2021 - 2022
GRADUATE CATALOG

WKU

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THE GRADUATE SCHOOL AT WKU

Dr. Ranjit T. Koodali, Associate Provost for Research and Graduate Education
www.wku.edu/graduate (http://www.wku.edu/graduate/)
graduate.school@wku.edu
1906 College Heights Blvd. #11010
Wetherby Administration Bldg. 207
Bowling Green, KY 42101-1010
(270) 745-2446

The Graduate School 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 1.0003 (https://www.wku.edu/policies/docs/263.pdf)) which must be followed and met before a credential is awarded. The Associate Provost for Research and Graduate Education is charged with the administration of Graduate School policies and certifies that candidates have fulfilled their requirements for advanced degrees and certificates. The Associate Provost for Research and Graduate Education 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 Policy are considered by the Associate Provost for Research and Graduate Education.

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/).

The University

Welcome to Western Kentucky University (http://www.wku.edu/) (WKU), home of the Hilltoppers! Our hilltop campus is a place of beauty and friendliness. It embraces a proud heritage and a bold, ambitious future. WKU is located in Bowling Green, Kentucky, a city with a population of more than 60,000 approximately 110 miles south of Louisville and 65 miles north of Nashville. As a distinctive landmark on a hill overlooking the city, the WKU campus commands an impressive view of the Barren River Valley and is acclaimed as one of the most beautiful campuses in the nation. In addition to main campus (http://www.wku.edu/tour/), WKU has locations at South Campus, the Center for Research and Development, the Medical Center at Bowling Green, and the University Farm. Outside of Bowling Green, there are Regional Campuses in Glasgow, Owensboro, and Elizabethtown-Fort Knox.

The Graduate School (http://www.wku.edu/graduate/) at WKU offers graduate education in 89 degree and certificate programs. The University confers the Master of Accountancy, Master of Arts, Master of Arts in Education, Master of Arts in Teaching, Master of Business Administration, Master of Fine Arts, Master of Health Administration, Master of Music, Master of Public Administration, Master of Public Health, Master of Science, Master of Science in Nursing, Master of Social Work, Specialist in Education, Doctor of Education, Doctor of Nursing Practice, Doctor of Physical Therapy, and Doctor of Psychology. WKU also offers non-degree Rank I and II and certification-only teacher education programs. The Undergraduate Catalog (http://catalog.wku.edu/undergraduate/) provides information regarding baccalaureate degrees, associates 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 to be the site of one, and the Western Kentucky State Normal School was created. The new state-supported school took over the building and student body of the privately owned Southern Normal School. The owner of the Southern Normal School, Henry Hardin Cherry, had been actively involved in the campaign to establish teacher training schools and became the institution's first president. Classes began on January 22, 1907.

On February 4, 1911 the school moved to its present site on "the Hill," approximately 125 feet above downtown Bowling Green and formerly the site of the Pleasant J. 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 expand. The College of Health and Human Services was established in 2002, and the Division of Extended Learning and Outreach launched in 2003. In 2008, the WKU Board of Regents approved the creation and development of a fully-independent Honors College at WKU. In 2011 the first doctoral degrees were awarded through the College of Education and Behavioral Sciences. In 2011 and 2013 two new professional practice doctoral degrees, the Doctor of Nursing Practice and the Doctor of Physical Therapy, were established, and in 2015 the Doctor of Psychology was added.

WKU's academic colleges are:

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

As a leading American university with international reach, 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 masters 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.

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

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

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

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

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

WKU 2018-2028 Strategic Plan: Climbing to Greater Heights

Climbing to Greater Heights: The 2018-2028 Strategic Plan for Western Kentucky University is a carefully defined roadmap that will guide the University through the next decade. 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. We invite you to climb with us.

Leadership & Governance
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Dr. Timothy C. Caboni

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Ms. Linda G. Ball
Mr. David S. Brinkley, Secretary
Ms. Julie Harris Hinson
Mr. Jason L. McKinney, Vice Chair
Mr. W. Currie Milliken
Mr. George Nichols III
Dr. Shane Spiller
Ms. Doris Thomas
Ms. Jan M. West
Mr. Matthew Wininger

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Dr. Robert U. Fischer, Jr., Provost and Vice President for Academic Affairs
Ms. Susan Howarth, Executive Vice President for Strategy, Operations, and Finance
Dr. Molly Kerby, Chief Diversity Officer, Assistant Provost for Institutional Effectiveness
Dr. Ranjit Koodali, Associate Provost for Research and Graduate Education
Dr. Ethan Logan, Vice President for Enrollment and Student Experience
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Ms. Amanda Trabue, Vice President for Philanthropy and Alumni Engagement

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Dr. Tania Basta, College of Health and Human Services
Dr. Terrance D. Brown, Potter College of Arts & Letters
Ms. Susann deVries, University Libraries
Dr. Corinne Murphy, College of Education and Behavioral Sciences
Dr. Christopher Shook, Gordon Ford College of Business

College Heights Foundation Board of Directors
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Dr. Donald Smith, President of the College Heights Foundation

Graduate Faculty
WKU Graduate Faculty (p. 262) 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 head 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 Associate Provost for Research and Graduate Education for approval. Second, membership may be granted to current faculty members via a recommendation by the faculty member's department head or program director/coordinator. The College Dean must review the recommendation, (dis)approve, and forward to the Associate Provost for Research and Graduate Education 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 heads, 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)

