills to determine health status of clients across the life span. Incorporates health promotion, preventative guidelines and patient teaching. Note: Students must be admitted to JUMP for MSN-Master Entry Professional Nursing (MEPN) Concentration.

**Restriction(s):** Enrollment is limited to students in Nursing (149)

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**NURS 536 Advanced Psychopharmacology 1 Hour**

This course provides advanced practice content in psychopharmacologic management and evaluation for patients related to the PMHNP role.

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011) , Family Nurse Practitioner (0449) , Psych Mental Health Nurs prac (0479) or Nursing (149)

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**NURS 546 Primary Care of the Infant, Child, and Adolescent 3 Hours**

Focuses on infant, child, and adolescent health. Emphasis will be on health maintenance, management of common health problems, and health education. The role of the nurse as primary care practitioner in a variety of settings will be examined.

**Prerequisite(s):** NURS 500 with a minimum grade of B and NURS 503 with a minimum grade of B and NURS 504

**Corequisite(s):** NURS 547

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011) , Family Nurse Practitioner (0449) or Nursing (149)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**NURS 547 Primary Care of the Infant, Child and Adolescent Clinical 2 Hours**

Focuses on the clinical care of the infant, child, and adolescent health in the primary care setting. Emphasis will be on health maintenance, management of common health problems, and health education.

**Prerequisite(s):** NURS 500 with a minimum grade of B and NURS 503 with a minimum grade of B and NURS 504

**Corequisite(s):** NURS 546

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011) , Family Nurse Practitioner (0449) or Nursing (149)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**NURS 548 Primary Care of the Adult 3 Hours**

Focuses on adult health. Emphasis will be on health maintenance, management of common health problems, and health education. The role of the nurse as primary care practitioner in a variety of settings will be examined.

**Prerequisite(s):** NURS 500 with a minimum grade of B and NURS 503 with a minimum grade of B and NURS 504

**Corequisite(s):** NURS 549

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011) , Family Nurse Practitioner (0449) or Nursing (149)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**NURS 549 Primary Care of the Adult Clinical 2 Hours**

Focuses on clinical care of the adult. Emphasis will be on health maintenance, management of common health problems, and health education. The role of the nurse as primary care practitioner in a variety of settings will be examined.

**Prerequisite(s):** NURS 500 and NURS 503 and NURS 504

**Corequisite(s):** NURS 548

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011) , Family Nurse Practitioner (0449) or Nursing (149)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**NURS 554 Primary Care Internship 5 Hours**

This course is a clinical practicum and the student will focus on children, adolescents, adults and the aged. The role of the nurse as a primary health care provider in a variety of settings will be explored. Minimum of twenty-eight hours per week.

**Prerequisite(s):** NURS 546 and NURS 547 and NURS 548 and NURS 549

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011), Family Nurse Practitioner (0449) or Nursing (149)

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**NURS 560 Curriculum Development in Nursing Education 2 Hours**

Provides the theory and processes to develop, design, and evaluate nursing curricula and programs. The use of curriculum accreditation standards that guide curriculum development and evaluation is studied to direct nursing faculty in curriculum development. Develops the National League for Nursing (NLN) Core Competencies for Nurse Educators 4: Participate in curriculum design and evaluation of program outcomes.

**Restriction(s):** Enrollment is limited to students in Nursing (149)

*Recent Term(s) Offered: None*

**NURS 561 Distance Education & Technology in Nursing 2 Hours**

Provides an overview of the basics of technology in nursing education including distance learning and web-based course design and simulation. Includes the theoretical underpinnings as well as suggestions for practical application in the nursing education. Includes skills related to web-based course design and evaluation and use of high-fidelity simulators. Develops the National League for Nursing (NLN) Core Competencies for Nurse Educators I: Facilitate learning: Uses information skillfully to support the teaching-learning process.

**Restriction(s):** Enrollment is limited to students in Nursing (149)

*Recent Term(s) Offered: None*

**NURS 563 Teaching in Healthcare Organizations 2 Hours**

Develops skills and competencies specific to the role of the nurse educator in staff development for hospitals and other healthcare organizations. Provides opportunity to build competencies for the staff development professional identified by the American Nurses Credentialing Center (ANCC) as preparation for advanced certification in Nursing Professional Development.

**Restriction(s):** Enrollment is limited to students in Nursing (149)

*Recent Term(s) Offered: None*

**NURS 564 Teaching in Healthcare Organizations Practicum 1 Hour**

This is a practicum experience to facilitate the nurse educator in developing skills and competencies needed for successful implementation of the roles of the hospital or health care organization education specialist. The nurse works with an experienced preceptor to implement planned learning activities for a total of 60 contact hours. Provides opportunity to build competencies for the staff development professional identified by the American Nurses Credentialing Center (ANCC) as preparation for advanced certification in Nursing Professional Development.

**Prerequisite(s):** NURS 563 or permission of instructor

*Recent Term(s) Offered: None*

**NURS 565 Teaching Strategies in Nursing Education 2 Hours**

Builds upon educational theory presented in NURS 504 Advanced Nursing Theory, emphasizing andragogy and issues related to learner diversity. Analyzes teaching strategies and modalities relevant to classroom and clinical teaching in nursing education in structured and unstructured settings.

**Restriction(s):** Enrollment is limited to students in Nursing (149)

*Recent Term(s) Offered: None*

**NURS 590 Special Topics in Nursing 1-3 Hours** (repeatable max of 6 hrs)

Supervised individual or group study on special topics in nursing.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**NURS 591 Special Topics in Nursing 1-6 Hours** (repeatable max of 6 hrs)

Individual or group study on special topics in clinical nursing.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: winter 2022; summer 2022; winter 2023; summer 2023; summer 2024*

**NURS 599 Thesis Research and Writing 1-6 Hours** (repeatable max of 6 hrs)

During this course the student will work under the direction of a faculty advisor to complete a thesis.

**Prerequisite(s):** NURS 510 with a minimum grade of B

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011) or Nursing (149)

*Recent Term(s) Offered: None*

**NURS 600 Maintaining Matriculation 1-6 Hours** (repeatable max of 6 hrs)

Continued enrollment for thesis completion.

**Prerequisite(s):** NURS 510 with a minimum grade of B and NURS 599 with a minimum grade of P

*Recent Term(s) Offered: None*

**NURS 601 Orientation to Doctor of Nursing Practice 2 Hours**

An immersion experience that introduces the DNP student to program outcomes and policies, DNP roles and responsibilities, and faculty expectations. Laboratory experiences include leadership and self-assessment activities.

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011)

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**NURS 605 Leadership in Nursing Practice 3 Hours**

Expands theory related to clinical prevention and population health to improve health outcomes through interdisciplinary collaboration, consultation and management of patient care.

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011) or Nursing (149)

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**NURS 606 Advanced Clinical Practice 1 Hour**

Designs, coordinates and evaluates patient care outcomes for a patient population.

**Prerequisite(s):** NURS 605 or permission of instructor

*Recent Term(s) Offered: None*



**NURS 620 Biostatistics for Healthcare Professionals 3 Hours**

Application of quantitative analysis approaches to evaluation of epidemiological based data using descriptive and inferential statistical methods. Discussion and application to a Healthcare dataset.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**NURS 621 High Acuity Nursing for the Master Entry Professional Nurse 3 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 and incorporates nursing theory.

**Restriction(s):** Enrollment is limited to students in Nursing (149)

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**NURS 624 Pathophysiology for the Master Entry Professional Nurse 3 Hours**

Explores 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 manifestations of selected disease processes. Incorporate current and emerging genetic evidence in providing care to individuals, families, and communities.

**Restriction(s):** Enrollment is limited to students in Nursing (149)

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; fall 2024*

**NURS 629 Pharmacology for the Master Entry Professional Nurse 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. Incorporate current and emerging genetic evidence and technologies in providing care to individuals, families, and communities.

**Restriction(s):** Enrollment is limited to students in Nursing (149)

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**NURS 630 Advanced Epidemiology 3 Hours**

Integrates epidemiologic principles for decision-making in Healthcare for improved patient and population outcomes. It is intended for DNP and other Healthcare leaders.

**Prerequisite(s):** (NURS 700 with a minimum grade of B and NURS 620) or permission of instructor

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**NURS 662 Assessment and Evaluation in Nursing Education 2 Hours**

Assessment and evaluation strategies in nursing education are explored with an emphasis on the test plan design based upon the National Council of Licensing Examination (NCLEX), developing, analyzing, and revising classroom tests and competency validation of clinical nursing skills. Components and processes of program evaluation focuses on the nursing program, curriculum, environment, and university outcomes. Develops the National League for Nursing (NLN) Competencies for Nurse Educators, Competency 3: Use assessment and evaluation strategies and Competency 6: Pursue continuous quality improvement in the nurse educator role.

*Recent Term(s) Offered: None*

**NURS 700 Healthcare Leadership and Organizational Theory 3 Hours**

Synthesizes leadership theory and organizational models within the context of the health care industry. Models of human resource management, change management, strategic planning, program development and implementation will be explored with an emphasis on the DNP's role in complex health care organizations.

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**NURS 701 Leadership in Health Policy 3 Hours**

Critical analysis of current issues in health policy. Develops nursing leadership role to influence health policy and improve the healthcare delivery system and patient outcomes.

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**NURS 712 Evidenced-Based Practice 3 Hours**

Provides students with the knowledge and tools to critique, synthesize and differentiate evidence related to health problems of specific populations. Students will explore evidence-based practices that have been used to address health problems in their areas of interest.

**Prerequisite(s):** (NURS 504 or equivalent) and (NURS 510 with a minimum grade of B or equivalent) and (NURS 620 or equivalent) and NURS 700 with a minimum grade of B or permission of instructor

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**NURS 714 Economic and Financial Influences in Healthcare Systems 3 Hours**

Application and critical appraisal of economic and financial theories in appreciating market dynamics, utilities, incentive structures, and driving and restraining forces in healthcare changes.

**Prerequisite(s):** NURS 620

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**NURS 740 Technology in Healthcare 3 Hours**

Focuses on technology as applied to nursing and healthcare. Theory and experiential learning (computer systems, technology) are necessary for utilizing technology and a clinical component is included.

**Prerequisite(s):** NURS 700 with a minimum grade of B or permission of instructor

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**NURS 750 Program Development and Evaluation in Healthcare 3 Hours**

Analysis and application of theory related to the evaluation of programs and evidenced-based interventions designed to improve the healthcare of populations in a variety of healthcare settings. Working independently or in a team, the DNP student will assess the quality and cost effectiveness of programs in selected healthcare organizations.

**Prerequisite(s):** NURS 712 with a minimum grade of B

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**NURS 755 Quality Improvement in Healthcare 3 Hours**

Provides theoretical foundations for application of quality improvement tools and methods to improve process/systems, knowledge to lead quality improvement/patient safety initiatives in healthcare systems.

**Prerequisite(s):** NURS 712 with a minimum grade of B or permission of instructor

*Recent Term(s) Offered: spring 2022; summer 2022; spring 2023; summer 2023; summer 2024*

**NURS 765 Institutional Review Board Process in Nursing 1 Hour**

Overview of the institutional review board (IRB) process with development of an IRB for the capstone project.

**Prerequisite(s):** NURS 750 with a minimum grade of B and NURS 755 with a minimum grade of B

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**NURS 780 Clinical Practicum 3,6 Hours** (repeatable max of 6 hrs)

Students will synthesize, integrate, and translate newly acquired knowledge and skills to implement and evaluate a capstone project. Clinical experiences are individually designed within the context of the healthcare system and/or patient population focus of the student's interest. Student must complete a total of six credit hours.

**Prerequisite(s):** NURS 750 with a minimum grade of B and NURS 755 with a minimum grade of B and NURS 765

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**NURS 800 Maintaining Matriculation 1-3 Hours** (repeatable max of 3 hrs)

This course is for Doctor of Nursing Practice (DNP) students who have completed 6 hours of NURS 780 and have not completed their project and/or technical report in the DNP program.

**Prerequisite(s):** NURS 780 with a minimum grade of P

**Restriction(s):** Enrollment is limited to students in Nursing Practice (0011)

*Recent Term(s) Offered: fall 2022; spring 2023; spring 2024*

## Philosophy (PHIL)

**PHIL 401G Readings in Philosophy 3 Hours** (repeatable max of 6 hrs)

An intensive study of selected philosophic classics or readings in a selected area of philosophy.

*Recent Term(s) Offered: None*

**PHIL 415G Advanced Logic 3 Hours**

Advanced topics in First Order Logic, through Quantification Theory with Identity, and topics in the Philosophy of Logics. The course will emphasize Computer Assisted Instruction (CAI) and will use the campus VAX network.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**PHIL 426G Philosophy and Old Age 3 Hours**

Examination of philosophical themes bearing on old age, such as: meaning, memory, selfhood, autonomy, im/immortality, euthanasia, filial obligation, intergenerational justice, authority, dignity, virtue/vice, beauty.

*Recent Term(s) Offered: None*

**PHIL 427G 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.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**PHIL 499G Independent Research in Philosophy 3 Hours** (repeatable max of 12 hrs)

Directed study and research in one area of philosophy. The research will culminate in an acceptable thesis.

*Recent Term(s) Offered: None*

## Physics (PHYS)

**PHYS 404G Laboratory Optics 1 Hour**

The conclusions and concepts of optics and techniques of experimental optics.

**Corequisite(s):** PHYS 441G

*Recent Term(s) Offered: None*

**PHYS 431G Radiation Biophysics 4 Hours**

The properties of the various forms of radiation and their interactions with, and effects on, living matter. Laboratory offers training in monitoring ionizing radiations and techniques of radioactive isotopes.

**Prerequisite(s):** PHYS 201 and PHYS 202 or (PHYS 231 and PHYS 232)

*Recent Term(s) Offered: None*

**PHYS 440G Electromagnetism I 3 Hours**

Introduction to the study of classical electromagnetic fields, including electrostatics.

*Recent Term(s) Offered: None*

**PHYS 441G Optics 3 Hours**

Geometrical and physical optics including wave propagation, refraction, dispersion, diffraction, and polarization. Note: One year of college physics and one year of calculus required.

**Corequisite(s):** PHYS 404G

*Recent Term(s) Offered: None*

**PHYS 445G Electromagnetism II 3 Hours**

Study of classical electrodynamics with emphasis on Maxwell's equations, electromagnetic waves, dispersion and radiation.

*Recent Term(s) Offered: None*

**PHYS 450G Classical Mechanics II 3 Hours**

A continuation of PHYS 350. Includes motion in central potentials, dynamics of systems of particles, rigid body motion.

*Recent Term(s) Offered: None*

**PHYS 465G 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.

**Equivalent(s):** GEOS 565

*Recent Term(s) Offered: None*

**PHYS 475G Topics/Physics 1-3 Hours** (repeatable max of 6 hrs)

Directed study under the supervision of a faculty member.

*Recent Term(s) Offered: None*

**PHYS 480G Quantum Mechanics 3 Hours**

Fundamental principles of quantum mechanics including the hydrogen and helium atoms, the harmonic oscillator, and the Schrodinger wave equation.

**Prerequisite(s):** PHYS 320 and PHYS 350 and PHYS 450

*Recent Term(s) Offered: None*

**PHYS 505 Investigations/Physics 3 Hours**

Topics of individual interest relating to the teaching of physics.

*Recent Term(s) Offered: None*

**PHYS 510 Methods in Math Physics 3 Hours**

No course description is available

*Recent Term(s) Offered: None*

**PHYS 511 Quantitative Modeling for Physics Instruction I: Mechanics 3 Hours**

An in-depth study of topics in physics typically taught at the high school level. Emphasizes both the content of physics as well as the process of effectively communicating the content to secondary students. Topics include kinematics, Newton's laws of motion, energy, momentum and other topics in mechanics. Note: One year of math-based physics at the college level required.

*Recent Term(s) Offered: None*

**PHYS 512 Quantitative Modeling for Physics Instruction II: Electromagnetism 3 Hours**

An in-depth study of topics in physics typically taught at the high school level. Emphasizes both the content of physics as well as the process of effectively communicating the content to secondary students. Topics include electric and magnetic fields, and circuits. Note: One year of math-based physics at the college level required.

*Recent Term(s) Offered: None*

**PHYS 518 Classroom Applications of Physics and Science Education Research 3 Hours** (repeatable max of 6 hrs)

Help instructors to make practical connections between discipline-based science education research in physics and other areas with their own classroom teach. Students will read original research, document examples in classroom, and evaluate and modify curricular materials. Note: Must be instructor in a physical science course as verified by a letter from the school principal or equivalent.

**Prerequisite(s):** PHYS 511 or PHYS 512

*Recent Term(s) Offered: None*

**PHYS 519 Physical Science Education Research Methods 3 Hours**

Equips physics and physical science instructors to design and carry out practical educational research projects with the goal of improving instruction. Covers research methodologies in physics and other discipline-based science education research (DBSER), designing and carrying out research projects with the goal of informing classroom instruction.

**Prerequisite(s):** PHYS 518

*Recent Term(s) Offered: None*

**PHYS 530 Statistical Physics 3 Hours**

No course description is available

*Recent Term(s) Offered: None*

**PHYS 540 Electromagnetic Theory 3 Hours**

No course description is available

*Recent Term(s) Offered: spring 2024*

**PHYS 550 Classical Mechanics 3 Hours**

No course description is available

*Recent Term(s) Offered: None*

**PHYS 560 Introduction to Physics Applications in Homeland Security 3 Hours**

A preparatory course in Homeland Security Science for students with limited physics background. An overview of physics applicable to Homeland Security Sciences. Topics include atomic and nuclear physics, optics and analytical techniques.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**PHYS 565 Optical Detection Methods of Biological and Chemical Agents 3 Hours**

Explore the application of optical detection technologies to detect and characterize chemical and biological agents. Optical methods such as laser induced breakdown spectroscopy (LIBS), light detection and ranging (LIDAR), coherent anti-stokes Raman spectroscopy, photoacoustic, and photothermal imaging. Apply theoretical principles to real-world examples.

**Prerequisite(s):** PHYS 560 or permission of instructor

*Recent Term(s) Offered: fall 2023*

**PHYS 570 Nuclear / Radiological Detection and Remediation 3 Hours**

An advanced study of the fundamental principles of nuclear physics and their applications for detection and remediation of nuclear and radiological threats.

**Prerequisite(s):** PHYS 560

**Corequisite(s):** PHYS 571

*Recent Term(s) Offered: None*

**PHYS 571 Nuclear / Radiological Detection and Remediation Laboratory 1 Hour**

Students perform laboratory experiments in applications of nuclear physics for detection and remediation of nuclear and radiological threats. Students will gain experience in computerized data acquisition and data analysis using modern techniques and equipment.

**Prerequisite(s):** PHYS 560

**Corequisite(s):** PHYS 570

*Recent Term(s) Offered: None*

**PHYS 580 Quantum Theory 3 Hours**

No course description is available

*Recent Term(s) Offered: None*

**PHYS 590 Physical Principles of CBE Detection and Remediation 3 Hours**

The course explores physical principles behind chemical agent, biological agent and explosives detection and remediation, and examines current detection techniques and systems deployed.

**Prerequisite(s):** PHYS 570 or equivalent

**Corequisite(s):** PHYS 591

*Recent Term(s) Offered: spring 2022; spring 2024*

**PHYS 591 Physics CBE Detection and Remediation Laboratory 1 Hour**

Explores physical principles behind chemical agent, biological agent and explosives detection and remediation. Examines current detection techniques and systems deployed.

**Prerequisite(s):** PHYS 570 or equivalent

**Corequisite(s):** PHYS 590

*Recent Term(s) Offered: spring 2022; spring 2024*

**PHYS 598 Graduate Seminar 0.5 Hours** (repeatable max of 2 hrs)

No course description is available

*Recent Term(s) Offered: spring 2022; spring 2024; fall 2024*

**PHYS 599 Thesis Research / Writing 1-6 Hours** (repeatable max of 6 hrs)

Thesis research/writing.

**Prerequisite(s):** PHYS 570 or CHEM 572 or BIOL 552

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024; fall 2024*

**PHYS 600 Maintain Matriculation 1-6 Hours** (repeatable max of 6 hrs)

Continued enrollment for thesis completion.

*Recent Term(s) Offered: summer 2022; fall 2022; spring 2023; fall 2023*

**PHYS 675 Advanced Topics in Physics 1-3 Hours**

No course description is available

*Recent Term(s) Offered: fall 2023*

## Political Science (PS)

**PS 500 Workshops in Public Administration 1.5 Hour (repeatable max of 6 hrs)**

Emphasizes important and changing topics relevant to people working in the public, not-for-profit and private sectors. The course will make use of practitioners in a variety of settings (local, state, federal) to bring important information to students who can apply what they have learned in their own job settings. Course topics will vary by semester and will include grant writing, strategic planning, lobbying, and others.

*Recent Term(s) Offered: spring 2022*

**PS 501 Research Methods in Public Administration 3 Hours**

(repeatable max of 6 hrs)

Analysis and description of the logic and procedures necessary for valid political inquiry.

*Recent Term(s) Offered: fall 2023*

**PS 510 Problems in National Government 3 Hours**

Research, reports, and discussion of selected aspects of national government.

*Recent Term(s) Offered: None*

**PS 511 Seminar in State and Local US Government 3 Hours**

Selected problems of state governments and their sub-units.

*Recent Term(s) Offered: fall 2023*

**PS 512 Kentucky Government and Politics 3 Hours**

This 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.

*Recent Term(s) Offered: spring 2022*

**PS 520 Elements of Public Administration 3 Hours**

Introductory survey of governmental administration; emphasizes relationships between political issues and the practice of administration in all areas of the public sector.

*Recent Term(s) Offered: winter 2022; winter 2023; winter 2024*

**PS 524 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.

*Recent Term(s) Offered: None*

**PS 526 Local Government Administration 3 Hours**

Provides a foundation and understanding of local government administration for students and future practitioners in public administration.

*Recent Term(s) Offered: spring 2023; spring 2024*

**PS 528 Civic Engagement and E-Governance 3 Hours**

Provides a foundation and understanding of civic engagement and e-governance for students and future practitioners in public administration.

*Recent Term(s) Offered: None*

**PS 530 Public Sector Organizations 3 Hours**

Analysis of behavior and problems of public organizations in democratic environments. Links societal values to administrative structure and behavior.

*Recent Term(s) Offered: fall 2022; fall 2024*

**PS 538 Public Service Ethics 3 Hours**

Examines the ethical side of public decision making and the values or ends the American political system is designed to promote and protect.

*Recent Term(s) Offered: fall 2022; fall 2024*

**PS 541 Human Resources Management in Public Administration 3 Hours**

A systematic survey of public personnel administration in the U.S. Discusses the development of modern personnel systems in the public sector and emphasizes contemporary trends at the state and local level as well as the national level of government.

*Recent Term(s) Offered: spring 2022; spring 2024*

**PS 542 Public & Nonprofit Budgeting 3 Hours**

A study of the financial administration process of government with emphasis on local government. Subjects covered range from budgeting to risk management.

*Recent Term(s) Offered: spring 2023*

**PS 543 Politics/Administration/Rural Communities 3 Hours**

A study of political and administrative institutions, processes, and issues associated with local governments in rural communities.

*Recent Term(s) Offered: None*

**PS 549 Special Problems in Public Administration 3 Hours**

Seminar approach to contemporary problems in public organizations reflecting political/managerial developments; topics reflect both student and professional needs.

*Recent Term(s) Offered: spring 2023*

**PS 550 Cultural Competencies for Public Administrators 3 Hours**

Provides a specific set of skills so that practitioners in public administration can communicate and interact productively with a diverse and changing workforce and citizenry; course will focus specifically on developing an understanding of different cultures and provide needed skills to administer policy and deliver services for the communities practitioners serve.

*Recent Term(s) Offered: fall 2023*

**PS 554 Cross-Sector Collaboration & Conflict 3 Hours**

Course explores the importance of intersectoral relationships (between the public, nonprofit, and for-profit sectors) to good public governance.

*Recent Term(s) Offered: summer 2022; summer 2023; fall 2024*

**PS 560 Public Policy Theory 3 Hours**

Theoretical approaches to the analysis of public policy, policy-making, and policy implementation and to such topics as health and welfare, poverty, education, and urban affairs.

*Recent Term(s) Offered: fall 2023*

**PS 562 Public Policy Implementation & Evaluation 3 Hours**

Seminar examining the various approaches and techniques for evaluating public programs.

*Recent Term(s) Offered: spring 2022; spring 2024*

**PS 564 Nonprofits & Public Policy 3 Hours**

Exploration of the connections between nonprofit organizations and public policy; course examines ways nonprofits make policy, are affected by policy, influence policy, and are subject to policy.

*Recent Term(s) Offered: fall 2022*

**PS 566 Environmental Politics & Public Policy 3 Hours**

Course explores the politics surrounding the creation, implementation, and evaluation of environmental policy.

*Recent Term(s) Offered: None*

**PS 580 Independent Directed Study 3 Hours** (repeatable max of 6 hrs)

Faculty guidance of student research in one or more selected fields of political science.

*Recent Term(s) Offered: None*

**PS 590 Capstone in Public Administration 3 Hours**

This course serves as the culminating event for the Master of Public Administration degree. Incorporating the comprehensive exam, creation of an e-portfolio, and completion of an applied research/internship project, the capstone experience gives students the opportunity to relate the many different elements of the MPA program to one another and to reinforce the practical applications of the different concepts and perspectives learned.

**Prerequisite(s):** (PS 501 (may be taken concurrently) with a minimum grade of D and PS 530 (may be taken concurrently) with a minimum grade of D and PS 538 (may be taken concurrently) with a minimum grade of D and PS 541 (may be taken concurrently) with a minimum grade of D and PS 542 (may be taken concurrently) with a minimum grade of D) and (PS 560 (may be taken concurrently) with a minimum grade of D or PS 562 (may be taken concurrently) with a minimum grade of D)

**Restriction(s):** Enrollment is limited to students in Public Administration (051)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**PS 595 Washington Internship and Seminar 3 Hours**

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..

*Recent Term(s) Offered: None*

**PS 597 Professional Seminar in Public Administration 3 Hours**

Principles and techniques in the practice of public administration. Case studies and contact with field professionals will be emphasized.

*Recent Term(s) Offered: None*

**PS 598 Internship in Public Administration 3 Hours**

Work experience in a public sector or non-profit agency combined with faculty direction.

*Recent Term(s) Offered: None*

## Psychological Sciences (PSYS)

**PSYS 423G 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.

*Recent Term(s) Offered: summer 2022; winter 2023*

**PSYS 431G Psychology of Language 3 Hours**

Overview of scientific study of human language abilities, with primary emphasis on individual psychological mechanisms. Note: A research methods course required.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**PSYS 440G Abnormal Psychology 3 Hours**

Introduction to abnormal psychology emphasizing forms of abnormal behavior, etiology, developmental factors, interpretations, behavioral manifestations and treatment programs.

**Prerequisite(s):** (PSY 100 or PSYS 100) or permission of instructor

**Equivalent(s):** PSY 440G

*Recent Term(s) Offered: None*

**PSYS 450G 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.

**Prerequisite(s):** PSY 100 or PSYS 100

*Recent Term(s) Offered: None*

**PSYS 453G 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.

*Recent Term(s) Offered: None*

**PSYS 465G Psychopharmacology 3 Hours**

Examination of psychoactive drugs and their effects upon the brain and neural mechanisms responsible for mind and behavior.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: fall 2023; fall 2024*

**PSYS 473G Training in Business and Industry 3 Hours**

Theories, research and methods of training needs analysis, program design, implementation, and evaluation.

**Prerequisite(s):** (PSYS 370 or MGT 311) or permission of instructor

*Recent Term(s) Offered: None*

**PSYS 510 Advanced Research Methods in Psychology 3 Hours**

Examination of methodological concepts and issues in the conduct of psychological research.

**Restriction(s):** Enrollment is limited to students in Psychology (0469)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**PSYS 512 Analysis of Variance 3 Hours**

Examines the theory behind and application of between- and within-subjects designs, mixed designs, and other data analytic techniques with an emphasis on analysis of variance.

**Restriction(s):** Enrollment is limited to students in Psychology (0469)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**PSYS 513 Correlation and Regression Analysis 3 Hours**

Advanced analysis techniques appropriate to psychological research. Emphasizes regression analysis, partial correlation, moderated multiple regression, and analysis of covariance.

**Restriction(s):** Enrollment is limited to students in Psychology (0469)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**PSYS 518 Statistics and Psychometric Theory 3 Hours**

Introduction to psychometric theory. Emphasis on statistical techniques and construction of psychological measurement instruments.

**Restriction(s):** Enrollment is limited to students in Psychology (0469)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**PSYS 520 Individual Differences and Human Diversity 3 Hours**

Research and theory in aspects of human diversity, including intelligence, motivation, personality, achievement, and aptitudes. Both individual and group differences are addressed, and sources of diversity are explored.

*Recent Term(s) Offered: None*

**PSYS 521 Advanced Child Developmental Psychology 3 Hours**

Particular emphasis on a critical review of current research in child development.

*Recent Term(s) Offered: fall 2023*

**PSYS 530 Conditioning and Learning 3 Hours**

Advanced discussion and critical analysis of theoretical approaches to associative learning with particular emphasis on experimental studies of Pavlovian and instrumental conditioning, motivation, and affect.

**Restriction(s):** Enrollment is limited to students in Psychology (0469)

*Recent Term(s) Offered: spring 2022*

**PSYS 533 Advanced Topics in Cognition 3 Hours**

Advanced overview of human cognition. Covers theory and research on the topics of learning, memory, attention, judgment and decision making, and problem-solving.

**Restriction(s):** Enrollment is limited to students in Psychology (0469)

*Recent Term(s) Offered: fall 2023*

**PSYS 552 Advanced Social Psychology 3 Hours**

Behavior of the individual in relation to social contexts. Topics include group dynamics, attitude formation and change, social influence processes, socialization, and language use in communication.

**Restriction(s):** Enrollment is limited to students in Psychology (0469) or Psychology (092)

*Recent Term(s) Offered: spring 2022; spring 2024*

**PSYS 565 Cognitive Neuroscience 3 Hours**

Graduate level introduction to the functional role of brain structure and activity in cognition and behavior.

*Recent Term(s) Offered: spring 2023*

**PSYS 567 Advanced Physiological Psychology 3 Hours**

Anatomy of the nervous system, relationships among the components of the nervous system and psychological functioning.

**Restriction(s):** Enrollment is limited to students in Psychology (0469) or Psychology (092)

*Recent Term(s) Offered: fall 2022; fall 2024*

**PSYS 570 Job Analysis and Compensation 3 Hours**

Overview of the I/O discipline with an emphasis on job analysis and compensation.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**PSYS 571 Personnel Psychology 3 Hours**

Employee selection procedures, with emphasis on criterion and validity issues. Direct involvement in data collection and analysis.

**Prerequisite(s):** PSYS 570

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**PSYS 572 Organizational Psychology 3 Hours**

Selected topics relevant to work organizations. Emphasizes current theories and research practices.

**Prerequisite(s):** PSYS 570

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**PSYS 579 Internship in Industrial-Organizational Psychology 1-3 Hours** (repeatable max of 6 hrs)

Internship experience for IO psychology graduate students. Student is required to locate appropriate internship site; site must be approved by faculty prior to registration.

**Prerequisite(s):** PSYS 570 and PSYS 571 and PSYS 572

*Recent Term(s) Offered: summer 2022; fall 2022; summer 2023; summer 2024*

**PSYS 581 Professional and Ethical Issues in Psychological Sciences 3 Hours**

Professional and ethical issues for basic and applied psychological sciences.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**PSYS 590 Readings of Research Psychology 1-3 Hours** (repeatable max of 9 hrs)

Individual readings or research.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**PSYS 595 Practicum in Psychological Sciences 1-3 Hours** (repeatable max of 4 hrs)

Supervised practical experience in a research setting.

**Restriction(s):** Enrollment is limited to students in Psychology (0469)

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**PSYS 599 Thesis Research/Writing 1-6 Hours** (repeatable max of 6 hrs)

Research hours dedicated to the completion of psychology graduate program thesis.

**Restriction(s):** Enrollment is limited to students in Psychology (0469)

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**PSYS 600 Maintaining Matriculation 1 Hour** (repeatable max of 6 hrs)

Maintaining matriculation.

**Restriction(s):** Enrollment is limited to students in Psychology (0469)

*Recent Term(s) Offered: spring 2022; summer 2022; summer 2023; summer 2024*

**PSYS 640 Psychopathology 3 Hours**

Major forms of child and adult psychopathology with emphasis upon recent research, classification systems, the modification of deviant behavior and developmental patterns of learning and motivation variables.

*Recent Term(s) Offered: fall 2022; fall 2024*

**PSYS 641 Theories of Psychotherapy 3 Hours**

Selected theories and techniques of psychotherapy and counseling. Also covers group therapy, clinical topics, and professional and ethical issues.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022; spring 2024*

**PSYS 670 Equal Employment Opportunity, the Law, and Ethical Considerations 3 Hours**

Issues relevant to providing equal employment opportunity: EEOC and FEA guidelines regarding selection practices; review of major court decisions and their implications for the conduct of selection; professional and ethical considerations in the practice of I/O psychology.

**Prerequisite(s):** PSYS 570

*Recent Term(s) Offered: spring 2023; spring 2024*

**PSYS 673 Advanced Training in Business and Industry 3 Hours**

Theories, research and methods of training needs analysis, program design, implementation, and evaluation.

**Prerequisite(s):** PSYS 571 or permission of instructor

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

## Psychology (PSY)

**PSY 412G 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.

**Prerequisite(s):** PSY 100 or PSYS 100

*Recent Term(s) Offered: None*

**PSY 421G 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.

**Prerequisite(s):** PSY 100 or PSYS 100

*Recent Term(s) Offered: None*

**PSY 422G Adolescent Psychology 3 Hours**

Introduction to behavior and development from early adolescence to adulthood, emphasizing a critical review of research and literature.

**Prerequisite(s):** PSY 100 or PSYS 100

*Recent Term(s) Offered: None*

**PSY 432G 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.

*Recent Term(s) Offered: fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**PSY 435G 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.

**Prerequisite(s):** (PSY 100 or PSYS 100) or equivalent

*Recent Term(s) Offered: None*

**PSY 436G Applied Cognitive Psychology 3 Hours**

Focus on the application of empirical cognitive findings to real-world memory tasks, reasoning, and problem solving. Topics covered include attentional processes applied to distracted driving, memory formation and retrieval as they relate to eyewitness testimony and recovered memories, and strategies for compensating for our limited short-term memory capacity.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**PSY 440G Abnormal Psychology 3 Hours**

Introduction to abnormal psychology emphasizing forms of abnormal behavior, etiology, developmental factors, interpretations, behavioral manifestations and treatment programs.

**Prerequisite(s):** (PSY 100 or PSYS 100) or permission of instructor

**Equivalent(s):** PSYS 440G

*Recent Term(s) Offered: None*

**PSY 441G 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.

*Recent Term(s) Offered: None*

**PSY 442G Beginning Skills in Psychological Interviewing 3 Hours**

Paraprofessional skills for conducting structured and unstructured interviews in non-therapy settings. Emphasizes skills development but also covers some theoretical material.

**Prerequisite(s):** (PSY 100 or PSYS 100) and permission of instructor

*Recent Term(s) Offered: None*

**PSY 443G Behavior Modification 3 Hours**

Introduction to theory and application of behavior modification techniques. Emphasizes the use of behavior modification in education, child rearing, clinics and self modification. Course activities or assignments may require the individual to disclose personal information.

**Prerequisite(s):** (PSY 100 or PSYS 100) and permission of instructor

*Recent Term(s) Offered: None*

**PSY 470G Psychology and Law 3 Hours**

Psychological knowledge that is pertinent to the legal system. Emphasis on how human characteristics and psychological factors influence attitudes, decisions, and behavior throughout the legal process. Field trips to off-campus locations will be required. Note: Students are responsible for arranging their own transportation.

**Prerequisite(s):** (PSY 100 or PSYS 100) or equivalent

*Recent Term(s) Offered: None*

**PSY 499G 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.

*Recent Term(s) Offered: None*

**PSY 505 Statistical Software for Behavioral Scientists 3 Hours**

Develops proficiency in use of statistical software for mainframe and personal computers. Emphasis on SPSS. Data base management for the PC also addressed. Note: Three hours of undergraduate statistics required.

*Recent Term(s) Offered: None*

**PSY 509 Foundations of School Psychology 3 Hours**

An introduction to the history of school psychology, the role and function of the school psychologist, models of practice, and professional standards. Current trends and future directions will be explored.

**Restriction(s):** Enrollment is limited to students in School Psychology (147)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**PSY 510 Advanced Educational Psychology 3 Hours**

Application of psychological and developmental theories to teaching and learning. Examination of cognitive, social, and moral development, learner diversity, learning theories, motivation, effective classroom management, productive instructional practices, and assessment.

*Recent Term(s) Offered: spring 2022; summer 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**PSY 511 Psychology of Learning 3 Hours**

Theories of learning including conditioning, social learning, reinforcement, problem solving, motivation, and structure of the learning situation.

*Recent Term(s) Offered: summer 2022; fall 2022; fall 2023; fall 2024*

**PSY 514 Program Evaluation and Research Methods 3 Hours**

Methods and purposes of educational program evaluation. Topics include research methods and designs relevant to program evaluation for school psychologists.

*Recent Term(s) Offered: fall 2022*

**PSY 519 Psychological Perspectives on Classroom Behavior 3 Hours**

Strategies and techniques designed for coping with problem behaviors in the classroom. Covers both preventative and problem encounter measures.

*Recent Term(s) Offered: fall 2023*

**PSY 520 Individual Differences and Human Diversity 3 Hours**

Research and theory in aspects of human diversity, including intelligence, motivation, personality, achievement, and aptitudes. Both individual and group differences are addressed, and sources of diversity are explored. The course is specifically designed for individuals who are planning or currently pursuing a career as a clinician or counselor.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**PSY 540 Behavior Problems of Childhood and Adolescence 3 Hours**

The major forms of psychopathology in children and adolescents, with emphasis upon recent research, classification systems and developmental patterns. Also covers clinical and school treatment of behavior problems encountered in the school setting.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024; fall 2024*

**PSY 541 Professional Issues and Ethics in Psychology 3 Hours**

Ethics codes, professional behaviors, and legal issues in applied psychology

*Recent Term(s) Offered: winter 2022; spring 2022; summer 2022; winter 2023; winter 2024*

**PSY 545 Clinical Child Psychology: Theory and Practice 3 Hours**

For psychology or mental health profession students desiring to work with mental health problems in children and adolescents.

**Prerequisite(s):** PSY 540 or PSY 640 or permission of instructor

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**PSY 560 Assessment of Individual Intellectual Functioning: Theories and Issues 3 Hours**

Review of the theory and development of individually administered cognitive assessments used as basic tools in education and clinical diagnosis. Includes examination of issues in their use and interpretation.

**Prerequisite(s):** permission of instructor

**Corequisite(s):** PSY 562

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**PSY 561 Advanced Assessment in Educational Settings 3 Hours**

Interpretation and integration of assessment information for use in educational settings. Includes tests, behavior ratings scales, ecological analysis, systematic observations, and functional behavioral assessment.