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

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

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

Art: National Association of Schools of Art and Design (https://nasad.arts-accredit.org/) (NASAD) Commission on Accreditation (AB in

Art History, AB in Visual Studies (Art Ed and Studio concentrations); and BFA in Visual Arts (Graphic Design and Studio concentrations))

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

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

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

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

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

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

Dietetics: Accreditation Council for Education in Nutrition and Dietetics (https://www.eatrightpro.org/acend/accredited-programs/accredited-programs-directory/) (ACEND) (Dietetic Internship)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Speech-Language Pathology: Council on Academic Accreditation in Audiology and Speech-Language Pathology (https://www.asha.org/about/governance/committees/committees/council-on-academic-accreditation-in-audiology-and-speech-language-pathology/) (CAA) (MS)

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

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:

Jennifer Hammonds, University Registrar (registrar@wku.edu)
238 Potter Hall
(270) 745-5030

Statement of Compliance

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

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

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

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

Ms. Deborah Wilkins (deborah.wilkins@wku.edu)
Title IX Coordinator / Senior Advisor
Wetherby Administrative Center, Suite 101
1906 College Heights Blvd. #11001
Bowling Green, KY 42101-1001
(270) 745-5398

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

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

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

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

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

Inquiries about alleged discrimination may also be made directly to:

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

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

or

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

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

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. Specific information about winter and summer terms is available through the Division of Extended Learning and Outreach (http://www.wku.edu/delo/) (DELO).

Fall Semester 2021

Classes Begin (Full-Term, First Bi-Term, 5-Week Session 1)	Monday, August 23
Labor Day (university closed)	Monday, September 6
5-Week Session 1 Ends	Friday, September 24
5-Week Session 2 Begins	Monday, September 27
1st Bi-Term Finals	Thursday-Friday, October 7-8
Fall Break	Thursday-Friday, October 14-15
2nd Bi-Term Begins	Wednesday, October 20
5-Week Session 2 Ends	Friday, October 29
5-Week Session 3 Begins	Wednesday, November 3
Thanksgiving Holiday (University closed)	Wednesday-Friday, November 24-26
Final Examinations	Monday-Friday, December 6-10
2nd Bi-Term Finals	Thursday-Friday, December 9-10
5-Week Session 3 Ends	Friday, December 10
College Recognition Ceremonies	Saturday, December 11
Final Grades Due (noon)	Tuesday, December 14

Winter Term 2022

3-Week and 5-Week Sessions Begin	Monday, December 13
Winter Break (University closed-Winter Session Classes in Session)	December 20-January 2
No Classes	Friday, December 24
3-Week Classes End	Thursday, December 31
2-Week Classes Begin	Monday, January 3
2-Week and 5-Week Classes End	Saturday, January 15
Martin Luther King Jr. Day (university closed)	Monday, January 17
Final Grades Due (noon)	Tuesday, January 18

Spring Semester 2022

Classes Begin (Full-Term, First Bi-Term, 5-Week Session 1)	Tuesday, January 18
5-Week Session 1 Ends	Friday, February 18
5-Week Session 2 Begins	Monday, February 21
1st Bi-Term Finals	Thursday-Friday, March 3-4
Spring Break	Monday-Friday, March 14-18
2nd Bi-Term Begins	Monday, March 21
5-Week Session 2 Ends	Friday, April 1
5-Week Session 3 Begins	Monday, April 4
Final Examinations	Monday-Friday, May 2-6
5 Week Session 3 and 2nd Bi-Term Ends	Friday, May 6
Commencement	Friday, May 6
College Recognition Ceremonies	Saturday, May 7
Final Grades Due (noon)	Tuesday, May 10

Summer Term 2022

May Sessions	
Classes Begin	Monday, May 9
Memorial Day (University closed)	Monday, May 30
June I Sessions	
Classes Begin	Tuesday, May 31
June II Sessions	
Classes Begin	Monday, June 6
July I Sessions	
Independence Day observed (University closed)	Monday, July 4
Classes Begin	Tuesday, July 5
July II Sessions	
Classes Begin	Monday, July 11
Summer Term Ends	Thursday, August 4

Admission to Graduate School

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 the Graduate School is based on a recommendation from the graduate program. Final admission decisions are made by the Graduate School. Application to the Graduate School is required before program admission can be considered.

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

The Graduate School 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 the Graduate School as part of the application.

(Approved by Graduate Council 11/13/14)

Admission Decision

The Graduate School 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 Associate Provost for Research and Graduate Education 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 the Graduate School 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 School. 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 Associate Provost for Research and Graduate Education.

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.

The Graduate School provides application fee waiver codes to the United States military personnel: Active Duty, Veterans, Spouses, and Dependents. Please contact The Graduate School (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 the Graduate School at WKU prior to enrollment.

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 on a graduate Program of Study 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 on a graduate Program of Study 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 on a graduate Program of Study 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 school admission criteria shall apply to all graduate certificate programs. Individual programs may enact additional requirements.

- Graduate School 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 School. 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 the Graduate School.

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 the Graduate School 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 Associate Provost for Research and Graduate Education for consideration of readmission. An academically dismissed student who wishes to be readmitted to Graduate School 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 programs (http://catalog.wku.edu/graduate/programsoffered/#filter=filter_47) provide academically outstanding students the opportunity to complete both an undergraduate and graduate degree in approximately five years. Qualified students who have been admitted to a JUMP program may complete a maximum of 18 graduate hours as an undergraduate student and count a maximum of 12 hours on both the undergraduate and graduate transcript as prescribed by the program. Students must apply to Graduate School upon or before earning more than 18 graduate hours or upon earning their Bachelor's degree. Each JUMP program has individualized admission criteria.