**Prerequisite(s):** PSY 560 and permission of instructor

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**PSY 562 Practicum in Psychological Assessment 1-3 Hours**

(repeatable max of 6 hrs)

Supervised experience in the administration and interpretation of instruments and practices used in the assessment of intellectual abilities and learning problems in educational or clinical settings. Field experiences in appropriate off-campus settings may be required. Students are responsible for arranging their own transportation to designated or assigned sites.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**PSY 590 Readings of Research Psychology 1-3 Hours** (repeatable max of 9 hrs)

Individual readings or research.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2024*

**PSY 591 Internship in College Teaching 3 Hours**

Problems and methods of teaching at the college level. Students enrolled in this course will concurrently teach a course in introductory or general psychology.

*Recent Term(s) Offered: None*

**PSY 592 Psychology Internship 3 Hours** (repeatable max of 6 hrs)

Applied supervised experiences for clinical and school psychologists. Students must meet minimum hour requirements as specified by the programs. Students are responsible for their own transportation to internship sites.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**PSY 599 Thesis Research 1-6 Hours** (repeatable max of 6 hrs)

Thesis research and writing directed by faculty committee.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**PSY 600 Maintain Matriculation 1-6 Hours** (repeatable max of 6 hrs)

Continued enrollment for thesis completion.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**PSY 617 Reading and Understanding Statistics in Psychology 3 Hours**

Examination of critical consumer statistics reported in psychology journals. Coverage ranges from basic descriptive statistics to advanced inferential statistics. The focus of the course is on reading, interpreting, and critiquing results sections of journals.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*



**PSY 625 Seminar in School Psychology 3 Hours** (repeatable max of 6 hrs)

Readings and discussion on current issues in the field of school psychology.

**Restriction(s):** Enrollment is limited to students in School Psychology (147)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**PSY 637 Theories of Addiction 3 Hours**

This course involves introduction to theoretical, philosophical and historical premises of addictions. Topics include professional ethics, diversity, family roles and relationships, and dual diagnosis. Note: Admission to or completion of approved graduate program in a helping profession required.

**Equivalent(s):** SWRK 637, CNS 637

*Recent Term(s) Offered: None*

**PSY 640 Psychopathology 3 Hours**

Major forms of child and adult psychopathology with emphasis upon recent research, classification systems, the modification of deviant behavior and developmental patterns of learning and motivation variables.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**PSY 641 Theories of Psychotherapy 3 Hours**

Selected theories and techniques of psychotherapy and counseling. Also covers group therapy, clinical topics, and professional and ethical issues.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**PSY 642 Clinical Interviewing and Psychotherapy 3 Hours**

Continuation of PSY 641 with emphasis on group, family, and marital psychotherapy.

**Prerequisite(s):** PSY 641 and permission of instructor

*Recent Term(s) Offered: fall 2022; fall 2023*

**PSY 643 Academic Assessment and Intervention 3 Hours**

Diagnostic instruments and procedures for assessing educationally-related disabilities. Emphasis on current laws and regulations regarding special education, academic interventions, and Individualized Education Programs. Field experiences in appropriate off-campus settings may be required. Note: Students are responsible for arranging their own transportation to designated or assigned sites.

**Prerequisite(s):** PSY 560 and permission of instructor

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**PSY 645 Consultation in Educational and Mental Health Settings: Theory and Practice 3 Hours**

Designed to provide theory and practice to mental health professionals. Theories and methods of mental health consultation in depth. Field experiences in appropriate off-campus settings may be required. Note: Students are responsible for arranging their own transportation to designated or assigned sites.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**PSY 646 Social Psychology for Applied Practice 3 Hours**

Examines the impact of situations, relationships, and attributions on behavioral health and disorder development, diagnosis, and treatment. Explores the application of social psychological theories to the practice of clinical and school psychology.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; spring 2024*

**PSY 647 Addictions: Assessment, Diagnosis and Treatment Planning 3 Hours**

This course involves the selection, administration, and interpretation of assessment methods and techniques used to diagnose addiction disorders, as well as the development of appropriate treatment plans and issues involved in individual, group and family treatment planning.

**Equivalent(s):** SWRK 647, CNS 647

*Recent Term(s) Offered: None*

**PSY 651 Clinical Neuropsychology for Applied Psychologist 3 Hours**

Basic neural anatomy and functioning and biological systems will be presented along with the effect those systems have on behavior. Effective applied interventions for people who have neurological problems will be covered.

**Restriction(s):** Enrollment is limited to students in Applied Psychology (0476), Psychology (092) or School Psychology (147)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**PSY 660 Assessment of Personality and Socio-Emotional Functioning 3 Hours**

Personality diagnosis using objective and projective techniques with emphasis on current research interpretation, and communication of assessment information.

**Prerequisite(s):** PSY 560 and permission of instructor

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**PSY 662 Practicum in Psychology 1-3 Hours** (repeatable max of 6 hrs)

Supervised practice in schools, clinics, specialized training centers, hospitals, industry, and research settings. Field experiences in appropriate off-campus settings may be required. Students are responsible for arranging their own transportation to designated or assigned sites.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**PSY 667 Counseling Substance and Process Addictions 3 Hours**

Counseling issues to substance abuse diagnosis, treatment and aftercare programs involving individual, group, family and other systems.

**Equivalent(s):** SWRK 667, CNS 667

*Recent Term(s) Offered: None*

**PSY 699 Specialist Project 1-6 Hours** (repeatable max of 6 hrs)

Specialist project research and writing directed by faculty committee.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**PSY 700 Maintain Matriculation 1-6 Hours** (repeatable max of 6 hrs)

Continued enrollment for specialist project completion.

*Recent Term(s) Offered: None*

**PSY 701 History and Systems of Applied Psychology 3 Hours**

Survey of the history of clinical and school psychology with an emphasis on the theories and systems that drove the creation of these professions. Current trends in current clinical and school psychology and their impact on the fields will be examined.

**Restriction(s):** Enrollment is limited to students in Applied Psychology (0476)

*Recent Term(s) Offered: summer 2022; summer 2024*

**PSY 741 Family Systems in Therapy 3 Hours**

Reviews theories of family systems and the implications for therapy and working with families. Applies family systems assessment and therapy techniques to referral concerns.

**Restriction(s):** Enrollment is limited to students in Applied Psychology (0476)

*Recent Term(s) Offered: spring 2022; spring 2024*

**PSY 751 Clinical Psychopharmacology 3 Hours**

Overview of clinical psychopharmacology, including medication side effects and signs, contemporary prescribing practices, and working with medical professionals. Students will learn theoretical and biological bases of psychotropic medications.

**Restriction(s):** Enrollment is limited to students in Applied Psychology (0476)

*Recent Term(s) Offered: None*

**PSY 766 Assessment of Autism Spectrum Disorder 3 Hours**

Examines methods, instruments, and skills of assessing Autism Spectrum Disorder. Supervised practice with assessment instruments. Note: Students are responsible for their own transportation to assessment sites.

**Restriction(s):** Enrollment is limited to students in Applied Psychology (0476)

*Recent Term(s) Offered: fall 2022; fall 2024*

**PSY 777 Foundations of Supervision 3 Hours**

Examination of theories, ethics and issues in clinical supervision. Field experiences in appropriate off-campus settings may be required. Note: Students are responsible for arranging their own transportation to designated or assigned sites.

**Restriction(s):** Enrollment is limited to students in Applied Psychology (0476)

*Recent Term(s) Offered: fall 2023; fall 2024*

**PSY 785 Doctoral Seminar in School Psychology 3 Hours**

Readings and discussion on current issues in the field of psychology relevant to doctoral level school psychologists, such as systems level consultation, supervision, and private practice.

**Restriction(s):** Enrollment is limited to students in Applied Psychology (0476)

*Recent Term(s) Offered: None*

**PSY 791 Advanced Psychology Practice 1,3 Hour (repeatable max of 3 hrs)**

Advanced field experience (200 TO 600 clinical and supervision hours) for doctoral students. Note: Students are responsible for their own transportation to practicum sites.

**Restriction(s):** Enrollment is limited to students in Applied Psychology (0476)

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**PSY 792 Advanced Practicum in School Interventions 1,3 Hour**

Supervised practice (200 to 600 clinical and supervision hours) in development of advanced problem-solving strategies and competencies for intervening with children and adolescents. Note: Students are responsible for their own transportation to practicum sites.

**Restriction(s):** Enrollment is limited to students in Applied Psychology (0476)

*Recent Term(s) Offered: None*

**PSY 799 Dissertation in Psychology 1,3 Hour (repeatable max of 6 hrs)**

Research undertaken to complete requirements for the doctorate in applied psychology.

**Restriction(s):** Enrollment is limited to students in Applied Psychology (0476)

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; spring 2024; fall 2024*

**PSY 801 The Profession of Clinical Psychology 3 Hours**

Survey of the issues and opportunities in the applied practice of psychology. The legal, financial, professional, and ethical issue of applied practice will be addressed.

**Restriction(s):** Enrollment is limited to students in Applied Psychology (0476)

*Recent Term(s) Offered: fall 2023*

**PSY 862 Advanced Psychotherapy Interventions 3 Hours (repeatable max of 6 hrs)**

Practice in evidence-based, contemporary psychotherapy techniques. Students will learn advanced and emerging techniques to complement existing therapeutic skills.

**Restriction(s):** Enrollment is limited to students in Applied Psychology (0476)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**PSY 877 Advanced Clinical Supervision 3 Hours**

Advanced topics in supervision including specialized settings, challenging supervisees, and technology and supervision. Note: Students are responsible for arranging their own transportation to designated or assigned sites.

**Restriction(s):** Enrollment is limited to students in Applied Psychology (0476)

*Recent Term(s) Offered: spring 2022; spring 2024*

**PSY 895 Pre-Doctoral Internship 1-3 Hours (repeatable max of 6 hrs)**

Full-time applied psychology internship following the guidelines for the American Psychological Association. Taken at end of doctoral training coursework.

**Prerequisite(s):** permission of instructor

**Restriction(s):** Enrollment is limited to students in Applied Psychology (0476)

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; fall 2024*

## Public Health (PH)

**PH 443G Health Problems of the Aged 3 Hours**

Covers ecological factors affecting human health and longevity, current health problems, and research on health and disease as they relate to the aged.

*Recent Term(s) Offered: None*

**PH 444G Death Education 3 Hours**

Man's relationship to death and dying, coming to terms with eventual death, coping with death of loved ones and with fear of death. Includes suicide prevention. Note: Field trips are required. Three hours of social or behavioral science required.

*Recent Term(s) Offered: None*

**PH 447G Human Values/Health Sciences 3 Hours**

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. Note: Appropriate background in the social, behavioral, biological, or allied health sciences required.

**Prerequisite(s):** PH 261 and PH 381

*Recent Term(s) Offered: None*

**PH 450G 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 461G Comprehensive School Health Program 3 Hours**

Examination and application of the components of the comprehensive school health program. Discussion of the role of administrators, teachers, counselors and health service personnel in conducting, coordinating and evaluating the comprehensive school health program. Includes visitation in public schools.

**Prerequisite(s):** PH 381

*Recent Term(s) Offered: None*

**PH 465G Health/Safety/Elementary School 3 Hours**

Nature and purpose of school health and safety in the elementary school, including curriculum development, instructional content areas, appraising students' health, and evaluation.

*Recent Term(s) Offered: None*

**PH 467G 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.

**Prerequisite(s):** PH 100 or equivalent

*Recent Term(s) Offered: None*

**PH 468G Sexuality Education 3 Hours**

Emphasis in this course is on planning, implementation and evaluation of school and community sexuality education programs. Health and policy issues which affect sexuality and sexual behavior are addressed along with analysis of contemporary health issues with sexual dimensions.

*Recent Term(s) Offered: fall 2022*

**PH 501 Research Methods 3 Hours**

Methods, materials, techniques, and planning of research studies used and conducted by the profession.

*Recent Term(s) Offered: None*

**PH 520 Biostatistics for Public Health 3 Hours**

Application of statistical theory and principles in public health and related disciplines. Emphasis is placed on developing and testing hypotheses, utilizing appropriate statistical methodology, and the use of appropriate technology.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**PH 530 Selected Topics/Independent Study 1-6 Hours** (repeatable max of 6 hrs)

With faculty guidance, students select and explore a topic of interest in public health.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022; fall 2022; winter 2023; spring 2023; summer 2023; fall 2023; winter 2024; spring 2024; fall 2024*

**PH 546 Graduate Internship 1-6 Hours** (repeatable max of 6 hrs)

Supervised, applied field experience with various agencies, organizations, facilities, industries, and businesses with health-related missions or programs. Placement must be approved prior to registering. Off campus travel required.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022*

**PH 548 Community Organizing in Public Health 3 Hours**

Application of strategies and skills to address underlying social, political, and economic factors that affect public health, including policy-making, community organization and mobilization, leadership, advocacy, negotiation, and communication.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; summer 2023; fall 2023; summer 2024; fall 2024*

**PH 564 Public Health Issues in Women's Health 3 Hours**

Examines social, economic, environmental, behavioral and political factors that influence women's health, as viewed from a public health perspective.

*Recent Term(s) Offered: winter 2022; summer 2022; summer 2023; winter 2024*

**PH 567 Admn Compr School Health Program 3 Hours**

Management and coordination of policies, procedures, activities and resources designed to promote and protect the health and well being of students and staff. Includes administration of family resource and youth service centers, and coordination of school health education, healthful environment, and health services.

*Recent Term(s) Offered: None*

**PH 568 Public Health Approaches to STD/HIV Prevention 3 Hours**

A study of the most common sexually transmitted infections, including infection with the human immunodeficiency virus, and their complications, with special emphasis on prevention and control. Topics include STI/HIV counseling and testing, partner notification, and the development of educational interventions for target populations.

*Recent Term(s) Offered: None*

**PH 572 Practice of Drug Abuse Prevention 3 Hours**

Examines the epidemiology of the use and abuse of alcohol, tobacco, and other drugs. In addition, there will be in-depth study of relevant prevention science as applied to school and community settings. The course will be a didactic presentation of material, with substantial engagement activities for students.

*Recent Term(s) Offered: None*

**PH 575 Program Planning in Public Health Practice 3 Hours**

Methods of assessing population needs, assets and capacities that affect communities' health and translating findings into designing a population-based program, project, or intervention.

**Prerequisite(s):** PH 587

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**PH 576 Public Health Education and Communication Techniques 3 Hours**

Provide concepts and skills in using education and communication techniques in public health promotion programs. Discuss policy advocacy and principles of effectively interacting with community constituents influential in health promotion programs.

*Recent Term(s) Offered: None*

**PH 578 Health Inequities 3 Hours**

Analysis of social, economic, and political structures that create health inequities in marginalized and minority populations. Application to program planning and policy analysis.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; spring 2024; fall 2024*

**PH 580 Public Health Foundations and Practice 3 Hours**

Comprehensive examination of public health foundations, including philosophy, purpose, history, organization, and functions and activities of public health at the global, national, state and community levels.

Application of systems thinking to public health practice.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**PH 581 Applied Methods in Public Health Practice/Field Epidemiology 3 Hours**

Application of methods, tools, and techniques utilized by public health practitioners and other related professionals to identify, develop, and assess population-based interventions and outbreak investigations.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; fall 2024*

**PH 582 Epidemiology 3 Hours**

Apply epidemiological methods to settings and situations in public health practice. Emphasizes problem solving and interpretation.

*Recent Term(s) Offered: winter 2022; spring 2022; summer 2022; fall 2022; winter 2023; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**PH 583 Public Health Administration 3 Hours**

Advanced concepts of organization, administration and management of public health agencies and programs.

*Recent Term(s) Offered: summer 2022; summer 2023; summer 2024*

**PH 584 Principles of Environmental Health 3 Hours**

A study of the traditional, emerging and controversial issues associated with environmental health. Biological, chemical and physical threats to human health are included.

*Recent Term(s) Offered: summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**PH 585 Global Health 3 Hours**

Analysis of current issues in global health and strategies to address them.

*Recent Term(s) Offered: spring 2023*

**PH 586 Violence Prevention 3 Hours**

An examination of the nature and extent of family, school and community violence, the psychosocial and biological roots, past efforts to prevent and control violence, and principals of violence prevention.

*Recent Term(s) Offered: None*

**PH 587 Health Behavior Theory 3 Hours**

Applications of concepts and theories used in social and behavioral sciences to identify and conceptualize interventions to public health problems.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; fall 2024*

**PH 588 Public Health Capstone 3 Hours**

Integrative learning experience that synthesizes core MPH courses into an applied practice experience, within the classroom, addressing a current issue in public health.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022; summer 2022*

**PH 591 Health Program Evaluation 3 Hours**

Application of methods and techniques to evaluate public health programs.

**Prerequisite(s):** PH 587 and (PH 520 or PH 620) or permission of instructor

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**PH 598 Applied Research in Public Health 1-3 Hours (repeatable max of 6 hrs)**

Synthesis and application of MPH competencies to investigate and address public health issue.

**Prerequisite(s):** permission of instructor

**Restriction(s):** Enrollment is limited to students in Public Health (152)

*Recent Term(s) Offered: spring 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**PH 599 Thesis Research/Writing 3-6 Hours (repeatable max of 6 hrs)**

Thesis research and writing directed by faculty committee.

*Recent Term(s) Offered: fall 2024*

**PH 600 Maintain Matriculation 1 Hour (repeatable max of 6 hrs)**

Continued enrollment for program completion.

*Recent Term(s) Offered: fall 2022*

**PH 620 Advanced Biostatistics 3 Hours**

Advanced techniques to analyze and interpret quantitative data and make inferences for public health practice.

**Prerequisite(s):** PH 520 or equivalent

*Recent Term(s) Offered: spring 2022*

**PH 630 Advanced Epidemiology 3 Hours**

Application of advanced epidemiologic principles for population-based decision-making.

**Prerequisite(s):** PH 582

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**PH 631 Contemporary Topics in Epidemiology 3 Hours (repeatable max of 9 hrs)**

Examines and explores contemporary issues and methods in epidemiology.

**Prerequisite(s):** PH 582

*Recent Term(s) Offered: spring 2023; spring 2024*

## Public Relations (PR)

### PR 521 Public Relations in Recreation and Sport 3 Hours

Specialized application of effective communication techniques for building relationships with internal and external constituencies that support marketing from the general practice of public relations.

**Equivalent(s):** RSA 521

*Recent Term(s) Offered: None*

### PR 543 Strategic Public Relations Writing for Sport 3 Hours

Addresses public relations writing and multimedia distribution requirements for reaching a variety of sport audiences in today's digital age.

**Prerequisite(s):** RSA 521

*Recent Term(s) Offered: summer 2022; summer 2023*

### PR 547 Issues in Sport Media Relations 3 Hours

Provides a strategic framework for understanding sport information management and preparation by focusing on the relationship among sport organizations, spokespeople and media.

**Prerequisite(s):** RSA 521

*Recent Term(s) Offered: summer 2022*

## Recreation (REC)

### REC 404G Recreation Facility Management 3 Hours

A practical orientation to management for a variety of recreation facilities.

*Recent Term(s) Offered: None*

### REC 420G Commercial Recreation Tourism 3 Hours

Commercial recreation and tourism, including the establishment, supervision, and operation of areas and facilities.

**Prerequisite(s):** REC 200 and REC 302 and REC 306

*Recent Term(s) Offered: None*

### REC 424G Camp and Conference Center Administration 3 Hours

Organization and administration of camp and conference center programs and facilities including history, trends, staffing, client needs, finance, marketing, and legal issues.