Undergraduate Student Enrollment in Graduate Courses
Undergraduate students at Western Kentucky University may request to enroll in graduate courses by submitting an "Undergraduate Taking Graduate Courses" form to the Graduate School. Conditions for approval include:

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

Undergraduate students may accumulate a maximum of 12 graduate credits. In addition, undergraduate students are restricted to a maximum of 15 hours enrollment per term, including graduate and undergraduate credits. All graduate coursework will be on the graduate transcript. To move the coursework to the undergraduate transcript students should contact the Office of the Registrar. (Approved by Graduate Council 12/10/15)

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 matriculation following their approved (paper) program of study.

Curriculum exceptions approved by the advisor, department head or graduate program coordinator, and college dean will be considered by the Associate Provost for Research and Graduate Education.

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).

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 the Graduate School.

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)

Experiential Learning Credit

WKU does not provide graduate credit for experiential learning, credit by exam, or professional certificates unless programs (degree and non-degree) specifically seek approval through the Graduate Council and have ensured that such credit is consistent with the WKU mission, that the learning outcomes are at the graduate level, and that the credit is comparable to other WKU graduate courses.

(Approved by Graduate Council 2/14/13)

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)

Registration

Dr. Jennifer Hammonds, University Registrar
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) 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. 22) 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."

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 head, 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 head, 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).

Administrative Withdrawal

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

Medical Withdrawal

A student may request and be considered for a medical withdrawal from all courses in a term when extraordinary circumstances, such as a serious physical or mental illness or injury, prevent the student from continuing his or her classes after the 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 the Bursar's Office.

Military Withdrawal

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

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

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 the Graduate School.

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 Associate Provost for Research and Graduate Education.

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 the Graduate School. 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 the Graduate School 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 the Graduate School. 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. The Graduate School 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 <u>and</u> program GPA of 3.0;
3. published a thesis, specialist project, or dissertation approved by the Graduate School (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) (Student Services/Student Records/Unofficial Academic Transcript). Degrees and certificates will be mailed within 3-6 weeks after the conclusion of the term. The Graduate School does not confirm degree or certificate completion prior to award; however, enrollment verification (http://www.wku.edu/registrar/enrollment_verification.php) may be requested.

Financial Information

Tuition & Fees

www.wku.edu/bursar (http://www.wku.edu/bursar/)
billings.receivables@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[1]	Cost Per Credit Hour[1]
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
Distance Learning (Excluding Ky Educator, 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		$607
Doctor of Psychology, Military Veteran/ Dependent Resident		$607
Doctor of Psychology, Non-Resident (Domestic)		$917
Doctor of Psychology, Non-Resident (International)		$953

[1]   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, $202 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

WKU Office of Billings & Receivables (https://www.wku.edu/bursar/)
billings.receivables@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 Billings and Receivables. Payment of fees will not be deferred, unless the student participates in one of the approved payment plans as described below.

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

The University expects all students to register for classes and pay tuition prior to the first day of class. A late payment charge of $100 may be assessed for failure to pay by the designated due date. **Failure to receive a bill does not relieve the student of the obligation to pay tuition and fees by the due date.** The University does not mail printed billing statements. All billing is electronic with students receiving notifications through their university-assigned e-mail addresses. As an added service, students can also select a billing e-mail address via TopNet so they can have their account statements sent to an additional e-mail address.

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

Payment Options

Careful financial planning is crucial to affording college today. Western Kentucky University knows the importance of providing options that will help conveniently manage education expenses. If you need additional assistance or wish to contact the University about payment options, please email or call the WKU Billings and Receivables Office (billings.receivables@wku.edu), (270) 745-6381. Additional information is located at wku.edu/bursar (http://www.wku.edu/bursar/).

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

Payment using cash, check or money order.

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

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) and select the student Services tab, Pay Tuition and Fees, Pay Now.
- Pay online at wku.edu/bursar (https://www.wku.edu/bursar/) and select "Make a Payment Online'.
- Visa®, MasterCard®, Discover® and American Express® are accepted.
- If you choose to use a credit card, a fully disclosed processing free of approximately 2.75% of the amount of payment will apply. (Fee covers administrative expenses and is not shared with WKU.)
- Free electronic debit from checking or savings is available.
- Because of high service and processing costs, the Billings and Receivables Office at WKU does not accept credit cards as a method

to pay student account charges such as tuition, fees, room and board. We believe the savings realized by the University can be better utilized for academic endeavors. Credit cards will continue to be accepted at campus locations other than the Billings and Receivables Office.

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 2021 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 2022 semester**, we will offer the following interest-free payment plans.

5-pay – Payments due November 1, December 1, January 1, February 1, and March 1.
4-pay – Payments due December 1, January 1, February 1, and March 1.
3-pay – Payments due January 1, February 1, and March 1.
2-day – Payments due February 1 and March 1.

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

Depository (Drop Box)

Your payment may be placed in one of our two depository boxes. During regular business hours, you may place your payment in the depository box located next to the Billings Office payment window on the 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
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/bursar/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/), 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), (270) 745-5551.

Graduate Assistantships

www.wku.edu/graduate/aid (http://www.wku.edu/graduate/aid/)
graduate.school@wku.edu
The Graduate School
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) – A Graduate Assistant Instructor supports the teaching mission of the unit in a more advanced capacity than a teaching assistant by serving as instructor of record for a lower division course or courses (numbered 100-299). (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. (See Academic Affairs Policy 1.3070 (https://www.wku.edu/policies/docs/?policy=39))

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 six credits during each semester they receive an assistantship unless they are in the final semester of their degree program. (Enrollment in six 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 head, and the academic department head (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 the Graduate School by deadline dates posted on the Graduate School 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 heads 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 Associate Provost for Research and Graduate Education 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 the Graduate School. 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 the Graduate School, 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 head, the appropriate college dean, and finally to the Associate Provost for Research and Graduate Education.
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 head, the departmental graduate advisor, the college dean, and the Associate Provost for Research and Graduate Education 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 Associate Provost for Research and Graduate Education no later than two weeks prior to termination.
7. The graduate assistant is invited to submit to the department head 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 the Graduate School 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.

Distinguished Minority Fellows Award

WKU is committed to assisting individuals from underrepresented minority groups in obtaining their higher education goals. The Distinguished Minority Fellows Award is designed to help minority students attain graduate degrees by providing tuition support and a stipend through a graduate assistantship. Applications are accepted once annually in the spring for admission in the following fall semester.

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 the Graduate School 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. Dennis George, Associate Dean
2038 Gary A. Ransdell Hall
(270) 745-4662
cebs@lists.wku.edu
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. English/Allied Language Arts Education (Grades 8-12)
8. French Education (Grades P-12)
9. German Education (Grades P-12)

10. Mathematics Education (Grades 8-12)
11. 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)
12. Social Studies Education (Grades 8-12)
13. Spanish Education (Grades P-12)
14. 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/) 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 Principal Certification and Alternate Route to Superintendent Certification programs. Further information about these programs may be found in the departmental section for the Department of Educational Administration, Leadership, and Research.

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/). 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 head 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 head.

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 the Graduate School. 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/).

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.

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.

Departments and Programs

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 Head
Gary A. Ransdell Hall 2011
(270) 745-4799

Programs

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

Andrea K. Jenkins PhD (Counseling), Old Dominion University, 2015

Addictions Education, Certificate (0492)

Program Coordinator

Andrea K. Jenkins, andrea.jenkins@wku.edu, (270) 745-4786

This 15-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 (15 hours)

Code	Title	Hours
Required Courses		
CNS 637	Theories of Addictions	3
CNS 647	Addictions: Assessment, Diagnosis and Treatment Planning	3
CNS 667	Counseling Substance and Process Addictions	3
Electives		
Two courses related to the program content and approved by certificate advisor.		6
Total Hours		**15**

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

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
Required Courses		
CNS 593	Career Development in Student Affairs and Higher Education	3
CNS 675	Advanced Career Counseling and Services Administration	3
CNS 595	Testing Internship	3
Electives		
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	
Total Hours		**15**

Certification Only, Counseling (159)

Program Coordinator

Cynthia P. Mason, 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 School Admission

Please refer to the admission section (http://catalog.wku.edu/graduate/admission/) of this catalog for Graduate School 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	Family Counseling Techniques	3
CNS 637	Theories of Addictions	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		
Required Courses		
CNS 568	Counseling Children and Adolescents	3
CNS 660	Organization and Administration of Guidance Services	3
Total Hours		**6**

Code	Title	Hours
For individuals with P-12 guidance certification who have completed a 30 or 36-hour program in school counseling		
Required Courses		
CNS 556	Developmental Career Counseling	3

Code	Title	Hours
CNS 666	Legal and Ethical Issues in Counseling	3
Total Hours		**6**

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		
Required Courses		
CNS 666	Legal and Ethical Issues in Counseling	3
Select one of the following:		3
CNS 592	Crisis, Trauma and Violence Counseling	
CNS 637	Theories of Addictions	
CNS 569	Play Therapy	
Total Hours		**6**

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.		
Required Courses		
CNS 558	Theories of Counseling	3
CNS 666	Legal and Ethical Issues in Counseling	3
Total Hours		**6**

College and Career Readiness, Certificate (1737)

Program Coordinator
Jill Duba Sauerheber, jillduba.sauerheber@wku.edu, (270) 745-4799

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 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
Required Courses		
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
Total Hours		**15**

Counseling, Master of Arts in Education (043)

Program Coordinator
Andrea K. Jenkins, andrea.jenkins@wku.edu, (270) 745-4786

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 approximately five years. 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

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 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 School Admission

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

Program Requirements (60 hours)

Code	Title	Hours
Required Courses		
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 [1]	3
CNS 592	Crisis, Trauma and Violence Counseling	3
CNS 596	Clinical Mental Health Counseling/Marriage, Couple, and Family Counseling Internship [1,2]	6
CNS 598	Research and Program Evaluation in Counseling	3
CNS 637	Theories of Addictions	3
Select a Concentration		**12**
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	Family Counseling Techniques	
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	
Total Hours		**60**

[1] To enroll in practicum the student must have completed the appropriate practice preparation sequence and obtain department approval.

[2] 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.wku.edu/csa/sc/comp_exam.php).

International Student Services, Certificate (0415)

Program Coordinator

Aaron W. Hughey, 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 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
Required Courses		
CNS 571	Introduction to Student Affairs in Higher Education	3
CNS 581	International Students and Services in Higher Education	3
CNS 595	Testing Internship	3
Electives		
Select six hours from the following with advisor approval: [1]		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)	
Total Hours		**15**

[1]   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, (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.