*Recent Term(s) Offered: None*

### REC 426G Facility Planning and Design 3 Hours

Facility planning and design process with emphasis on the unique features on many different areas and types of facilities. Field experiences required. Note: Students are responsible for their own transportation to off campus meetings. University transportation provided when possible.

*Recent Term(s) Offered: None*

### REC 428G Community Centers and Playgrounds 3 Hours

An intensive investigation of playground and community center operations.

*Recent Term(s) Offered: None*

### REC 430G Recreation Resource Management 3 Hours

Multi-use natural resource management concepts, issues in resource management and the synthesis of concept and practical knowledge into real and simulated applications of land use and environmental problems related to the leisure service industry. Field trips required. Note: Students are responsible for their own transportation to off campus meetings.

University transportation provided when possible.

*Recent Term(s) Offered: None*

### REC 434G Environmental Interpretation 3 Hours

Environmental interpretation in leisure and educational settings. Includes interpretive design of exhibits and facilities. Emphasizes the development of presentation and program skills.

*Recent Term(s) Offered: None*

### REC 435G Outdoor Expedition Planning 3 Hours

Principles and techniques for planning, designing, implementing and evaluating extended outdoor expedition programs. Overnight field trips required. Note: Students are responsible for their own transportation to off campus meetings. University transportation provided when possible.

*Recent Term(s) Offered: None*

### REC 437G 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. Field experiences required. Note: Students are responsible for their own transportation to off campus meetings. University transportation provided when possible.

**Prerequisite(s):** REC 435G (may be taken concurrently) or permission of instructor

*Recent Term(s) Offered: None*

### REC 482G Recreation Workshop 1-3 Hours (repeatable max of 9 hrs)

Workshops are designed to study special areas relating to the recreation profession. Workshops may be experiential in nature or may follow a traditional class format. Field experiences and/or study at regional campus locations are usually required. Note: Students are responsible for their own transportation to off-campus meetings. University transportation provided when possible.

*Recent Term(s) Offered: None*

## Recreation and Sport Admin (RSA)

### RSA 501 Research Methods in Recreation and Sport 3 Hours

Research terminology, design, methods, data analysis, and manuscript preparation in recreation and sport.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

### RSA 513 Recreation and Sport Administration 3 Hours

Leadership and management of recreation and sport agencies with emphases on strategic planning, policy, human resources, programming, governance, and organizational behavior and culture.

*Recent Term(s) Offered: spring 2022; fall 2022; fall 2023; fall 2024*

### RSA 515 Recreation and Sport Facility Development 3 Hours

Facility development process with emphasis on the unique features of many different types of facilities. Field experiences required. Students are responsible for their own transportation to off campus meetings. University transportation provided when possible.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

### RSA 517 Legal Issues in Recreation and Sport 3 Hours

Legal systems, legal concepts, and landmark cases influencing the recreation and sport industry.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**RSA 519 Fiscal Practices in Recreation and Sport 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: winter 2022; spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**RSA 521 Public Relations in Recreation and Sport 3 Hours**

Specialized application of effective communication techniques for building relationships with internal and external constituencies that support marketing from the general practice of public relations.

**Equivalent(s):** PR 521

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**RSA 523 Theoretical Foundations of Recreation and Sport 3 Hours**

Philosophy, theory, and ethics of recreation and sport, including current professional trends in the field.

*Recent Term(s) Offered: spring 2022; summer 2022; spring 2023; summer 2023; fall 2023; summer 2024; fall 2024*

**RSA 530 Advanced Studies in Recreation and Sport 3 Hours**

(repeatable max of 6 hrs)

Specific and detailed analysis of issues in recreation and sport incorporating individualized instruction between student and faculty.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**RSA 532 Environmental Education Resources 3 Hours**

Experiential learning with environmental education resources. Emphasis is placed on Kentucky based interpretation of the natural environment. Field experiences required and students are required to provide their own means of transportation to field sites.

*Recent Term(s) Offered: None*

**RSA 534 Facility Management 3 Hours**

This course integrates the various management functions of public assembly facilities. Students focus on advanced management principles, practices and methods.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**RSA 536 Event Management 3 Hours**

This course integrates the various management functions associated with conducting successful events. Students focus on advanced management principles, practices and methods.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**RSA 538 Facility and Event Security Management 3 Hours**

Emphasis on efficient methods of security management in the recreation and sport (facility and event) industry, with a focus on an interagency approach.

*Recent Term(s) Offered: winter 2022; spring 2022; summer 2022; fall 2022; winter 2023; spring 2023; summer 2023; fall 2023; winter 2024; summer 2024; fall 2024*

**RSA 542 Investigation of Current Interscholastic Athletics Issues 3 Hours**

A capstone experience for the concentration in IAA that will involve an in depth investigation of the various issues addressed throughout this program of study. Does not count toward certification of rank change in Kentucky.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**RSA 543 Sports Medicine Administration for Interscholastic Athletics 3 Hours**

An in-depth study of the many issues administrators and coaches face in supporting and developing an interscholastic sports medicine program within a school or school district. Does not count towards certification or rank change in Kentucky.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**RSA 544 Practicum in Interscholastic Sport 3 Hours**

Cooperative field experiences in approved interscholastic sport settings where students obtain professional administrative and/or programming experiences with agency and university supervision.

*Recent Term(s) Offered: None*

**RSA 546 Leadership and Ethics in Sports Health Care 3 Hours**

Provides knowledge and skills related to leadership and ethical behavior and decision making in a variety of athletic training employment settings.

**Restriction(s):** Enrollment is limited to students in Recreation and Sport Admin (095)

*Recent Term(s) Offered: None*

**RSA 554 Student-Athlete Development 3 Hours**

Develop an understanding of the historical and contemporary issues faced by student-athletes at colleges and universities. Content includes support services guidelines in the areas of academics, personal issues, and career preparation/planning.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**RSA 556 Governance in Intercollegiate Athletics 3 Hours**

Provides for a thorough examination of intercollegiate athletics governing bodies (i.e., NCAA, NAIA, NAAC, NJCAA). Emphasis placed upon governing hierarchy, responsibilities of individual institutions, conference affiliations, and membership requirements.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**RSA 558 Compliance in Intercollegiate Athletics 3 Hours**

Provides an in-depth analysis of NCAA rules and regulations relating to intercollegiate athletics. Topics include ethical conduct, employment issues, amateurism, recruiting, eligibility (academic and general requirements), financial aid, awards and benefits, playing and practice schedules, and enforcement.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**RSA 560 Issues in Nonprofit Administration 3 Hours**

Historical, philosophical, and theoretical examination of the nonprofit sector, voluntary action, and philanthropy. Including the comparative perspectives, scope, and significance of the sector. Critical issues related to nonprofit governance, leadership, and board/committee development.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**RSA 565 Nonprofit Grant Writing and Fundraising 3 Hours**

Principles, practices, techniques, and ethics of nonprofit grant writing and fundraising. Philanthropy, relationship building, and comprehensive fund development processes. Special emphasis placed on writing grants and developing fundraising strategies.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**RSA 570 Fiscal Administration in the Nonprofit Sector 3 Hours**

Financial management, accountability, stewardship, planning, and transparency for nonprofit organizations. Financial literacy with emphasis placed on planning and reporting processes requisite for establishing and maintaining federal nonprofit status.

*Recent Term(s) Offered: spring 2022; summer 2022; spring 2023; summer 2023; spring 2024; summer 2024*

**RSA 585 Nonprofit Practicum 3 Hours**

Capstone supervised professional experience in approved nonprofit settings where students obtain professional nonprofit experience with agency and faculty supervision.

*Recent Term(s) Offered: spring 2022; summer 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024*

**RSA 590 Practicum in Recreation and Sport 3 Hours (repeatable max of 6 hrs)**

Cooperative field experiences in approved recreation and sport settings where students obtain professional administrative and/or programming experience with agency and faculty supervision. This course requires off campus travel. Students are responsible for their own transportation to off campus meetings.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**RSA 598 Master's Project in Recreation and Sport 3 Hours**

Directed investigation of a faculty approved topic in recreation and sport culminating with the submission of a paper for publication.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**RSA 599 Thesis Research/Writing 1-6 Hours (repeatable max of 6 hrs)**

The master's thesis is to be directed by a member of the Graduate Faculty of the Department. (Each semester)

*Recent Term(s) Offered: spring 2024*

**RSA 600 Maintain Matriculation 1-6 Hours (repeatable max of 6 hrs)**

Continued enrollment for thesis completion.

*Recent Term(s) Offered: None*

## Religious Studies (RELS)

**RELS 401G Religious Studies Seminar 3 Hours (repeatable max of 12 hrs)**

A seminar with rotating topics designed primarily for advanced students in religious studies.

*Recent Term(s) Offered: None*

**RELS 430G 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.

*Recent Term(s) Offered: None*

**RELS 431G Christianity 1517 to the Present 3 Hours**

An investigation of the development of Christian thought and institutions from the Reformation to the present.

*Recent Term(s) Offered: None*

**RELS 499G Independent Research Religious Studies 3 Hours**

Directed study and research in one area of religious studies.

*Recent Term(s) Offered: None*

**RELS 500 Theory and Method in the Study of Religion 4 Hours**

An introduction to key theoretical and methodological approaches to the comparative study of religion - including sociological, psychological, anthropological, textual and other approaches.

*Recent Term(s) Offered: None*

**RELS 501 Seminar in Religious Studies 3 Hours**

Specific issues in one of the areas of concentration.

*Recent Term(s) Offered: None*

**RELS 510 Seminar in Religious Literature 3 Hours (repeatable max of 12 hrs)**

Selected literature from one or more major religious traditions.

*Recent Term(s) Offered: None*

**RELS 520 Seminar in Religious History 3 Hours (repeatable max of 12 hrs)**

Significant topics, movements, or events in the development of one major religious traditions.

*Recent Term(s) Offered: None*

**RELS 530 Seminar in Religious Thought 3 Hours (repeatable max of 12 hrs)**

Selected topics or thinkers from one or more major religious traditions.

*Recent Term(s) Offered: None*

**RELS 598 Independent Study in Religion 1-3 Hours (repeatable max of 6 hrs)**

Directed study and research in selected topics in religious studies.

*Recent Term(s) Offered: None*

**RELS 599 Thesis Writing 1-3 Hours (repeatable max of 6 hrs)**

Directed research and writing toward the completion of a master's thesis.

*Recent Term(s) Offered: None*

**RELS 600 Maintaining Matriculation 1 Hour (repeatable max of 3 hrs)**

Maintaining Matriculation.

*Recent Term(s) Offered: None*

**RELS 601 Graduate Seminar in Religious Studies 4 Hours (repeatable max of 12 hrs)**

An intensive study of one or more central aspects of religion, focusing on one or more religious traditions. Content areas of the seminar will vary by semester and instructor.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**RELS 602 Thesis and Project Development Seminar 1 Hour**

A forum for graduate students in religious studies to facilitate the development of thesis or project proposals.

*Recent Term(s) Offered: None*

**RELS 603 Thesis and Project Capstone Colloquium 1 Hour**

A forum for graduate students in religious studies to facilitate the completion of thesis or projects. Includes a concluding colloquium for the public presentation of work.

*Recent Term(s) Offered: None*

**RELS 610 Teaching Practicum in Religious Studies 1 Hour** (repeatable max of 4 hrs)

A forum for graduate students to learn about curriculum design and pedagogy for courses in Religious Studies and to discuss their current work. Note: Graduate teaching assistant in religious studies required.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

## Science/Math Education (SMED)

**SMED 501 Designing Instructional Sequences in Secondary Math and Science 3 Hours**

Theory and practice of designing and delivering high quality inquiry-based math & science instruction. Students explore and practice the guided inquiry process, create lesson plans, and implement lessons with secondary students. Note: Admission to GSKyTeach program required.

**Corequisite(s):** SMED 520, SMED 510

*Recent Term(s) Offered: None*

**SMED 510 Advanced Topics in Knowing and Learning in Mathematics and Science 3 Hours**

Exploration of essential questions specifically relevant to teaching mathematics and science. Standards for knowing how they are used, how knowing and learning are structured, and how what is known changes and develops. Note: Admission to GSKyTeach program required.

**Corequisite(s):** SMED 520, SMED 501

*Recent Term(s) Offered: None*

**SMED 520 Management for Positive Learning Environments 3 Hours**

Application of learning theories in instructional settings with diverse student populations. Emphasizes proactive, positive classroom management for teaching and learning. Fieldwork required; students are responsible for arranging their own transportation to sites. Note: Admission to GSKyTeach program required.

**Corequisite(s):** SMED 510, SMED 501

*Recent Term(s) Offered: None*

**SMED 530 Literacy Support for Diverse Learners in Mathematics and Science 3 Hours**

Designing literacy instruction for diverse learners in mathematics and science. Note: Successful completion of at least one graduate SMED course required.

*Recent Term(s) Offered: None*

**SMED 560 Developing Professional Learning Communities for Instructional Improvement 3 Hours**

Students form secondary professional learning communities with Mentor and Master Teachers and analyze student performance data to improve teaching/learning. Note: Admission to GSKyTeach program required.

**Prerequisite(s):** permission of instructor

**Corequisite(s):** SMED 620, SMED 589

*Recent Term(s) Offered: None*

**SMED 589 Science and Mathematics Education Internship Seminar 3 Hours**

Connects theory to practice by helping students complete teaching tasks that demonstrate performance related to Kentucky's New Teacher Standards.

**Corequisite(s):** SMED 590

*Recent Term(s) Offered: None*

**SMED 590 Teaching Internship 8 Hours**

Supervised student teaching experience across fall and spring semesters in assigned off-campus site. Students are responsible for their own transportation to off-campus site. Note: Admission to GSKyTeach program, Teacher Education, and student teaching required.

**Corequisite(s):** SMED 589

*Recent Term(s) Offered: None*

**SMED 620 Collaborative Research to Improve Mathematics and Science Teaching 3 Hours**

Development of skills needed to design and develop a data based action research project to be implemented during the semester. Note: Admission to GSKyTeach program required.

**Prerequisite(s):** permission of instructor

**Corequisite(s):** SMED 560, SMED 589

*Recent Term(s) Offered: None*

**SMED 630 Action Research Seminar 1 Hour**

Students present results of instructional innovation and develop conclusions about practice or process implemented in secondary math or science classroom.

**Prerequisite(s):** SMED 620

*Recent Term(s) Offered: None*

## Secondary Education (SEC)

**SEC 445G Introduction Education 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 media.

**Equivalent(s):** LME 445G

*Recent Term(s) Offered: None*

**SEC 528 Seminar in the Teaching of Secretarial Subjects 3 Hours**

Materials, methods, techniques, and devices for teaching typewriting, shorthand, and the related skilled subjects. Review and application of research findings to this area.

*Recent Term(s) Offered: None*

**SEC 529 Teaching Bookkeeping 3 Hours**

Purposes, materials, methods, and techniques for teaching bookkeeping and basic business. Review and application of research findings to this area.

*Recent Term(s) Offered: None*

**SEC 534 Seminar in Mathematics Education 3 Hours**

This course covers newer concepts in curriculum and methods of instruction, current research and instructional unit development in mathematics education.

**Prerequisite(s):** EDU 520 and EDU 522

**Equivalent(s):** MGE 534

*Recent Term(s) Offered: summer 2022; winter 2023; summer 2023; summer 2024*

**SEC 535 Seminar in Music Education 3 Hours**

This course covers newer concepts in curriculum and methods of instruction, current research and instructional unit development in music education.

**Prerequisite(s):** EDU 520 and EDU 522

*Recent Term(s) Offered: None*



**SEC 537 Seminar in Science Education 3 Hours**

This course covers newer concepts in curriculum and methods of instruction, current research and instructional unit development in science education.

**Prerequisite(s):** EDU 520 and EDU 522

*Recent Term(s) Offered:* summer 2022; winter 2023; summer 2023; summer 2024

**SEC 538 Seminar in Social Studies Education 3 Hours**

This course covers newer concepts in curriculum and methods of instruction, current research and instructional unit development in social studies education.

**Prerequisite(s):** EDU 520 and EDU 522

*Recent Term(s) Offered:* winter 2022; summer 2022; winter 2023; summer 2023; summer 2024

**SEC 539 Seminar in Agriculture Education 3 Hours**

This course covers newer concepts in curriculum and methods of instruction, current research and instructional unit development in agriculture education.

**Prerequisite(s):** EDU 520 and EDU 522

*Recent Term(s) Offered:* fall 2024

**SEC 545 Investigations in Classroom Teaching 3 Hours**

This course covers newer concepts in curriculum and methods of instruction, current research and instructional unit development in middle grades or secondary classrooms.

**Prerequisite(s):** EDU 520 and EDU 522

*Recent Term(s) Offered:* summer 2022; winter 2023; summer 2023; summer 2024

**SEC 546 Seminar in English Language Arts Methods 3 Hours**

This course covers newer concepts in curriculum and methods of instruction, current research and instructional unit development in language arts education.

**Prerequisite(s):** EDU 520 and EDU 522

*Recent Term(s) Offered:* winter 2022; summer 2022; winter 2023; summer 2023; summer 2024

**SEC 570 Workshop - Secondary Education 1-3 Hours (repeatable max of 6 hrs)**

No course description is available

*Recent Term(s) Offered:* None

**SEC 573 Methods of Teaching Business and Marketing Education 3 Hours**

This course covers newer concepts in curriculum and methods of instruction, current research and instructional unit development in business and marketing education.

**Prerequisite(s):** EDU 520 and EDU 522

**Restriction(s):** Enrollment is limited to students in Teacher Educ: Initial Cert (0495)

*Recent Term(s) Offered:* None

**SEC 580 Curriculum 3 Hours**

Philosophy, principles and practices of curriculum improvement.

*Recent Term(s) Offered:* spring 2022

**SEC 600 Maintain Matriculation 1-6 Hours (repeatable max of 6 hrs)**

Continued enrollment for thesis completion.

*Recent Term(s) Offered:* None

**SEC 699 Specialist Project 1-6 Hours (repeatable max of 6 hrs)**

Specialist project research and writing directed by faculty committee.

*Recent Term(s) Offered:* None

**SEC 700 Maintain Matriculation 1-6 Hours (repeatable max of 6 hrs)**

Continued enrollment for specialist project completion.

*Recent Term(s) Offered:* None

## Social Responsibility & Sustainable Communities (SRSC)

**SRSC 510 Perspectives on Social Justice 3 Hours**

A consideration of major perspectives concerning social justice issues.

*Recent Term(s) Offered:* None

**SRSC 515 Utopias, Dystopias, & Intentional Communities 3 Hours**

A study of fictional and historical utopias, dystopias, and intentional communities, with particular attention to environmental concerns.

*Recent Term(s) Offered:* None

**SRSC 520 Community-based Research Methods 3 Hours**

The study of methodologies that support community-based research and problem-solving.

*Recent Term(s) Offered:* None

**SRSC 525 Place and the Problem of Healing 3 Hours**

A study of place as it relates to environmental and human/animal suffering and healing.

*Recent Term(s) Offered:* None

**SRSC 530 Social Policy 3 Hours**

A study of the convergences and discontinuities between social justice and social policy using critical interdisciplinary theories.

*Recent Term(s) Offered:* None

**SRSC 540 Community-Building for Sustainability 3 Hours**

Research in a topic related to sustainable community-building.

*Recent Term(s) Offered:* None

**SRSC 570 Special Topics in Social Responsibility & Sustainable Communities 1-6 Hours (repeatable max of 6 hrs)**

A detailed study of a specialized topic.

**Prerequisite(s):** permission of instructor

**Restriction(s):** Enrollment is limited to students in Socl Resp/Sustain Communities (0448)

*Recent Term(s) Offered:* None

**SRSC 579 Independent Study in Social Responsibility & Sustainable Communities 1-3 Hours (repeatable max of 6 hrs)**

Supervised individual study and/or field-based experience in a topic of particular relevance to the M.A. in Social Responsibility & Sustainable Communities.