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 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

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 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 School Admission

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

Program Requirements (42 hours)

Code	Title	Hours
Required Core		
CNS 571	Introduction to Student Affairs in Higher Education	3
CNS 572	The College Student Experience	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	Testing Internship	6
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
Electives		
Select 9 hours from the following:		9
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 604	Resource Management in Student Affairs and Higher Education	
CNS 675	Advanced Career Counseling and Services Administration	
Total Hours		**42**

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).

Department of Psychology

Steve Wininger and Pitt Derryberry, Co-Department Heads
Gary A. Ransdell Hall 3012
(270) 745-2695
psychology@wku.edu

Programs

- Applied Psychology, Doctor of Psychology (0476) (p. 37)
- Psychology, Master of Arts (092) (p. 39)
- School Psychology, Specialist in Education (147) (p. 40)

Faculty

Professor

Pitt Derryberry PhD (Educational Psychology), The University of Alabama, 2001
Lisa C. Duffin PhD (Educational Studies, Educational Psychology), Purdue University Main Campus, 2009
Frederick G. Grieve PhD (Psychology, Clinical Psychology), University of Memphis, 1996
Carl L. Myers PhD (Psychology), Iowa State University, 1995
Steven R. Wininger PhD (Educational Psychology, Sports Psychology), Florida State University, 1998
Qin Zhao PhD (Educational Psychology), University of Florida, 2008

Associate Professor

Anthony R. Paquin PhD (Psychology), Texas A & M University, 1997
Jenni L. Redifer PhD (Educational Psychology), University of Florida, 2012

Assistant Professor

Melissa A. Baker PhD (Psychology), University of Mississippi, 2019
Thomas J. Gross PhD (Educational Psychology), Oklahoma State University Main Campus, 2013

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

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

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

Timothy S. Thornberry PhD (Clinical Psychology), Auburn University, 2013

Instructor I

James R. Prather PhD (Experimental Psychology), University of Louisville, 1997

Applied Psychology, Doctor of Psychology (0476)

Program Coordinator

Timothy S. Thornberry, timothy.thornberry@wku.edu, (270) 745-2698

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[1]
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[1]
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.[1]
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

[1] 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 School Admission

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

Program Requirements (48, 51, or 96 hours)

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

Code	Title	Hours
Required Courses		
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.

Code	Title	Hours
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 CNS 654		
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
Total Hours		**96**

Clinical Concentration (MA to PsyD) (48 hours)

Code	Title	Hours
Required Courses		
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 CNS 654		
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
Total Hours		**48**

School Psychology Concentration (51 hours)

Code	Title	Hours
Required Courses		
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 520	Individual Differences and Human Diversity	3
PSY 640	Psychopathology	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 785	Doctoral Seminar in School Psychology	3
PSY 791	Advanced Psychology Practice	3
or PSY 792	Advanced Practicum in School Interventions	
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	Expressive Arts Techniques in Counseling	
or CNS 613	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 DD/ASD	
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	
Total Hours		**51**

Psychology, Master of Arts (092)

Program Coordinator
Sally L. Kuhlenschmidt, sally.kuhlenschmidt@wku.edu, (270) 745-2114

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[1]
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 School Admission

Please refer to the admission section (http://catalog.wku.edu/graduate/admission/) of this catalog for Graduate School 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
Required Courses		
EDFN 500	Research Methods	3
or EDLD 722	Measurement and Survey Methods for Educational Leaders	
EDFN 501	Educational Statistics	3
or EDLD 712	Research Methods and Design for Educational Leaders	
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 (3 hours AND 3 hour elective approved by advisor for nonthesis option.)	6
or PSY 599	Thesis Research	
Total Hours		**48**

School Psychology, Specialist in Education (147)

Program Coordinator
Carl L. Myers, carl.myers@wku.edu, (270) 745-4410

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; a minimum score of 142 on both the Verbal and Quantitative scales on the Graduate Record Examination General Test; a minimum GRE writing score of 3.5; and a minimum undergraduate GPA of 3.0. Applicants should send three letters of recommendation, a psychology department application form and the graduate application form to the Graduate School.

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.

[1] All admitted students must separately qualify for admission to professional education, including meeting the standardized test score requirements found on the CEBS Teacher Admissions web page. Students whose GRE scores do not meet the professional education minimums may qualify for admission by submitting qualifying scores on the CASE. For more information, contact the school psychology program coordinator.

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
Required Courses		
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 625	Seminar in School Psychology	3
PSY 592	Psychology Internship	6
EDFN 501	Educational Statistics	3
or PSY 617	Reading and Understanding Statistics in Psychology	
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
PSY 509	Foundations of School Psychology	3
Total Hours		**66**

School of Leadership and Professional Studies

Marguerita DeSander, Department Head
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 the Graduate School. 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

- Adult Education, Certificate (0450) (p. 41)
- Certification Only, Education Leadership (131) (p. 41)
- Educational Leadership, Doctor of Education (0010) (p. 44)
- Instructional Leadership, School Principal, MAE (0499) (p. 45)
- Measurement, Evaluation, and Research, Post-Master's Certificate (0488) (p. 46)
- Organizational Leadership, Certificate (1723) (p. 47)
- Organizational Leadership, MA (0467) (p. 47)
- School Administration, Rank 1 (121) (p. 49)

Faculty

Professor

Janet L. Applin PhD (Special Education), Vanderbilt University, 2005
Dennis K. George PhD (Environment Sci & Engr), University of North Carolina Chapel Hill, 1994
Gary W. Houchens PhD (Educational Leadership & Organizational Development), University of Louisville, 2008

Associate Professor

Marguerita K. Desander PhD (Ed Policy/Plan/Ldsp), College of William and Mary, 2005
Kimberlee K. Everson PhD (Educ Inquiry, Measurement, & Evaluation), Brigham Young University, 2012
Stacy R. Leggett EdD (Educational Administration), George Washington University, 2015

Assistant Professor

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

Visiting Professor

Jeremy N. Phillips PhD (Public Administration), University of Southern Indiana, 2012

Visiting Assistant Professor

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

Pedagogical Assistant Professor

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

Instructor I

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

Adult Education, Certificate (0450)

Program Coordinator
Wren A. Mills, wren.mills@wku.edu, (270) 745-3169

The Adult Education certificate program provides a basic understanding of the theories, techniques, and concepts used in the adult education setting and facilitating change within adults. The certificate provides graduates with a basic understanding of the field of adult education and the ability to facilitate change, through adult learning, in a variety of settings. Individuals from a variety of workplace and educational settings will find benefits to pursuing the AEC.

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.

Program Requirements (12 hours)

Code	Title	Hours
Required Courses		
ADED 510	Introduction to Facilitating Change in Adults	3
ADED 515	How Adults Change	3
ADED 520	Facilitating Change Agency in Adults	3
ADED 530	Program Planning for Adults and Learning Organizations	3
Total Hours		**12**

Certification Only, Education Leadership (131)

Program Coordinator
Janet L. Applin, janet.applin@wku.edu, (000) 000-0000

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.

Completion of 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 seek a counseling

or social work type 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)

This 30 hour Level I program leaders to eligibility for administrative certification as a Level I Director of Special Education (KDS1), renewable with completion of the 9-hour Level II Director of Special Education program (KDS2).

School Principal, Endorsement (KP1 and KP2)

The Principal Preparation Program is a certification program involving a minimum of 30 hours of studies beyond the master's degree.

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

1. Candidates must first apply to the WKU Graduate School for admission to the university - https://www.wku.edu/graduate/.

2. Following university admission, candidates should contact the Department of Educational Administration, Leadership, and Research for program-specific admissions guidelines and application 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 EALR and a CA-TP to the Office of Professional Educator Services. EALR 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.

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.

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 full-time experience in a school administrative position, and
2. Completed a minimum of sixty (60) 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), EDAD 659 (http://catalog.wku.edu/search/?P=EDAD 659), and 6 hours of 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 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 Alternative 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 position as superintendent or assistant superintendent.
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 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 reciprocity may not be offered by all states.

Program Admission

Admission to 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)

- Completion of at least three years full-time appropriate teaching experience
- Master's degree or Rank 2 from an accredited institution
- 3.0 GPA or above for all graduate course work

Director of Special Education, Endorsement (KDS1 and KDS2)

- Submit a copy of current, valid teaching certificate for exceptional children or as a school psychologist.
- Submit documentation of a master's degree or Rank 2 from an accredited institution.
- Submit current vita/resume and letter of application indicating goals, and a statement verifying that he/she has completed at least 3 years of full-time appropriate teaching experience with exceptional children or as a school psychologist.

- Submit documentation of three years full-time appropriate teaching experience with exceptional children or as a school psychologist.
- 3.0 GPA or above on all graduate course work.

School Principal, Endorsement (KP1 and KP2)

- Three years of documented teaching experience in a public school or a nonpublic school that meets the state performance standards as established in KRS 156.160;
- GPA of 3.0 or higher on all graduate work;
- Complete a program admission packet requiring:
  - Letters of reference
  - Professional portfolio
  - Deficiency course assessments
  - School district agreement of support;
- Be recommended based on an interview with district practitioners and department faculty.

Superintendent, Endorsement (KST)

- Completed Level I and II preparation requirements for administrative endorsement as principal or supervisor;
- 3.0 GPA or above on all graduate work; and
- Submits recommendations.

Supervisor of Instruction, Endorsement (ILV1 and ILV2)

- Completion of at least three years full-time appropriate teaching experience
- Master's degree or Rank 2 from an accredited institution
- 3.0 GPA or above for all graduate course work

Program Requirements (30-39 hrs)

Program requirements for the Certification Only, Education Leadership 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
Level I Requirements (30 hours)		
EDAD 602	Intro 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 Leaders	3
EDAD 606	Leading Learning Systems	3
EDAD 610	Clinical Experiences in the Principalship	3
EDAD 686	Principles of Supervision	3
EDFN 576	Issues and Trends in Education	3
EDAD 583	Accounting for Pupil Personnel	3
SPED 533	Seminar: Curriculum for Learning and Behavior Disorders	3
or SPED 516	The Exceptional Child: Perspectives and Issues	
or SPED 535	Curriculum for Individuals with Moderate and Severe Disabilities	
Level II Requirements (9 hours)		
EDAD 694	Seminar in Educational Administration	3

Advisor approved electives		6
Total Hours		**30-39**

Director of Special Education, Endorsement (KDS1 and KDS2)