*Recent Term(s) Offered:* None

**SRSC 590 Sustainability Symposium 3 Hours**

Culminating residency requirement for students seeking the Master's in Social Responsibility & Sustainable Communities. Includes group site evaluations and concluding symposium.

**Restriction(s):** Enrollment is limited to students in Socl Resp/Sustain Communities (0448)

*Recent Term(s) Offered:* None

**SRSC 599 Thesis Research/Writing 1-6 Hours** (repeatable max of 6 hrs)

For students pursuing the thesis option of the M.A. Social Responsibility & Sustainable Communities. Note: Earned 21 hours in program required.

**Restriction(s):** Enrollment is limited to students in Socl Resp/Sustain Communities (0448)

*Recent Term(s) Offered: None*

**SRSC 600 Maintaining Matriculation 1 Hour** (repeatable max of 6 hrs)

For students needing to maintain matriculation.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

## Social Work (SWRK)

**SWRK 433G Ethical Issues and Dilemmas in Social Work 3 Hours**

An examination of professional ethics and common ethical dilemmas in social work. Models of ethical decision making are applied in case vignettes.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022; spring 2023*

**SWRK 436G Services to Children 3 Hours**

A survey of institutional and community services with focus on principles of social services for children and their families.

*Recent Term(s) Offered: summer 2023*

**SWRK 501 Diversity, Oppression, and Equity in Social Work Practice 3 Hours**

Expands culturally competent standards of practice used in making effective assessments and providing interventions across cultures, including rurality. Note: Not appropriate for advanced standing MSW students.

**Restriction(s):** Enrollment is limited to students in Social Work (157)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**SWRK 510 Human Behavior in the Social Environment 3 Hours**

Examines behavior within the context of families, groups, organizations, communities, and cultures. Topics include developmental stages of the individual within multiple systems with a particular focus on issues of anti-racism, diversity, equity, and inclusion.

**Restriction(s):** Enrollment is limited to students in Social Work (157)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**SWRK 520 Generalist Social Work Practice 3 Hours**

Presents micro level theories as they apply to individuals and families. Foundation level skills are tied to theory for practice including communication skills, case management skills, and assessment skills. Field experiences in appropriate off-campus settings may be required. Note: Students are responsible for arranging their own transportation to designated or assigned sites.

**Corequisite(s):** SWRK 560

**Restriction(s):** Enrollment is limited to students in Social Work (157)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**SWRK 522 Group Dynamics in Social Work Practice 3 Hours**

An introduction to group work based interventions in social work, including dynamics of group interaction, stages of group development, and group types. Experiential exercises are used to promote understanding of group processes.

**Prerequisite(s):** SWRK 501 and SWRK 510 and SWRK 520 and SWRK 560

**Corequisite(s):** SWRK 561

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**SWRK 523 Rural Community Organization and Development 3 Hours**

Teaches knowledge, skills, and values of advanced macro level social work practice with a focus on complex skills in community development, economic development, and organizational change within the rural community.

**Prerequisite(s):** SWRK 501 and SWRK 510 and SWRK 520

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**SWRK 530 Foundation of Social Welfare Policy 3 Hours**

Foundations to social policy, social welfare, and the American society. Introduction to analytical and critical thinking about social welfare policy and processes.

**Restriction(s):** Enrollment is limited to students in Social Work (157)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**SWRK 540 Foundations of Social Work Research Methods 3 Hours**

Focuses on basic skills, knowledge, and values essential to critiquing and conducting social work research, with an emphasis on anti-racist and anti-oppressive evidence-based practice and research ethics.

**Restriction(s):** Enrollment is limited to students in Social Work (157)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**SWRK 560 Generalist Field Practicum I 3 Hours**

A beginning application of advanced social work principles and practice skills in a human services environment. Field experiences in an appropriate off-campus setting is required. Note: Students are responsible for arranging their own transportation to designated or assigned sites.

**Corequisite(s):** SWRK 520

**Restriction(s):** Enrollment is limited to students in Social Work (157)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**SWRK 561 Generalist Field Practicum II 3 Hours**

Continued application of advanced social work principles and practice skills in a human services environment. This is a continuation of SWRK 560. Field experiences in an appropriate off-campus setting are required. Note: Students are responsible for arranging their own transportation to designating or assigned sites.

**Prerequisite(s):** SWRK 520 and SWRK 560

**Corequisite(s):** SWRK 522

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**SWRK 571 Introduction to Kentucky Child Welfare Practice 3 Hours**

Focuses on understanding problems and issues faced by children and families within an ecological framework. Examination of the complexities of social work practice within the Kentucky child welfare system.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: winter 2022*

**SWRK 572 Interpersonal Violence: Social Work Practice 3 Hours**

Provides students with the research, practice, and policy knowledge necessary for understanding, assessing, and intervening in various forms of interpersonal violence. Additionally, students examine their own values, beliefs, and biases related to working in this area of social work practice.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: winter 2024*

**SWRK 573 Assessment and Case Management of Child Sexual Abuse 3 Hours**

Prepares students to identify family dynamics associated with childhood sexual abuse, advocacy, crisis assistance and intervention. Students gain knowledge and skills required to interview children, families, and offenders, assess needs, make appropriate referrals, and prepare for the placement of the child. Students will learn the social worker's role in a multi-disciplinary team and increase their preparation for and participation in related judicial proceedings.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022*

**SWRK 574 Enhancing Safety and Permanency for Children 3 Hours**

Students develop professional social work practice knowledge and skills in the delivery of services to children and youth in foster and out of home care as well as families (birth, relative, foster, and adoptive) who care for them. Students are prepared to enhance the safety and permanency of children receiving services from the Kentucky Cabinet for Health and Family Services. Students are responsible for their own transportation.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: winter 2022; spring 2022*

**SWRK 576 Advanced Casework Practice in Child Welfare 3 Hours**

Training in advanced levels of casework in a child welfare practice setting. Note: This is one of three administration and supervision courses offered by the Credit for Learning Program along with SWRK 577 and SWRK 578. Permission of the Credit for Learning (CFL) Program required.

**Corequisite(s):** SWRK 577, SWRK 578

*Recent Term(s) Offered: None*

**SWRK 577 Supervision of Advanced Casework in Child Welfare 3 Hours**

Core concepts and competencies in casework supervision in child welfare. Note: This is one of three administration and supervision courses offered by the Credit for Learning Program along with SWRK 576 and SWRK 578. Permission of the Credit for Learning (CFL) Program required.

**Corequisite(s):** SWRK 578, SWRK 576

*Recent Term(s) Offered: None*

**SWRK 578 Coaching and Mentoring Child Welfare Practice 3 Hours**

Supervision, coaching and mentoring theory, research, practices, and policies in child welfare. Note: This is one of three administration and supervision courses offered by the Credit for Learning Program along with SWRK 576 and SWRK 577. Permission of the Credit for Learning (CFL) Program required.

**Corequisite(s):** SWRK 577, SWRK 576

*Recent Term(s) Offered: None*

**SWRK 579 Partnership in Assessing Children and Families 3 Hours**

Provides students with a comprehensive introduction to assessment and provision of ongoing services in cases of child maltreatment as well as abuse and neglect of vulnerable adults.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022*

**SWRK 600 Maintaining Matriculation 1 Hour (repeatable max of 2 hrs)**

Maintaining matriculation while completing a thesis or comprehensive examination.

**Prerequisite(s):** SWRK 622

**Restriction(s):** Enrollment is limited to students in Social Work (157)

*Recent Term(s) Offered: None*

**SWRK 610 Social Work Administration and Supervision 3 Hours**

This course prepares students to assume leadership roles in rural non-profits by developing the knowledge, skills, values, and cognitive and affective processes necessary for advanced social work practice in administration and supervision.

**Restriction(s):** Enrollment is limited to students in Social Work (157)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**SWRK 612 Social Work in Diverse Rural Areas 3 Hours**

Addresses issues of diversity, including rurality, in multi-level advanced social work practice for Advanced Standing students.

**Restriction(s):** Enrollment is limited to students in Social Work (157)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**SWRK 620 Advanced Psycho-Social Approaches for Rural Practice 3 Hours**

Focuses on knowledge, skills, and values for advanced micro level social work within a rural area. Topics include clinical interventions with individuals, families, and groups, empowerment and interdisciplinary approaches. Note: Completion of all required 500 level MSW courses required.

**Corequisite(s):** SWRK 660

**Restriction(s):** Enrollment is limited to students in Social Work (157)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**SWRK 622 Integrated Social Work Practice with Families 3 Hours**

This course builds on the knowledge and skills gained in the generalist social work practice classes. Knowledge and skills related to the social work processes for planned change using engagement, assessment, planning, implementing, evaluating, terminating, and follow up in working with families will be taught. Note: Completion of all required 500 level MSW courses or admission to the Advanced Standing program required.

**Prerequisite(s):** SWRK 610 and SWRK 620 and SWRK 623 and SWRK 660

**Corequisite(s):** SWRK 661

**Restriction(s):** Enrollment is limited to students in Social Work (157)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**SWRK 623 Social Work Clinical Assessment and Intervention 3 Hours**

Focuses on clinical processes of assessment and diagnosis for rural-centered social work practice. Topics include theories within the Bio-Psycho-Social paradigm, frameworks for organizing and formulating diagnostic understanding with diverse populations. Note: Completion of all required 500 level MSW courses required.

**Restriction(s):** Enrollment is limited to students in Social Work (157)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**SWRK 630 Rural Social Welfare Policy 3 Hours**

Focuses on policy analysis with emphasis on skills in legislative advocacy and decision making related to social policy and services for rural areas. Includes local and state government decision-making. Note: Completion of all required 500 level MSW courses or admission to the Advanced Standing program required.

**Restriction(s):** Enrollment is limited to students in Social Work (157)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**SWRK 637 Theories of Addiction 3 Hours**

This course involves introduction to theoretical, philosophical and historical premises of addictions. Topics include professional ethics, diversity, family roles and relationships, and dual diagnosis. Note: Admission to or completion of approved graduate program in a helping profession required.

**Equivalent(s):** PSY 637, CNS 637

*Recent Term(s) Offered: None*

**SWRK 640 Applied Social Work Research 3 Hours**

Focuses on skills, knowledge, and values for evaluation of advanced rural social work with emphasis on single subject design and program evaluation. Students conduct a research project on their practice. Note: Completion of all required 500 level MSW courses or admission to the Advanced Standing program.

**Restriction(s):** Enrollment is limited to students in Social Work (157)  
*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**SWRK 647 Addictions: Assessment, Diagnosis and Treatment Planning 3 Hours**

This course involves the selection, administration, and interpretation of assessment methods and techniques used to diagnose addiction disorders, as well as the development of appropriate treatment plans and issues involved in individual, group and family treatment planning.

**Equivalent(s):** CNS 647, PSY 647  
*Recent Term(s) Offered: None*

**SWRK 660 Advanced Generalist Field Practicum I 3 Hours**

An advanced application of social work principles and practice skills in a human services environment with a specific population. Field experiences in an appropriate off-campus setting are required. Note: Students are responsible for arranging their own transportation to designated or assigned sites. Completion of all required 500 level MSW courses required.

**Corequisite(s):** SWRK 620

**Restriction(s):** Enrollment is limited to students in Social Work (157)  
*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**SWRK 661 Advanced Generalist Field Practicum II 3 Hours**

The capstone course, a continuation of SWRK 660. Application of advanced social work principles and practice skills in a human services environment with a specific population. Field experiences in appropriate off-campus settings are required. Note: Students are responsible for arranging their own transportation to designated or assigned sites. Completion of all required 500 level MSW courses required.

**Prerequisite(s):** SWRK 620 and SWRK 660

**Corequisite(s):** SWRK 622

**Restriction(s):** Enrollment is limited to students in Social Work (157)  
*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**SWRK 667 Counseling Substance and Process Addictions 3 Hours**

Counseling issues to substance abuse diagnosis, treatment and aftercare programs involving individual, group, family and other systems.

**Equivalent(s):** CNS 667, PSY 667  
*Recent Term(s) Offered: None*

**SWRK 671 Social Work and the Law 3 Hours**

Introduction to legal issues in social work. Identifies similarities and differences between legal and ethical obligations and dilemmas. Topics include courtroom evidence, procedure and testimony.

**Restriction(s):** Enrollment is limited to students in Social Work (157)  
*Recent Term(s) Offered: spring 2024*

**SWRK 672 Child Sexual Abuse 3 Hours**

Dynamics, causes, and effects of child sexual abuse across the life span. Focuses on interventions, skills, and knowledge for working with families and individuals experiencing child sexual abuse. Note: Completion of all required 500 level MSW courses required.

**Restriction(s):** Enrollment is limited to students in Social Work (157)  
*Recent Term(s) Offered: winter 2022; summer 2024*

**SWRK 673 Grief and Loss: Issues and Interventions 3 Hours**

Dynamics of grief and loss. Theories/models for interventions that are relevant for advanced direct social work practice in rural settings.

**Restriction(s):** Enrollment is limited to students in Social Work (157)  
*Recent Term(s) Offered: winter 2022; winter 2023*

**SWRK 675 Expressive Therapies in Social Work Practice 3 Hours**

This course will focus on the use of expressive therapies in social work practice from a holistic perspective that embraces alternative practices for personal change and growth. Students will obtain knowledge from various theories and models with interventions that are relevant for individual, family and group social work practice which extends what is known as the traditional "talking cure". Note: Completion of all required 500 level MSW courses required.

**Restriction(s):** Enrollment is limited to students in Social Work (157)  
*Recent Term(s) Offered: spring 2022; spring 2023; fall 2024*

**SWRK 676 Social Work with Migrants 3 Hours**

Examine terms associated with migrants, the history of immigration in the U.S., cultural competency and migrant populations, theoretical underpinnings, effective interventions, the most vulnerable migrant groups, and the role of social work.

**Restriction(s):** Enrollment is limited to students in Social Work (157)  
*Recent Term(s) Offered: None*

**SWRK 678 Environmental Justice: Theory, Policy, and Practice 3 Hours**

Examines the relationship between environmental practice and social inequity, with grounding in relevant theories, policies, practice and evaluation of micro, mezzo, and macro intervention.

*Recent Term(s) Offered: None*

**SWRK 679 Professional Social Work Writing Seminar 3 Hours**

Common social work writing tasks include documentation of client services, psychosocial assessments including diagnostic impressions, court reports often including recommendations for removal of children or jail time, grant proposals, and additional discipline specific writing requirements. This course will help students develop advanced social work writing skills in these areas critical for successful advanced professional practice.

*Recent Term(s) Offered: None*

**SWRK 680 Social Work in Sports 3 Hours**

Focuses on the role of social workers in sport. Theories and policies informing social work practice in sport will be examined. Focuses on the role of social work within an interprofessional team that works to support athletes. Applies social work values, ethics, and competencies to sport social work. Addresses the well-being of the athlete, assessment, intervention, and social justice.

*Recent Term(s) Offered: summer 2022; winter 2023; spring 2024*

**SWRK 681 Trauma and Stressor Related Disorders 3 Hours**

This course will prepare students to assess, diagnose, and treat PTSD and Other Trauma and Stressor related disorders in diverse settings. Evidenced Based Practice standards for specific populations will be explored. Suicide assessment, prevention, and treatment will be integrated throughout the course due to the increased risk factors with traumatic experiences. Themes of countertransference, secondary trauma, and burnout will be woven into the course.

**Prerequisite(s):** (SWRK 623 with a minimum grade of B or permission of instructor)

*Recent Term(s) Offered: summer 2023*

**SWRK 682 Suicide Assessment and Intervention for Social Work 3 Hours**

This course will further prepare students to assess and intervene with client systems experiencing suicidal ideation. Evidenced Based Practice standards for assessment will be reviewed. DSM criteria will be examined for diagnoses that increase the likelihood of suicidal thoughts and actions. Best practices for intervention and safety planning will be of focus. The Social Worker's role at various levels, to include Qualified Mental Health Professional (QMHP), will be explored.

**Prerequisite(s):** (SWRK 623 with a minimum grade of B or permission of instructor)

*Recent Term(s) Offered: spring 2024*

**SWRK 683 Trauma Informed School Social Work Practice 3 Hours**

This course prepares students to assume the role of school social worker by developing the knowledge, skills, values and cognitive and affective processes for advanced trauma informed social work practice within school settings.

**Restriction(s):** Enrollment is limited to students in Social Work (157)

*Recent Term(s) Offered: winter 2024*

**SWRK 685 Human Trafficking: Theories, Policies, & Intervention 3 Hours**

Students will learn important terminology, typologies of human trafficking, and gain an understanding of the scope of the problem, both domestically and globally. Students will holistically examine the problem of human trafficking from a micro perspective to a macro perspective.

*Recent Term(s) Offered: spring 2023*

**SWRK 695 Special Topics in Social Work 3 Hours (repeatable max of 9 hrs)**

An in-depth examination of a selected topic in social work. Topics will vary.

**Restriction(s):** Enrollment is limited to students in Social Work (157)

*Recent Term(s) Offered: summer 2022*

**SWRK 698 Selected Readings in Social Work 3 Hours (repeatable max of 6 hrs)**

An independent study with a faculty member focusing on the development of a literature review or thesis topic pertaining to an agreed upon area within rural centered social work practice. Note: Completion of the 1st year of MSW or advanced standing required.

**Restriction(s):** Enrollment is limited to students in Social Work (157)

*Recent Term(s) Offered: None*

**SWRK 699 Selected Research in Social Work 3,6 Hours**

An independent study with a faculty member focusing on the completion of the research proposal initiated in SWRK 698.

**Prerequisite(s):** SWRK 698

*Recent Term(s) Offered: None*

## Sociology (SOCL)

**SOCL 408G Survey Applications 3 Hours**

Student involvement in the design, conduct, analysis, and dissemination of an actual social survey research project.

**Prerequisite(s):** (SOCL 300 or equivalent) and (SOCL 302 or equivalent) and permission of instructor

*Recent Term(s) Offered: None*

**SOCL 420G Political Sociology 3 Hours**

Political behavior within a sociological perspective. Includes social cohesion, legitimacy, political socialization, and power structures. Note: Nine hours of sociology required.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**SOCL 434G Organized Crime 3 Hours**

The study of both traditional and nontraditional organized crime from a sociological perspective.

*Recent Term(s) Offered: None*

**SOCL 435G Family Violence 3 Hours**

This course is designed to provide the student with a sociological perspective on family violence in the United States. Emphasis is placed on child abuse and wife abuse. Research, theory, laws, treatment and prevention are analyzed. Note: Six hours of sociology required.

*Recent Term(s) Offered: None*

**SOCL 440G Medical Sociology 3 Hours**

Comprehensive examination of the social organization of the health care industry in the U.S. Focus on origins and development of medicine, social epidemiology, the social construction of illness and illness behavior, the professionalization of medicine and patterns of social interaction between health providers and patients.

*Recent Term(s) Offered: None*

**SOCL 450G Occupations and Professions 3 Hours**

Deals with occupation specialization and the nature of occupational organization. Examines a variety of occupations and professions to determine the place of work in the lives of their members.

**Prerequisite(s):** SOCL 346 or permission of instructor

*Recent Term(s) Offered: None*

**SOCL 470G 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. Note: Three hours of sociology required.

**Prerequisite(s):** ENG 300 or permission of instructor

*Recent Term(s) Offered: None*

**SOCL 489G Sociology Study Abroad 1-3 Hours (repeatable max of 3 hrs)**

Sociological and cultural study in international locations. No more than three hours may be applied toward the M.A. in sociology.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**SOCL 500 Seminar Teaching Sociology 2 Hours**

Workshop for students who plan to teach sociology.