Code	Title	Hours
Level I Requirements (30 hours)		
EDAD 602	Intro 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 Leaders	3
or SPED 532	Families, Professionals and Exceptionalities	
EDAD 606	Leading Learning Systems	3
EDAD 610	Clinical Experiences in the Principalship	3
EDAD 686	Principles of Supervision	3
SPED 518	Seminar: Contemporary Challenges in Special Education	3
SPED 625	Practicum in the Administration of Special Education	3
SPED 630	Special Education Law and Finance	3
Level II Requirements (9 hours)		
EDAD 694	Seminar in Educational Administration	3
Advisor approved electives		6
Total Hours		**30-39**

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
Level I Requirements (30 hours)		
EDAD 602	Intro 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 Leaders	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 the Principalship	6
Level II Requirements (9 hours)		
EDAD 694	Seminar in Educational Administration	3
Advisor approved electives		6
Total Hours		**30-39**

Students admitted to the principal certification Principal Level II certification program may apply to receive graduate credit for successful completion of the National Board Certified Teacher process as Level II

electives. Those approved will receive up to six (6) hours of credit for EDU 695. To be eligible to receive credit, students must document that they:

- have been admitted to the principal Level II;
- hold current National Board Certification status.

The student must submit an application form to the chair of the Department of Educational Administration, Leadership, and Research who will consider whether to approve the application and then determine the number of EDU 695 hours to credit to the student's program. The hours may not be substituted for required (core) courses in the program. Once a recommendation for the awarding of hours for NBCT completion is approved by the department chair, the student must arrange for the American Council on Education (ACE) to send an official transcript documenting the student's NBCT status to WKU's Graduate School so that the credit may be entered on the student's transcript. No charge will be assessed by WKU.

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 659	Strategic Planning in Education	3
EDAD 598	Field-Based Experience in Educational Administration [1]	3

[1] 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=EDAD 598). Students will receive an "IP" grade for EDAD 598 (http://catalog.wku.edu/search/?P=EDAD 598) 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
Level I Requirements (30 hours)		
EDAD 594	Seminar on Leadership: Auxiliary Programs in Education	3
EDAD 602	Intro 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 Leaders	3
EDAD 606	Leading Learning Systems	3
EDAD 610	Clinical Experiences in the Principalship	3
EDFN 576	Issues and Trends in Education	3
EDAD 686	Principles of Supervision	3
SPED 516	The Exceptional Child: Perspectives and Issues	3
or SPED 533	Seminar: Curriculum for Learning and Behavior Disorders	
or SPED 535	Curriculum for Individuals with Moderate and Severe Disabilities	

Level II Requirements (9 hours)		
EDAD 694	Seminar in Educational Administration	3
Advisor approved electives		6
Total Hours		**30-39**

Educational Leadership, Doctor of Education (0010)

Program Coordinator
Nicholas L. Brake, nicholas.brake@wku.edu

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 www.wku.edu/cebs/doctorate (http://www.wku.edu/cebs/doctorate/).

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. Transcripts of all undergraduate and graduate course work;
2. Documentation of a master's degree (or other graduate degree) from an institution accredited by a nationally recognized accreditation organization;
3. Completed application;
4. Current (within 1 year of application deadline) resume or vita;
5. An in-depth personal statement including qualifications, rationale, and goals related to pursuing the WKU Ed.D. program;
6. 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
7. 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.
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
Required Courses		
EDLD 702	Educational Leadership Doctoral Program Orientation [1]	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 [2]	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 [3]	9-12
Personalized Learning Electives		
With program director or advisor approval, select courses to support intellectual and professional development and career goals		21-27
BA 751	Strategic Leadership (or similar)	
BA 752	Leading Innovation, Creativity and Change (or similar)	
Total Hours		**60**

[1] Taken during the first semester after admission to the program.

[2] 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.

[3] Students are encouraged to take EDLD 797 to prepare for their dissertation experience.

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

Janet L. Applin, janet.applin@wku.edu, (000) 000-0000

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).

Alternate Route to Principal Certification

Kentucky Senate Bill #77 made it possible for higher education institutions with approved school administration certification programs to provide alternate 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 the WKU Graduate School for admission to the university - https://www.wku.edu/graduate/

2. Following university admission, candidates should contact the Department of Educational Administration, Leadership, and Research for program-specific admissions guidelines and application 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 EALR and a CA-TP to the Office of Professional Educator Services. EALR 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.

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
- Teaching certificate

Upon initial review, applicants will be requested to submit the following items to the department:

- Three years of documented teaching experience in a public school or a nonpublic school that meets the state performance standards as established in KRS 156.160
- Complete a program admission packet requiring:
  - Letters of reference
  - Department-specified essays or other written materials
  - School district agreement of support
- Be recommended based on an interview with district practitioners and department faculty

Program Requirements (30 hours)

Code	Title	Hours
Required Courses		
EDAD 602	Intro 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 Leaders	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 the Principalship	6
Total Hours		**30**

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.

Measurement, Evaluation, and Research, Post-Master's Certificate (0488)

Program Coordinator
Kimberlee K. Everson, kimberlee.everson@wku.edu, (270) 745-2115

This certificate is designed for graduate students who need training in the areas of research methods, measurement, statistics, and program evaluation to engage in educational and social science research.

Program Admission

Applicants must hold a Master's Degree from an accredited college or university with a minimum GPA of 3.5 from graduate work at the Master's Degree level. Required prerequisite courses with grades of "B" of higher include:

- EDFN 500 or EDLD 712; and
- EDFN 501 or equivalent.