*Recent Term(s) Offered: None*

**SOCL 501 Practicum in the Teaching of Sociology 1 Hour**

Seminar for students who are teaching sociology. Note: 16 graduate hours in sociology required.

**Prerequisite(s):** SOCL 500

*Recent Term(s) Offered: None*

**SOCL 505 Proseminar in Sociology 1 Hour**

Socializes graduate students into the discipline and profession of sociology and acquaints them with department faculty and their interests.

**Restriction(s):** Enrollment is limited to students in Sociology (105)  
*Recent Term(s) Offered: None*

**SOCL 510 Qualitative Methods of Social Research 3 Hours**

Covers epistemological and philosophical bases of qualitative inquiry; research design and data analysis in participant observation, in-depth interviewing, hermeneutic content analysis, and discourse analysis; issues in validity, reliability, and ethics of qualitative research.

**Restriction(s):** Enrollment is limited to students in Sociology (105)  
*Recent Term(s) Offered: None*

**SOCL 512 Sociological Theory 3 Hours**

Analysis of current sociological theories, including a survey of recent approaches to the construction and application of systematic theoretical models. Note: Six hours of sociology required.

**Prerequisite(s):** permission of instructor  
*Recent Term(s) Offered: None*

**SOCL 513 Quantitative Methods of Social Research 3 Hours**

Covers concept definition, model building, and research design appropriate to problem and data. Includes a review of representative research studies to acquaint the sociology major with advanced social research methodology, techniques, and procedures. Note: Six hours of sociology required.

**Prerequisite(s):** permission of instructor  
*Recent Term(s) Offered: spring 2022; summer 2022*

**SOCL 514 Advanced Social Statistics 3 Hours**

Deals with forms of statistical analysis commonly applied to sociological research data. Includes multiple and partial correlation and regression, one-and two-way analysis of variance, path and nonlinear function analysis, interaction effects, and introduction to factor analysis. Note: Basic undergraduate statistics course required.

**Prerequisite(s):** permission of instructor  
*Recent Term(s) Offered: winter 2022*

**SOCL 515 Advanced Data Analysis 3 Hours**

Deals with multivariate forms of statistical analyses commonly applied to quantitative sociological research data. Covers applications and extensions of the general linear model, including dummy variable regression, analysis of variance and covariance, etc.

**Prerequisite(s):** (SOCL 513 or equivalent) and (SOCL 514 or equivalent)  
*Recent Term(s) Offered: None*

**SOCL 531 Deviant Behavior 3 Hours**

Deals with types of deviant behavior with emphasis on criminality, delinquency, drug addiction, and alcoholism. Also covers current sociological theory and research in the field. Note: Six hours of sociology required.

**Prerequisite(s):** permission of instructor  
*Recent Term(s) Offered: None*

**SOCL 535 Family Violence 3 Hours**

Examination of family violence within the United States. Emphasis placed on spousal violence and child abuse but also on violence within other intimate relationships.

*Recent Term(s) Offered: None*

**SOCL 541 Demography 3 Hours**

A review of the demographic processes such as mortality, fertility, and migration, with emphasis on measurements, methods, and analytical techniques. Note: Six hours of sociology required.

**Prerequisite(s):** permission of instructor  
*Recent Term(s) Offered: None*

**SOCL 542 Community 3 Hours**

Ecological and social concepts of the community and its structure and function. Note: Six hours of sociology required.

**Prerequisite(s):** permission of instructor  
*Recent Term(s) Offered: None*

**SOCL 545 Rural Poverty 3 Hours**

Explores the nature and scope of poverty in contemporary rural America. Current theories of and policy solutions to poverty will be critically examined. Students are responsible for arranging their own transportation for optional field trips.

*Recent Term(s) Offered: None*

**SOCL 551 Sociology of the Family 3 Hours**

Analysis of the family institution; the impact of modern culture on the family. Note: Six hours of sociology required.

**Prerequisite(s):** permission of instructor  
*Recent Term(s) Offered: None*

**SOCL 561 Advanced Social Interaction: Self in Society 3 Hours**

The self in social environment, especially face-to-face interaction as individuals interpret, influence, and react to others' actions. Emphasis on identity, roles, and definitions of the situation. Note: Six hours of sociology required.

**Prerequisite(s):** permission of instructor  
*Recent Term(s) Offered: None*

**SOCL 571 Topical Seminar Sociology 3 Hours** (repeatable max of 9 hrs)

Significant topics, issues, or developments in the discipline.  
*Recent Term(s) Offered: spring 2023*

**SOCL 595 Directed Study 1-3 Hours** (repeatable max of 6 hrs)

Individual research in a specific area of sociology in close cooperation with supervising faculty.

**Prerequisite(s):** permission of instructor  
*Recent Term(s) Offered: winter 2023; spring 2023; summer 2024*

**SOCL 598 Internship in Sociology 3-6 Hours**

Practical experience in a supervised work situation with a cooperating agency. Note: Twenty-four graduate credit hours earned and successful completion of research tool required.

*Recent Term(s) Offered: None*

**SOCL 599 Thesis Research/Writing 1-6 Hours** (repeatable max of 6 hrs)

Thesis research and writing directed by faculty committee.  
*Recent Term(s) Offered: None*

**SOCL 600 Maintain Matriculation 1-6 Hours** (repeatable max of 6 hrs)

Continued enrollment for thesis completion.  
*Recent Term(s) Offered: fall 2022*

## Spanish (SPAN)

### SPAN 470G Advanced Oral Spanish 3 Hours

Conversation units, dramatic sketches, original oral topics.

**Prerequisite(s):** SPAN 370

*Recent Term(s) Offered: fall 2022*

### SPAN 471G Advanced Spanish Composition 3 Hours

Examination of selected literary works; original compositions on selected topics.

**Prerequisite(s):** SPAN 371

*Recent Term(s) Offered: None*

### SPAN 476G 20th Century Spain 3 Hours

Chronological study of the culture of Spain through literary masterpieces of the present century. Ideas and characteristics of cultural and literary periods in Spain and approaches to literary texts will be discussed.

*Recent Term(s) Offered: None*

### SPAN 490G Hispanic Cinema 3 Hours

Introduces students to the cinematic work of Latin American, Spanish and US-Hispanic-Latino film artists and develops critical interpretative skills that enhance appreciation of films.

*Recent Term(s) Offered: None*

### SPAN 499G Advanced Studies in Spanish 1-4 Hours (repeatable max of 6 hrs)

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.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

### SPAN 555 Topics in Hispanic Literature and Culture 3 Hours (repeatable max of 6 hrs)

This course will examine different literary and cultural topics of interest in Hispanic studies.

*Recent Term(s) Offered: spring 2023*

### SPAN 578 Seminar: Hispanic Literature or Language 3 Hours (repeatable max of 6 hrs)

No course description is available

*Recent Term(s) Offered: None*

## Special Education (SPED)

### SPED 419G Assistive Technology in the Special Education Classroom 3 Hours

This class is designed to provide an overview of assistive technology and augmentative/alternative 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 516

*Recent Term(s) Offered: None*

### SPED 421G Special Education and the Law: Inter/Appl 3 Hours

Focus is on laws and regulations and the education of children and youth with disabilities. Laws and regulations, the developments that led to them, and their implications for schools, students, and parents are discussed, analyzed, and applied to practical situations.

**Prerequisite(s):** SPED 516

*Recent Term(s) Offered: None*

### SPED 422G Collaboration and Inclusion in School and Community Settings 3 Hours

This course provides an overview of methods which facilitate collaboration across disciplines to support diverse learners in regular classrooms and community settings. Field experiences are required.

**Prerequisite(s):** SPED 516

*Recent Term(s) Offered: None*

### SPED 431G Language Intervention: Strategies and Materials 3 Hours

Preparation of teachers to work as consultants in a team model; exploration of local, state and regional agencies involved with individuals diagnosed with ASD. Supervised practicum required at designated sites. Note: Masters degree required.

**Prerequisite(s):** SPED 610

*Recent Term(s) Offered: None*

### SPED 432G Applied Behavior Analysis 3 Hours

Setting realistic classroom performance objectives for individuals with disabilities. Terminology and methodology in managing a learning environment with appropriate record keeping systems. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Note: Students are responsible for providing their own transportation.

**Prerequisite(s):** SPED 331 and SPED 333

*Recent Term(s) Offered: None*

### SPED 460G Special Problems 1-3 Hours

Investigation of a special problem from an area of individual interest.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

### SPED 480G Special Problems 1 Hour

No course description is available

*Recent Term(s) Offered: None*

### SPED 501 Introduction to Applied Behavior Analysis 3 Hours

This course provides an introduction to the concepts, theories and principles of applied behavior analysis

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024; summer 2024*

### SPED 502 Positive Behavior Supports 3 Hours

This class will focus on methods and models of positive behavior management in group settings for school-aged learners with behavior problems.

*Recent Term(s) Offered: spring 2023*

### SPED 503 Behavior Assessment 3 Hours

This class will focus on how to accurately define, assess and measure behavior and learn how to conduct a function-based assessment.

*Recent Term(s) Offered: winter 2022; winter 2023; spring 2024*

### SPED 504 Instruction to Improve Behavior 3 Hours

This course examines how evidence-based instructional practices can be used to improve academics, social skills, functional skills, and behaviors.

*Recent Term(s) Offered: spring 2023; spring 2024*

**SPED 505 Ethics Surrounding Behavior Issues 3 Hours**

This course examines legislation, regulations, court decisions, and ethical standards that impact practice in schools and other agencies for school-age learners with behavior problems.

*Recent Term(s) Offered: winter 2022; winter 2023; winter 2024; summer 2024*

**SPED 515 Introduction to Special Education 3 Hours**

Introductory course for initial certification in special or general education. Disability categories, basic special education framework and learning theories introduced.

*Recent Term(s) Offered: winter 2022; spring 2022; summer 2022; fall 2022; winter 2023; spring 2023; summer 2023; fall 2023; winter 2024; spring 2024; summer 2024; fall 2024*

**SPED 516 The Exceptional Child: Perspectives and Issues for Educational Leaders 3 Hours**

Focus is on the characteristics, priorities, resources and issues of children with disabilities, delays, or giftedness and their families. Emphasis is on current results of research and perspectives on today's children, families, schools and communities from an educational leadership perspective.

*Recent Term(s) Offered: None*

**SPED 517 Transition Services and Programs for Individuals with Disabilities 3 Hours**

Transition planning for individuals with disabilities. Interagency collaboration, vocational assessment, and life-skills competencies within the general curriculum are addressed.

*Recent Term(s) Offered: summer 2022; fall 2022; summer 2023; fall 2023; summer 2024; fall 2024*

**SPED 518 Seminar: Contemporary Challenges in Special Education 3 Hours**

Issues in special education. Classroom experiences to develop awareness and sensitivity to educational needs. Note: Minimum of 12 hours of graduate level coursework in exceptional education required.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**SPED 523 Curriculum/Methods in Early Childhood Special Education 3 Hours**

Selection/development of curricula materials for planning, implementation, and evaluation of intervention with children P-5 who have disabilities.

**Prerequisite(s):** IECE 522 and IECE 521 and IECE 523

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**SPED 525 Intervention Support for Students with Dyslexia and Other Reading Disabilities 3 Hours**

Characteristics of dyslexia and related learning disabilities with emphasis on assessment and data-driven decision making to design specialized, research-based instruction.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; fall 2024*

**SPED 529 Assessment of Students with Moderate to Severe Disabilities 3 Hours**

Assessment needs for functional skills across school, home, and community promoting increased independence of students with moderate to severe disabilities. Course includes reading individual psychology reports to working with parents as essential partners in assessing student needs and creating program goals. Field hours required.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**SPED 530 Advanced Assessment of Students with Disabilities in General Education 3 Hours**

Development of competencies in selecting, designing, interpreting, and administering various assessment techniques for students with high-incidence disabilities (e.g., learning and behavior disorders).

*Recent Term(s) Offered: spring 2022; fall 2022; fall 2023; fall 2024*

**SPED 531 Data-Based Individualization in Special Education 3 Hours**

The purpose of this course is to provide students with the opportunity to monitor and interpret academic progress, make instructional decisions, and set goals for individual students based on data gathered from the DBI process.

*Recent Term(s) Offered: summer 2022; spring 2023; fall 2023; spring 2024*

**SPED 532 Families, Professionals and Exceptionalities 3 Hours**

Interpreting programs for individuals with disabilities to maximize family involvement. Emphasizes the attitudes, skills, and knowledge taught in the educational program.

*Recent Term(s) Offered: None*

**SPED 533 Seminar: Curriculum for Learning and Behavior Disorders 3 Hours**

Development, adaptation, and evaluation of curricula, methods, materials, and resources. Implementing and evaluating instructional programs for students with mild disabilities is stressed.

**Prerequisite(s):** SPED 516 and SPED 530 and SPED 531

*Recent Term(s) Offered: None*

**SPED 534 Research in Exceptional Child Education 3 Hours**  
(repeatable max of 6 hrs)

Reading, interpreting and conducting research related to students with disabilities, parents, and teachers. An independent research project is required.

*Recent Term(s) Offered: spring 2022; fall 2023*

**SPED 535 Curriculum for Individuals with Moderate and Severe Disabilities 3 Hours**

Designing and implementing instruction for learners with severe disabilities using data-driven assessment and research-based pedagogy for student with intense needs. Alternative standards, functioning life skill, and independence to the least restrictive situations are emphasized. Field work required.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**SPED 590 Advanced Internship in Special Education 3 Hours**  
(repeatable max of 6 hrs)

Clinically supervised instructional practice in an approved setting for development of advanced skills and experience.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*



**SPED 595 Advanced Preparation Capstone for Special Education 3 Hours** (repeatable max of 6 hrs)

A capstone course in Special Education for advanced candidates seeking an additional teacher certification area. Practice in implementing instructional skills and procedures. Field observation hours required.

**Prerequisite(s):** Praxis-Spec ED:mod appl (comp) with a score of 158 or Praxis-Spec ED:Profnd app-comp with a score of 158 and permission of instructor

*Recent Term(s) Offered: spring 2022; fall 2022*

**SPED 599 Thesis Research and Writing 3 Hours** (repeatable max of 6 hrs)

Thesis research and writing directed by faculty committee.

*Recent Term(s) Offered: None*

**SPED 600 Maintaining Matriculation 3 Hours** (repeatable max of 6 hrs)

Continued enrollment for thesis completion.

*Recent Term(s) Offered: None*

**SPED 610 Characteristics of Low Incidence Disorders 3 Hours**

Comprehensive review of low incidence disabilities. Theories of causation, descriptive and diagnostic characteristics, teaching considerations, and legal and social issues. Thirty field experience hours required.

*Recent Term(s) Offered: fall 2022; summer 2023; fall 2023; summer 2024; fall 2024*

**SPED 611 Advanced Capstone for Low Incidence Disabilities, DD/ASD/MSD 1-6 Hours**

A capstone course in Special Education:MSD. Practice in implementing instructional skills and procedures. Field observation required.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; summer 2023*

**SPED 612 Collaboration between Schools and Stakeholders for Individuals with Disabilities 3 Hours**

Preparation of school leaders and teachers to work as consultants in a team model; exploration of local, state and regional agencies involved with individuals with disabilities. Supervised practicum required at designated sites.

**Equivalent(s):** EDAD 612

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**SPED 615 Instructional Strategies for Students with Moderate and Severe Disabilities 3 Hours**

Development of competencies and philosophies of instructional design specific to teaching students who receive special education services. Emphasis on research-based instruction strategies, planning, and classroom structures. Field hours required

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024; fall 2024*

**SPED 618 Social Skills Instruction & Behavioral Programming for Students with Disabilities 3 Hours**

Development of competencies in assessing, designing, and implementing social skills instruction and behavioral programming for students who receive special education services.

*Recent Term(s) Offered: spring 2022; summer 2022; spring 2023; summer 2023; spring 2024; summer 2024*

**SPED 619 Assistive Technological and Communication Interventions for Students with Autism Spectrum Disorders 3 Hours**

Investigation of assistive and instructional technology, as well as alternative and augmentative communication devices to implement with students with ASD and PDD. Note: Masters degree required.

**Prerequisite(s):** SPED 610

*Recent Term(s) Offered: None*

**SPED 620 Seminar in the Administration of Special Education 3 Hours**

Current trends and issues in the administration and supervision of special education programs.

**Equivalent(s):** EDAD 620

*Recent Term(s) Offered: None*

**SPED 625 Practicum in the Administration of Special Education 3 Hours**

Supervised practice in educational organizations for persons preparing to become a Director of Special Education.

**Equivalent(s):** EDAD 625

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; fall 2024*

**SPED 630 Special Education Law and Finance 3 Hours**

Comprehensive study of existing federal and state mandates for special education; procedural considerations (e.g., budget, legally defensible decision-making); Applied activities for future special educators (e.g., substantive applications) and district leaders (i.e., budgeting).

*Recent Term(s) Offered: spring 2022; summer 2022; summer 2023; summer 2024*

## Speech-Language Pathology (SLP)

**SLP 500 Research Methodology in Communication Sciences and Disorders 3 Hours**

Interpretation of empirical research designs used in the field of speech-language pathology and audiology. Includes understanding the various statistical analysis used to determine research outcomes and their relevance to clinical practice.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**SLP 501 Early Intervention in Speech-Language Pathology 3 Hours**

Theory and practice in the assessment and intervention of speech and language disorders in the infant/toddler population.

**Restriction(s):** Enrollment is limited to students in Speech-Language Pathology (0466)

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**SLP 502 Motor Speech Disorders 3 Hours**

The etiologies, communication characteristics, appraisal and treatment of motor speech disorders in children and adults.

*Recent Term(s) Offered: summer 2022; fall 2022; summer 2023; fall 2023; fall 2024*

**SLP 504 Child Language Disorders 3 Hours**

Theory and practice in the assessment and intervention of language disorders in the preschool and school age populations.

**Restriction(s):** Enrollment is limited to students in Speech-Language Pathology (0466)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**SLP 506 Fluency Disorders 3 Hours**

Prevention, assessment and treatment of stuttering and other fluency disorders in children and adults.

**Restriction(s):** Enrollment is limited to students in Speech-Language Pathology (0466)

*Recent Term(s) Offered:* fall 2022; fall 2023; fall 2024

**SLP 507 Aphasia 3 Hours**

Symptomatology, etiology, differential diagnosis, and remediation of adult aphasia

*Recent Term(s) Offered:* spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; summer 2024

**SLP 508 Voice Disorders 3 Hours**

Diagnosis and remediation techniques for voice disorders in children and adults. Rehabilitation of the laryngectomy including use of electrolarynx, esophageal speech, and other voice substitutes.

*Recent Term(s) Offered:* summer 2022; fall 2022; summer 2023; fall 2023; fall 2024

**SLP 509 Speech Science 3 Hours**

Study and review of current research in acoustics, speech production, and speech perception. Emphasis on physiological, acoustical and biomedical recording, measurement and interpretation of speech signals.

*Recent Term(s) Offered:* None

**SLP 510 Seminar in Professional Issues 3 Hours**

Current local, regional, and national issues that impact service delivery by the speech pathologist and audiologist. Includes ethics and requirements for state and American Speech-Language Hearing Association certification and licensure.

*Recent Term(s) Offered:* None

**SLP 511 Neurological Foundations for Speech Language Pathology 3 Hours**

Study of nervous system organization and how it affects speech, language, and swallowing. Areas of speech, language, and cognition that are affected by diseases, trauma, and disorders. Medical testing including CT scan, MRI, functional imaging and application in the profession are discussed.

*Recent Term(s) Offered:* fall 2022; fall 2023; fall 2024

**SLP 512 Speech Sound Disorders 3 Hours**

Prevention, evaluation, diagnosis, and management of appropriate intervention strategies for persons presenting with articulation and/or phonological disorders as well as dialectal variations of speech sound production.

*Recent Term(s) Offered:* spring 2022; spring 2023; spring 2024

**SLP 513 Cognitive-Communication Disorders 3 Hours**

Neural based cognitive-communication disorders, with an emphasis on traumatic brain injury, dementia, and other etiologies that cause cognitive-communication disorders. Prevention, identification, assessment, therapeutic strategies and classification of cognitive-communication disorders.

*Recent Term(s) Offered:* fall 2022; fall 2023; fall 2024

**SLP 514 Dysphagia 3 Hours**

Etiology, characteristics, assessment, intervention protocols and treatment techniques for individuals with dysphagia.

*Recent Term(s) Offered:* spring 2022; spring 2023; spring 2024

**SLP 515 Rehabilitation Audiology 3 Hours**

Methods and procedures for evaluating hearing loss and the selection and fitting of amplification across the lifespan will be addressed.

Intervention techniques and counseling will be discussed.

*Recent Term(s) Offered:* spring 2022; spring 2023; spring 2024

**SLP 517 Normal Language Development 3 Hours**

Introduction to development of speech and language across the lifespan with emphasis on comprehensive child development. Topics include development of speech and language, play, cognition, socialization, and emerging literacy.

*Recent Term(s) Offered:* summer 2022; summer 2023; summer 2024

**SLP 518 Alternative and Augmentative Communication Modalities 3 Hours**

Surveys terminology and service delivery for alternative and augmentative communication; specifies the rationale for high or low tech device selection based on client needs.

*Recent Term(s) Offered:* winter 2022; summer 2022; summer 2023; winter 2024

**SLP 519 Social and Cultural Foundations in SLP 3 Hours**

In-depth examination of social and cultural aspects of assessment and intervention in speech-language pathology

*Recent Term(s) Offered:* winter 2022; winter 2023; summer 2024

**SLP 550 Speech-Language Pathology and Counseling: Strategies for Clinical Practice 3 Hours**

Designed to teach clinicians how to help clients and their families in a positive, empathetic manner. Disorder-specific guidance with respect to client/family understanding of the communication impairment will be presented. Students will be given opportunities to apply their knowledge through interpretation of research and evaluation of case studies.

*Recent Term(s) Offered:* spring 2022; spring 2023; spring 2024; summer 2024

**SLP 553 Diagnostic Procedures 3 Hours**

Teaches in depth assessment, interpretation of results and clinical report writing skills. Focus on identification of pediatric to geriatric persons with communication disabilities in various clinical settings. Addresses assessment in multicultural populations. Elaboration and extension of basic diagnostic skills and techniques.

*Recent Term(s) Offered:* winter 2022; winter 2023; winter 2024

**SLP 555 Craniofacial Conditions 3 Hours**

Etiology, screening, assessment, clinical diagnosis, and management of speech, language, feeding/swallowing conditions associated with craniofacial conditions such as, velopharyngeal or oropharyngeal disorders.

*Recent Term(s) Offered:* winter 2023; winter 2024

**SLP 557 Speech-Language Pathology and Autism Spectrum Disorders 3 Hours**

Development of strategies for speech-language pathologists to assess and treat the social and communication needs of those with autism spectrum disorders.

**Prerequisite(s):** SLP 501 and SLP 504

*Recent Term(s) Offered:* spring 2022; spring 2023; spring 2024

**SLP 558 Interprofessional Practice Across the Lifespan 3 Hours**

Principles of interprofessional collaboration and exploration of roles of family/caregivers and health care and educational professionals; interprofessional communication, decision making and collaborative team problem solving as it relates to a variety of settings across the lifespan.

*Recent Term(s) Offered: None*

**SLP 560 Medical Speech- Language Pathology 3 Hours**

Current issues encountered in the medical environment in preparation for an externship and career in a healthcare setting. Collaborative roles, ethics, documentation, communication, advanced diagnostics, impact of various medical conditions on communication, cognition, and swallowing.

**Prerequisite(s):** SLP 514

*Recent Term(s) Offered: spring 2022; summer 2022; spring 2023; summer 2023; spring 2024; summer 2024*

**SLP 567 School Based Speech-Language Pathology 3 Hours**

Review, analysis and critique of speech-language pathology service delivery in schools, including credentialing, professional issues, regulations, due process, assessment, and treatment.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**SLP 572 Contemporary Issues in Communication Disorders 3 Hours (repeatable max of 6 hrs)**

An in-depth examination of a topic of current interest and relevance to speech-language pathologists.

*Recent Term(s) Offered: winter 2022; spring 2022; summer 2022; summer 2023; summer 2024*

**SLP 575 The Speech Language Pathologist's Role in Literacy Practice 3 Hours**

An examination of how difficulties involving phonological awareness, memory, retrieval, language demands of textbooks, academic talk, and curriculum may stress a student's capabilities at different ages and grade levels and learn how speech-language pathologists can assess and provide intervention.

*Recent Term(s) Offered: None*

**SLP 579 Seminar in Professional Issues 1 Hour**

Current local, regional, and national issues that impact speech-language pathology service delivery. Includes requirements for state licensure and national certification.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**SLP 580 Clinical Observation 1 Hour**

Provides graduate speech-language pathology students with opportunities to observe, evaluate, then analyze a variety of professional assessment and intervention sessions. A minimum of 25 hours of treatment or assessment of communication disorders in children or adults is required.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

**SLP 588 Clinical Methods in Speech-Language Pathology 1 Hour**

Introduction to clinical policies and procedures in speech-language pathology.

**Restriction(s):** Enrollment is limited to students in Speech-Language Pathology (0466)

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**SLP 589 Special Topics in Communication Disorders 1-3 Hours**

(repeatable max of 3 hrs)

Independent but guided inquiry of pre-approved topics in the field of Speech Pathology-Audiology. Not substituted for course offered same term.

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

**SLP 590 Clinical Internship 1 Hour (repeatable max of 2 hrs)**

Advanced, supervised, clinical practicum that provides varied on-campus experiences with clients presenting communication disorders. Maximum of one hour allowed per semester.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**SLP 591 Clinical Externship 2,3 Hours (repeatable max of 6 hrs)**

Advanced, supervised clinical experience in a variety of settings external to the campus. Maximum of 3 hours per semester.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; summer 2024; fall 2024*

**SLP 596 International Speech-Language Pathology 3 Hours**

Knowledge and understanding of how speech and language services are rendered in other countries will be gained through study abroad.

**Prerequisite(s):** permission of instructor

**Restriction(s):** Enrollment is limited to students in Speech-Language Pathology (0466)

*Recent Term(s) Offered: winter 2023*

**SLP 599 Thesis Research and Writing 3 Hours (repeatable max of 6 hrs)**

Faculty supervised research project on a topic related to speech-language pathology.

**Prerequisite(s):** SLP 500 and permission of instructor

**Restriction(s):** Enrollment is limited to students in Speech-Language Pathology (0466)

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**SLP 600 Maintaining Matriculation 1-6 Hours (repeatable max of 6 hrs)**

Maintaining matriculation while completing thesis or comprehensive examination. Note: Completion of all program requirements except thesis or comprehensive examination.

**Restriction(s):** Enrollment is limited to students in Speech-Language Pathology (0466)

*Recent Term(s) Offered: summer 2022; fall 2022; summer 2023; summer 2024; fall 2024*

## Statistics (STAT)

**STAT 549 Statistical Methods I 3 Hours**

Principles of applied statistical research. Elements of data collection and experimental design. Parametric and nonparametric methods for analyzing interval, ordinal and categorical data, including confidence intervals and hypothesis testing, single factor ANOVA, simple and multiple linear regression and correlation. Emphasis will be placed on analyzing real data.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: fall 2022; fall 2024*

**STAT 550 Statistical Methods II 3 Hours**

Continuation of STAT 549. Topics include multiple linear regression, generalized linear model, two-way ANOVA and more general factorial design, block and nested design, mixed and random effect models, analysis of covariance. Emphasis on analyzing real data using statistical software packages, such as SAS, SPSS, or R.

**Prerequisite(s):** STAT 549 with a minimum grade of B or permission of instructor

*Recent Term(s) Offered: None*

## Sustainability (SUST)

**SUST 512 Foundations of Sustainability 3 Hours**

Examination of the social, economic, and environmental principles of sustainability, with a focus on case studies at both local and global levels.

*Recent Term(s) Offered: None*

**SUST 514 Environmental Justice and Public Spaces 3 Hours**

An examination of environmental justice and place, including historical movements and case studies of the uses and misuses of public space and resources.

*Recent Term(s) Offered: None*

**SUST 517 Sustainable Places 3 Hours**

Examines key features and principles of sustainable places, including advantages of, challenges to, and the importance of governance in creating sustainable places (communities, cities, countries).

*Recent Term(s) Offered: None*

**SUST 518 Organizational Change for Sustainability 3 Hours**

An examination of approaches to organizational change for comprehensive sustainable performance, including analysis of institutional barriers and examples of successful change strategies.

*Recent Term(s) Offered: None*

## Teacher Leadership (TCHL)

**TCHL 500 Foundations of Teacher Leadership 3 Hours**

Survey course covering foundational concepts of leadership, especially as they relate to the role of teacher leaders in P-12 settings. Includes orientation assessments leading to individualized programs for students. Note: Admission to a master's or 5th year non-degree program that leads to advanced teacher preparation required.

*Recent Term(s) Offered: summer 2022; fall 2022; summer 2023; summer 2024; fall 2024*

**TCHL 520 Principles of Action Research for Teacher Leaders 3 Hours**

Principles of action research as it is applied to educational settings.

**Prerequisite(s):** TCHL 500 (may be taken concurrently)

**Restriction(s):** Enrollment is limited to students in Special Ed Initial Cert (0456), Middle Grades Ed: Initial Cert (0458), IECE, Birth-Age 5, Initial Cer (0460) or Teacher Educ: Initial Cert (0495)

*Recent Term(s) Offered: None*

**TCHL 530 Curriculum Development 3 Hours**

Study of curriculum design and evaluative techniques used by P-12 teachers. Covers research-based strategies for implementing integrated, differentiated curriculum. Students must have access to technology resources and/or equipment identified by instructor.

**Prerequisite(s):** TCHL 500 (may be taken concurrently)

*Recent Term(s) Offered: spring 2022; summer 2022; spring 2023; summer 2023; summer 2024*

**TCHL 540 Classroom Instruction: Instructional Strategies 1 Hour**

Examination of research-based best practices for designing and implementing classroom instruction in diverse P-12 classroom settings.

**Prerequisite(s):** TCHL 500 (may be taken concurrently)

*Recent Term(s) Offered: None*

**TCHL 544 Equitable School and Community Partnerships 1 Hour**

Study of school and community partnerships designed to build equitable schools for students and families resulting in increased student achievement.

**Prerequisite(s):** TCHL 500 (may be taken concurrently)

*Recent Term(s) Offered: None*

**TCHL 545 Classroom Instruction Strategies 3 Hours**

Examination of advanced classroom instructional strategies for designing and implementing classroom instruction in diverse P-12 classroom settings resulting in increased student achievement.

**Prerequisite(s):** TCHL 500 (may be taken concurrently)

*Recent Term(s) Offered: winter 2022; summer 2022; winter 2023; summer 2023; winter 2024; summer 2024*

**TCHL 548 Classroom Instruction: Managing the Learning Environment 1 Hour**

Study of classroom management principles and interventions.

**Prerequisite(s):** TCHL 500 (may be taken concurrently)

*Recent Term(s) Offered: None*

**TCHL 550 Student Assessment I: Fundamentals of Student Assessment 1 Hour**

Develops an understanding of validity, reliability, descriptive statistics, and professional aspects of evaluating students to improve student learning.

**Prerequisite(s):** TCHL 500 (may be taken concurrently)

*Recent Term(s) Offered: None*

**TCHL 554 Student Assessment II: Standardized Testing 1 Hour**

Examination of both national norm-referenced and state criterion-referenced tests and utilization of accountability data in planning for school improvement.

**Prerequisite(s):** TCHL 550 (may be taken concurrently)

*Recent Term(s) Offered: None*

**TCHL 555 School and Classroom Assessment 3 Hours**

Development of advanced skills for designing classroom assessments and analyzing school/classroom assessment data.

**Prerequisite(s):** TCHL 500 (may be taken concurrently)

*Recent Term(s) Offered: summer 2022; fall 2022; fall 2023; fall 2024*

**TCHL 558 Student Assessment III: Classroom Tests and Instruments 2 Hours**

Development of advanced skills for designing and creating classroom assessment instruments.

**Prerequisite(s):** TCHL 550 (may be taken concurrently)

*Recent Term(s) Offered: None*

**TCHL 559 Capstone Project Design for Teacher Leadership 1 Hour**

Fundamental principles of designing a teacher leadership project in educational settings. Students will create a prospectus for a capstone teacher leadership project in a school setting. Note: Completion of 18 hours required.

**Prerequisite(s):** TCHL 500

*Recent Term(s) Offered: winter 2022; spring 2022; summer 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

**TCHL 560 Capstone Project for Teacher Leadership 3 Hours**

Fundamental principles of teacher leadership in educational settings. Students will conduct a capstone teacher leadership project in a school setting. Note: Course should be taken after completing 21 hours.

**Prerequisite(s):** TCHL 559 and TCHL 555

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; spring 2024; fall 2024*

# Graduate Faculty Index

## Professor

- Heidi P. Alvarez DM (Music Performance), Florida State University, 1998  
 Shahnaz Aly MARCH (Architecture), Texas A & M University, 1999  
 Audrey L. Anton PhD, The Ohio State University Main Campus, 2011  
 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  
 Noah T. Ashley PhD (Zoology), University of Washington, 2004  
 Farhad Ashrafzadeh PhD (Electrical and Computer Engineering), The University of Calgary, 1997  
 Ferhan Atici PhD (Mathematics and Statistics), University of Nebraska-Lincoln, 1995  
 Mustafa Atici PhD (Computer Science), University of Nebraska, 1996  
 John K. Atkinson EdD (Adult, Higher, and Community Education, Information & Communication Sciences), Ball State University, 2007  
 Melanie A. Autin PhD (Statistics), University of South Carolina - Columbia, 2007  
 Gordon C. Baylis PhD (Neuroscience), University of Oxford, 1985  
 David J. Bell PhD (English and Comparative Literature), University of Cincinnati Main Campus, 2005  
 Mary P. Bennett DNS (Doctoral Nursing, Medical Nursing), Rush University, 1997  
 Kenneth W. Berry PhD (English), University of Mississippi, 2000  
 Tilak Bhattacharya PhD (Mathematics), Purdue University Main Campus, 1988  
 Ray Blankenship PhD (Business Administration- Management Information Systems), University of Mississippi, 1994  
 Kristi R. Branham PhD (English), University of Kentucky, 2006  
 Amy M. Brausch PhD (Psychology), Northern Illinois University, 2008  
 Jerald A. Brotzge PhD, University of Oklahoma Norman, 2000  
 Reagan D. Brown PhD (Psychology), Virginia Tech, 1997  
 Jeffrey L. Budziak PhD (Political Science), The Ohio State University Main Campus, 2011  
 Monica G. Burke PhD (Education, Educational Administration and Supervision), University of Southern Mississippi, 1997  
 Stuart C. Burris PhD (Chemistry), North Carolina State University, 1998  
 Paula W. Burt PhD (Business Administration), University of Kentucky, 1997  
 Mark E. Cambron PhD (Electrical Engineering), Vanderbilt University, 2001  
 Warren Campbell PhD (Civil Engineering), Colorado State University, 1984  
 Amy C. Cappiccio PhD (Social Work), University of Louisville, 2006  
 Michael T. Carini PhD (Astrophysics), Georgia State University, 1990  
 Yining Chen PhD (Business Administration), University of South Carolina - Columbia, 1993  
 Indudeep S. Chhachhi DBA (Business Administration), Southern Illinois University Carbondale, 1990  
 Miwon Choe PhD (Curriculum and Instruction), Indiana University-Bloomington, 2001  
 Mark D. Ciampa PhD (Tech Mgt (Digital Comm Systems)), Indiana State University, 2008  
 Ismail Civelek PhD (Operations Management and Manufacturing), Carnegie Mellon University, 2010  
 Eric D. Conte PhD (Chemistry), University of Massachusetts, 1993  
 Kenneth J. Crandall PhD (Exercise and Sport Science), University of Utah, 2004  
 Martha M. Day EdD (Administration & Supervision), Tennessee State University, 1998  
 Pitt Derryberry PhD (Educational Psychology), The University of Alabama, 2001  
 Marguerita K. Desander PhD (Ed Policy/Plan/Ldsp), College of William and Mary, 2005  
 Patricia L. Desrosiers PhD (Social Work), University of Louisville, 2009  
 Carl W. Dick PhD (Zoology), Texas Tech University, 2005  
 Vladimir Dobrokhotov PhD (Physics), University of Idaho, 2006  
 Anthony M. Doggett PhD (Education and Human Resource Studies), Colorado State University, 2003  
 Holli R. Drummond PhD (Sociology), University of Georgia, 2004  
 Lisa C. Duffin PhD (Educational Studies, Educational Psychology), Purdue University Main Campus, 2009  
 Marko Dumancic PhD (History), University of North Carolina Chapel Hill, 2010  
 Molly Dunkum PhD (Mathematics), University of Kentucky, 2005  
 Joshua D. Durkee PhD (Geography), University of Georgia, 2002  
 Marc V. Eagle PhD (History), Tulane University, 2005  
 A. G. Emslie PhD (Astronomy), University of Glasgow, 1979  
 Nikolai Endres PhD (Comparative Literature), University of North Carolina Chapel Hill, 2000  
 Xingang Fan PhD (Atmospheric Sciences, Synoptic Dynamics), Lanzhou University, 1996  
 Jane L. Fife PhD (English Rhetoric and Composition), University of Louisville, 1992  
 Lukas Forbes PhD (Business Administration), University of Kentucky, 2004  
 Wesley J. Gabbard PhD (Social Work), The University of Alabama, 2004  
 MD R. Gani PhD (Geosciences), University of Texas at Dallas, 2005  
 Nahid Gani PhD (Geosciences), University of Texas at Dallas, 2006  
 Becky A. Gilfillen PhD (Plant and Soil Science), University of Tennessee, Knoxville, 1999  
 Frederick G. Grieve PhD (Psychology, Clinical Psychology), University of Memphis, 1996  
 Margaret M. Gripshover PhD (Geography), University of Tennessee, Knoxville, 1995  
 Christopher G. Groves PhD (Environmental Science), University of Virginia, 1993  
 Scott A. Grubbs PhD (Biological Sciences, Ecology and Evolution), University of Pitts Pittsburgh Camp, 1997  
 Elizabeth D. Hall PhD (English), Middle Tennessee State University, 2014  
 Anthony A. Harkins PhD (History), University of Wisconsin-Madison, 1999  
 Douglas L. Harper PhD (Physics), Vanderbilt University, 1991  
 Scott H. Harris DMA (Music), University of Oklahoma Norman, 2003  
 Robert D. Hatfield PhD (Business), Indiana University-Bloomington, 1996  
 Darbi J. Haynes-Lawrence PhD (Special Education), Indiana University-Bloomington, 1998  
 Paul L. Hondorp DMA (Music Conducting), Michigan State University, 2003  
 Gary W. Houchens PhD (Educational Leadership & Organizational Development), University of Louisville, 2008  
 Sandra S. Hughes PhD (English), University of Georgia, 2003  
 Aaron W. Hughey EdD (Educational Administration), Northern Illinois University, 1988  
 Thomas C. Hunley PhD (Creative Writing), Florida State University, 2003  
 Stephen H. Huskey PhD (Biological Sciences), Florida Institute Technology, 2003  
 Jeanine M. Huss PhD (Environmental Science), Oklahoma State University Main Campus, 2007  
 Kumi Ishii PhD (Communication Studies), Kent State University Kent Campus, 2004

- Audra R. Jennings PhD (History), The Ohio State University Main Campus, 2008
- Angela M. Jerome PhD (Communication Studies), University of Kansas Main Campus, 2002
- Jarrett R. Johnson PhD (Biology), University of Missouri-Columbia, 2005
- Pamela M. Jukes EdD (Instruction and Administration), University of Kentucky, 1997
- Jeffrey P. Kash PhD (Political Science), University of Iowa, 2002
- Danita M. Kelley PhD (Nutritional Science), University of Kentucky, 1994
- Elizabeth H. Kelly DMA (Voice), University of Cincinnati Main Campus, 2008
- Molly B. Kerby PhD (Educational Leadership & Organizational Development), University of Louisville, 2007
- Mikhail Khenner PhD (Physico-Mathematical Sciences), Perm State University-Russia, 1999
- Hanna A. Khouryeh PhD (Food Science), Kansas State University, 2006
- Rodney A. King PhD (Microbiology and Immunology), Virginia Commonwealth University, 1993
- Alison L. Langdon PhD (English), University of Oregon, 2004
- Dominic A. Lanphier PhD (Mathematics), University of Minnesota-Twin Cities, 2000
- Grace K. Lartey PhD (Health Education), University of Toledo, 2006
- Scott J. Lasley PhD (Political Science), University of Iowa, 2000
- Alexander G. Lebedinsky PhD (Economics), Georgetown University, 2004
- William D. LeNoir PhD, Auburn University, 1992
- Qi Li PhD (Computer Science), University of Delaware, 2006
- Diane M. Lickenbrock PhD (Psychology), University of Notre Dame, 2010
- Ching-Yi Lin DM (Violin), Indiana University-Bloomington, 2010
- Yung L. Lo PhD (Finance), Florida State University, 2007
- Gretchen M. Macy EdD (Kinesiology and Health Promotion), University of Kentucky, 2012
- Kelly L. Madole PhD (Psychology), University of Texas at Austin, 1992
- Maria E. Main DNP (Nursing Practice), University of Kentucky, 2010
- Gayle M. Mallinger PhD (Social Work), University of Pitts Pittsburgh Camp, 2010
- Osama E. Mansour PhD (Environmental Design), The University of Calgary, 2015
- Hope L. Marchionda PhD (Curriculum and Instruction), Clemson University, 2006
- Sean R. Marston PhD (Business Administration, Information Systems and Operation), University of Florida, 2010
- Craig A. Martin PhD (Business Administration, Marketing), University of Memphis, 1999
- Cynthia P. Mason EdD (Instruction and Administration), University of Kentucky, 1996
- Michael T. May PhD (Geological Sciences), Indiana University-Bloomington, 1992
- Douglas McElroy PhD (Zoology), University of Maine - Orono, 1992
- Kathryn J. Melancon PhD (Business Administration, Marketing), University of Mississippi, 2007
- Andrew S. Mienaltowski PhD (Psychology), Georgia Institute of Tech, 2008
- Jennifer Mize Smith PhD (Communication), Purdue University Main Campus, 2006
- William N. Mkanta PhD (Health Services Research), University of Florida, 2005
- Matthew J. Nee PhD (Chemistry), University of California-Berkeley, 2005
- Ngoc B. Nguyen PhD (Mathematics), Bowling Green State University, 2010
- Thanh L. Nguyen PhD (Mathematics), Ohio University Main Campus, 2002
- Elizabeth S. Norris PhD (Health Sciences), Seton Hall University, 2003
- Andrea Paganelli PhD (Instructional Leadership), The University of Alabama, 2010
- Shane M. Palmquist PhD (Civil and Environmental Engineering), Tufts University, 2003
- Holly J. Payne PhD (Communication), University of Kentucky, 2003
- Whitney O. Peake PhD (Agricultural Economics), Purdue University Main Campus, 2008
- Lester L. Pesterfield PhD (Chemistry), University of Tennessee, Knoxville, 1991
- Thomas K. Philips PhD (Entomology), The Ohio State University Main Campus, 1997
- Raymond A. Poff PhD (Leisure Behavior), Indiana University-Bloomington, 2001
- Jason Polk PhD (Geography and Environmental Science and Policy), University of South Florida, 2009
- Alexander B. Poole PhD (English), Oklahoma State University Main Campus, 2003
- Merrall Price PhD (English), University of Rochester, 1998
- Kelly L. Reames PhD (English), University of North Carolina Chapel Hill, 2002
- Jenni L. Redifer PhD (Educational Psychology), University of Florida, 2012
- Eric S. Reed PhD (History), Syracuse University Main Campus, 2001
- Thomas A. Richmond PhD (Mathematics), Washington State University, 1986
- Julia L. Roberts EdD, Oklahoma State University Main Campus, 1970
- Mark P. Robinson PhD (Mathematics), University of Kentucky, 1991
- Jill Duba Sauerheber PhD (Counseling & Human Development Services), Kent State University Kent Campus, 2004
- Mark A. Schafer PhD (Health and Physical Activity, Exercise Physio Clin Res Trac), University of Pitts Pittsburgh Camp, 2007
- Gary T. Schallert DA (Music, Conducting), University of Northern Colorado, 2001
- Bruce A. Schulte PhD (Environmental and Forest Biology), SUNY Col Envrmntl Sci-Forestry, 1993
- Michael J. Seidler PhD (Philosophy), Saint Louis University, 1981
- Matthew C. Shake PhD (Educational Psychology), University of Illinois at Urbana-Champa, 2009
- Douglas C. Smith PhD (Sociology), PA State University Main Campus, 1996
- Michael E. Smith PhD (Marine Science), University of Texas at Austin, 2001
- Michael S. Spiller PhD (Human Resources Management), The University of Alabama, 1999
- Ajay Srivastava PhD (Molecular Biology and Genetics), University of Alberta, 2003
- Melissa A. Stewart PhD (Hispanic & Italian Studies), Johns Hopkins University, 1992
- Rebecca R. Stobaugh PhD (Educational Administration), University of Louisville, 2003
- Michael K. Stokes PhD (Biology, Systematics and Ecology), University of Kansas Main Campus, 1994
- Lizbeth P. Sturgeon PhD (Nursing), University of Kentucky, 2012
- Dana J. Sullivan PhD (Social Work), University of Louisville, 2003
- Janet L. Tassell PhD (Curriculum & Instruction), Indiana University-Bloomington, 2002
- Ritchie D. Taylor PhD (Environmental Science), University of North Texas, 2002
- Patricia R. Todd DBA (Business Administration), Cleveland State University, 2006
- Joel F. Turner PhD (Political Science), Florida State University, 2007
- Huanjing Wang PhD (Computer Science), The University of Alabama, 2005
- Cathleen J. Webb PhD (Chemistry), University of Washington, 1989

Robert K. Welsh PhD (Clinical Psychology), Biola University, 1999  
 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  
 Travis K. Wilson MARCH (Architecture), University of Oklahoma Norman, 1998  
 Steven R. Wininger PhD (Educational Psychology, Sports Psychology), Florida State University, 1998  
 Paul B. Woosley PhD (Crop Science), University of Kentucky, 2002  
 Dawn G. Wright PhD (Nursing Science), Vanderbilt University, 2008  
 Zhonghang Xia PhD (Computer Science), University of Texas at Dallas, 2004  
 Guangming Xing PhD (Computer Science), University of Georgia, 2001  
 Bangbo Yan PhD (Chemistry), Nanyang University, 2003  
 Jun Yan PhD (Geography), SUNY College at Buffalo, 2004  
 Rui Zhang PhD (Chemistry), University of Hong Kong, 2001  
 Qin Zhao PhD (Educational Psychology), University of Florida, 2008  
 Lily P. Zhuhadar PhD (Computer Science and Engineering), University of Louisville, 2009  
 David M. Zimmer PhD (Economics), Indiana University-Bloomington, 2004

### **Associate Professor**

Mohsen Aram PhD (Business Administration, Finance), Oklahoma State University Main Campus, 2016  
 Lester A. Archer PhD (Educ Leadership/Research), Louisiana State University & A&M College, 2017  
 Scott W. Arnett PhD (Exercise Science), University of Georgia, 2007  
 Simran Banga PhD (Biological Sciences), Purdue University Main Campus, 2009  
 Jason M. Bergner PhD (Business Administration), University of Kentucky, 2011  
 Stacy R. Bibelhauser PhD (Business Administration), University of Kentucky, 2004  
 Christopher J. Biolsi PhD (Economics), University of Houston, 2015  
 Maire M. Blankenship DNP (Nursing), Western Kentucky University, 2014  
 Sarah E. Bonis PhD (School Psychology), University of Houston, 2017  
 Tonya M. Bragg-Underwood DNP (Nursing Practice, MSN to DNP), Western Kentucky University, 2014  
 Dorothea Browder PhD (History, Distributed), University of Wisconsin-Madison, 2008  
 Katherine E. Brown PhD (History), University of Virginia, 2015  
 Katrina A. Burch PhD (Industrial/Organizational Psychology), University of Connecticut, 2018  
 Jacob P. Byl PhD (Law and Economics), Vanderbilt University, 2015  
 Ingrid A. Cartwright PhD (Art History), University of Maryland College Park, 2007  
 Daniel L. Clark PhD (Mathematics Education), Michigan State University, 2016  
 Thaddeus R. Crews PhD (Computer Science), Vanderbilt University, 1995  
 Robert L. Dietle PhD (History), Yale University, 1991  
 Xiuhua Ding PhD (Epidemiology and Biostatistics), University of Kentucky, 2016  
 Kanita K. DuCloux PhD (Mathematics Education), University of Georgia, 2009  
 Loretta T. Dye PhD (Counselor Education), Western Michigan University, 2012  
 Gregory E. Ellis-Griffith PhD (Administration/Health Services), University of Alabama at Birmingham, 2010  
 Ann E. Embry PhD (Hospitality Management), Iowa State University, 2017  
 Ali Er PhD (Physics), Old Dominion University, 2011

Kimberlee K. Everson PhD (Educ Inquiry, Measurement, & Evaluation), Brigham Young University, 2012  
 Ann K. Ferrell PhD (English), The Ohio State University Main Campus, 2009  
 Nicholas J. Fessler PhD (Business), Indiana University-Bloomington, 1999  
 Jessica L. Folk MFA (Screenwriting), Chapman University, 2014  
 Stacey A. Forsythe EdD (Educational Leadership), Western Kentucky University, 2015  
 Nicholas C. Fortune PhD (Mathematics Education), North Carolina State University, 2018  
 Jeffrey M. Galloway PhD (Computer Science), The University of Alabama, 2013  
 Kimberly J. Green EdD (Educational Leadership, Postsecondary Leadership), Western Kentucky University, 2015  
 Austin G. Griffiths PhD (Social Work), University of Kentucky, 2017  
 Jean D. Gumirakiza PhD (Economics), Utah State University, 2013  
 Lance W. Hahn PhD (Psychology), University of Texas at Austin, 1994  
 Kirolos M. Haleem Mesiha PhD (Civil Engineering), University of Central Florida, 2009  
 Kara S. Haightigan DNP (Nursing Practice), Western Kentucky University, 2016  
 Penny L. Head PhD (Orthopedic & Sports Science), Rocky Mtn University of Health Profe, 2019  
 Matthew J. Herman DMA (Music Composition), Temple University, 2003  
 Lawrence J. Hill PhD (Chemistry), University of Arizona, 2014  
 Jean-Luc Houle PhD (Anthropology, Archeology), University of Pitts Pittsburgh Camp, 2010  
 Sonya L. House EdD (Education Leadership), Western Kentucky University, 2013  
 Kathryn A. Hudepohl PhD (Anthropology), Tulane University, 2002  
 Nancy F. Hulan PhD (Curriculum and Instruction), University of Louisville, 2010  
 Angela L. Jones PhD (English), University of Kansas Main Campus, 2001  
 Guy D. Jordan PhD (Art History), University of Maryland College Park, 2007  
 Tricia A. Jordan PhD, University of Louisville, 2009  
 Susan Keeseey PhD (Physical Activity and Education Services), The Ohio State University Main Campus, 2012  
 Moon-Soo Kim PhD (Food Science and Technology), Cornell University, 2007  
 Stephen A. King PhD (Agricultural Economics), Oklahoma State University Main Campus, 2004  
 Thomas W. Kingery PhD (Agricultural Leadership, Education, & Communications), Texas A & M University, 2010  
 Gillian B. Knoll PhD, University of Maryland College Park, 2012  
 Eric Kondratieff PhD (Ancient History), University of Pennsylvania, 2003  
 Jie-Young Kong PhD (Communication), Arizona State University-ALL, 2012  
 Amy C. Krull PhD (Sociology & Anthropology), Purdue University Main Campus, 2000  
 Minwoo Lee PhD (Business Administration), University of Pitts Pittsburgh Camp, 1993  
 Stacy R. Leggett EdD (Educational Administration), George Washington University, 2015  
 Juan S. Leguizamon PhD (Economics), West Virginia University, 2011  
 Susane Leguizamon PhD (Economics), West Virginia University, 2010  
 Sonia E. Lenk PhD (Hispanic Language and Literature), University of Pitts Pittsburgh Camp, 2007  
 Katherine J. Lennard PhD (American Culture Studies), University of Michigan-Ann Arbor, 2017  
 Feng Helen Liang PhD (Business Administration), University of California-Berkeley, 2006



- Philip W. Lienesch PhD (Zoology), University of Oklahoma Norman, 1997  
 Stephen L. Locke PhD (Economics), University of Kentucky, 2013  
 Zachary A. Lopes DMA (Piano), University of Cincinnati Main Campus, 2013  
 Jeremy B. Maddox PhD (Chemistry), University of Houston, 2003  
 Erin E. Margarella PhD (Curriculum and Instruction), University of South Florida, 2016  
 Karen G. Mason PhD (Nutritional Science), University of Kentucky, 2002  
 Jeffrey D. Miner PhD (History), Stanford University, 2011  
 Julia A. Mittelberg PhD (Curriculum and Instruction), Kansas State University, 2014  
 Yaser A. Mowafi PhD (Information Systems), University of Maryland Baltimore Co, 2009  
 Samangi Munasinghe PhD (Mathematics), Texas A & M University, 2006  
 Kurt R. Neely PhD (Education), University of Kansas Medical Center, 2002  
 Christina R. Noel PhD (Special Education), Vanderbilt University, 2013  
 Leslie A. North PhD (Geography and Environmental Science and Policy), University of South Florida, 2011  
 Ivan S. Novikov PhD (Mathematics, Physics), St. Petersburg State U-Russia, 2000  
 Morteza Nurcheshmeh PhD (Mechanical Engineering), University of Windsor, 2011  
 Alexander I. Olson PhD (American Studies), University of Michigan-Ann Arbor, 2013  
 Fatemeh Orooji PhD (Engineering Science, Construction Management), Louisiana State University & A&M College, 2015  
 Peggy D. Otto PhD (English Rhetoric & Composition), University of Louisville, 2009  
 Ahmet O. Ozer PhD (Applied Mathematics), Iowa State University, 2011  
 Kenneth D. Payne MA (Journalism), Marshall University, 1992  
 Heather M. Payne-Emerson PhD (Nutritional Science), University of Kentucky, 2010  
 Attila Por PhD (Mathematics), Eotvos Lorand University-Hungary, 2003  
 Michelle C. Reece PhD (Public Health), East Tennessee State University, 2014  
 Lawrence D. Rigby PhD (English), University of Missouri-Columbia, 2000  
 Andrew J. Rosa PhD (Afro-American Studies), University of Massachusetts, 2005  
 Mark T. Ross PhD (Business Administration, Finance), University of Arizona, 1996  
 Marilee D. Salvator MFA (Art Studio), University of New Mexico Main Campus, 2004  
 Edrisa Sanyang PhD (Occupational & Environmental Health (Industrial Hygiene)), University of Iowa, 2016  
 Richard C. Schugart PhD (Applied Mathematics), North Carolina State University, 2005  
 William M. Simpson MA (Art), Marshall University, 1982  
 Kandy C. Smith PhD (Education, Teacher Education), University of Tennessee, Knoxville, 2014  
 Qingfang Song PhD (Developmental Psychology), Cornell University, 2016  
 Brian A. St John DMA (Conducting), Arizona State University-ALL, 2010  
 Trini G. Stickle PhD (English), University of Wisconsin-Madison, 2015  
 Thomas B. Stinnett PhD (Educational Leadership and Organizational Development), University of Louisville, 2013  
 Martin J. Stone PhD (Agronomy), Texas A & M University, 1994  
 Whitley J. Stone PhD (Health Sciences), Middle Tennessee State University, 2017  
 William D. Strunk PhD, University of Arkansas Main Campus, 2015  
 Jenni B. Teeters PhD (Psychology), University of Memphis, 2017  
 Rachel A. Tinius PhD (Movement Science), Washington University, 2015  
 Natalie C. Tyree MFA (Graphic Design), Indiana State University, 2013  
 Paula A. Upright PhD (Educational Leadership & Organizational Development), University of Louisville, 2009  
 Tamara Van Dyken PhD (History), University of Notre Dame, 2009  
 Adam R. West PhD (Human Development and Family Science), University of Texas at Austin, 2013  
 Lauren E. Whitham DMA (Music), University of Georgia, 2017  
 Aaron L. Wichman PhD (Psychology), The Ohio State University Main Campus, 2005  
 Catherine M. Wilson PhD (Music), University of Iowa, 2013  
 Matthew J. Woodward PhD (Psychology), University of Memphis, 2017  
 Rong Yang PhD (Computer Science and Engineering), University of Louisville, 2007  
 Mariah D. Yates PhD (Business Administration), University of Cincinnati Main Campus, 2018  
 Sonia N. Young EdD (Educational Leadership), University of the Cumberlands, 2013  
 Lukun Zheng PhD (Applied Mathematics), University North Carolina Charlotte, 2015  
 Marla K. Zubeil PhD (Comparative Literature), University of Minnesota-Twin Cities, 2017
- Assistant Professor**
- Golnaz Baradaran Motie PhD (Business & Economics), West Virginia University, 2018  
 David L. Bell DPT (Physical Therapy), University of Kentucky, 2012  
 Zachary S. Bettersworth PhD (Mathematics Education), Arizona State University-ALL, 2023  
 Tanja N. Bibbs PhD, University of Kentucky, 2019  
 Daniel A. Boamah PhD (Social Work), University of Louisville, 2020  
 Nicholas L. Brake PhD (Educational Administration), University of Louisville, 2003  
 Jenny M. Burton PhD (Communication Disorders and Sciences), University of Cincinnati Main Campus, 2019  
 Ellen G. Casale PhD (Special Education), Vanderbilt University, 2021  
 William W. Cottongim EdD (Educational Leadership), Western Kentucky University, 2012  
 William A. Czekanski PhD (Physical Activity and Education Services), The Ohio State University Main Campus, 2012  
 Crystal D. Daugherty PhD (Communication), University of Memphis, 2019  
 Nancy W. Dinan PhD (English), Texas Tech University, 2020  
 Michelle R. Durham PhD (Psychology), North Dakota St University Main Campus, 2020  
 Gihan S. Edirisinghe PhD (Business Administration), Washington State University, 2019  
 Amy E. Engelhoven PhD (Communication Disorders and Sciences), University of Arkansas Main Campus, 2016  
 Ashley C. Fox PhD (Educational Leadership and Organizational Development), University of Louisville, 2010  
 Kara E. Glenn MFA (Fine Arts), Full Sail Real World Education, 2019  
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