Program Requirements (18 hours)

Code	Title	Hours
Required Courses		
EDLD 722	Measurement and Survey Methods for Educational Leaders	3
EDLD 732	Program Evaluation for Educational Leaders	3
EDFN 740	Intermediate Statistics and Design [1]	3
Electives		
Select 9 hours from the following: [2]		9
EDFN 603	Qualitative Research in Education	
EDFN 703	Field Methods for Qualitative Research	
EDFN 744	Seminar in Advanced Research Methods [3]	
EDAD 734	School Accountability and Teacher Evaluation	
Total Hours		**18**

[1]   Students who have completed EDFN 601 may substitute it for EDFN 740.

[2]   Students will work with their advisors to select elective courses.

[3]   EDFN 744 may be taken more than once for elective credit.

Organizational Leadership, Certificate (1723)

Program Coordinator

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

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

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
Required Courses		
LEAD 500	Effective Leadership Studies	3
LEAD 525	Leadership Ethics	3
LEAD 550	Leadership in Global Context	3
Electives		
Select 3 hours of advisor approved electives [1]		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	
Total Hours		**12**

[1]   Other electives may be used with approval by advisor.

Organizational Leadership, MA (0467)

Program Coordinator

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

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. (Electives outside pre-approved curriculum may be utilized within the degree program with prior approval of the faculty).

Program Admission

Students seeking admission to the MA in Organizational Leadership must have:

- an earned baccalaureate degree from a regionally accredited university or college;
- minimum undergraduate GPA of 2.75.

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
Required Courses		
LEAD 500	Effective Leadership Studies	3
LEAD 560	Applied Research Methods in Organizational Leadership	3
or EDFN 500	Research Methods	
LEAD 525	Leadership Ethics	3
LEAD 540	Leading Teams	3
or LEAD 565	Leadership Coaching within Organizations	
LEAD 580	Leading Organizations	3
LEAD 600	Capstone in Leadership Experience	3
Electives		
Select 12 hours from the following: [1]		12
LEAD 530	Organizational Change	
LEAD 550	Leadership in Global Context	

LEAD 565	Leadership Coaching within Organizations		CNS 502	College and Career Program Development & Evaluation
LEAD 575	Leadership Special Topics		CNS 503	Practicum in College and Career Readiness
LEAD 595	Contemporary Issues in Leadership		CNS 571	Introduction to Student Affairs in Higher Education
ADED 510	Introduction to Facilitating Change in Adults		CNS 581	International Students and Services in Higher Education
ADED 515	How Adults Change		CNS 574	Student Development in Higher Education
ADED 520	Facilitating Change Agency in Adults		CNS 670	Parameters of Law in Student Affairs and Higher Education
ADED 530	Program Planning for Adults and Learning Organizations		EMDS 500	Emergency Management Policy and Practices
ID 560	Instructional Design Foundations		EMDS 501	Understanding Natural and Technological Disaster Risks
ID 570	Systematic Instructional Design		EMDS 502	Terrorism, Violence, Resiliency, and Response
LITE 508	Informatics in Education		EMDS 503	Advanced Disaster Planning, Management, and Preparedness
LITE 535	Survey of Educational Technology Practices		EMDS 504	Trends in Disaster Preparedness and Management
LITE 537	Principles of Educational Technology Applications		BA 502	MBA Foundation Modules
LITE 545	Educational Technology Production		BA 515	Managerial Accounting
LITE 547	Integration of Educational Technology		BA 519	Advanced Managerial Finance
			BA 510	Advanced Organizational Behavior
LITE 550	Emerging Technology in Education		BA 517	Advanced Marketing
LITE 737	Educational Technology Leadership		BA 505	Survey of Accounting Principles
RSA 560	Issues in Nonprofit Administration		BA 592	Special Topics in Business
RSA 570	Fiscal Administration in the Nonprofit Sector		EGMT 520	Resource Management
			EGMT 671	Quality Management
RSA 585	Nonprofit Practicum		CNS 555	Social and Cultural Diversity in Counseling
RSA 590	Practicum in Recreation and Sport			
RSA 538	Facility and Event Security Management		CNS 585	Leadership and Administration in Student Affairs
RSA 544	Practicum in Interscholastic Sport		COMM 531	Global Leadership Communication
RSA 556	Governance in Intercollegiate Athletics		COMM 561	Multinational Organizational Communication
RSA 558	Compliance in Intercollegiate Athletics		EDFN 500	Research Methods
			GERO 501	Perspectives in Aging
BA 545	Survey of Business Sustainability Issues		GERO 503	Policy Foundations of Aging Services
BA 546	Sustainable Business Operations		GWS 625	Women and Leadership
BA 547	Sustainability, Innovation, and Entrepreneurship		HCA 540	Health Care Organization and Management
BA 548	Sustainability Marketing		PS 520	Elements of Public Administration
CNS 593	Career Development in Student Affairs and Higher Education		PS 538	Public Service Ethics
CNS 595	Testing Internship		PS 541	Human Resources Management in Public Administration
CNS 675	Advanced Career Counseling and Services Administration			
CNS 556	Developmental Career Counseling		**Total Hours**	**30**
CNS 577	Counseling Concepts and Applications for Student Affairs Professionals			
CNS 500	College and Career Readiness Foundations			
CNS 501	College and Career Consultation & Collaboration			

[1] 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
Janet L. Applin, janet.applin@wku.edu, (000) 000-0000

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

Director of Pupil Personnel Services (KDP1)

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.

Director of Special Education (KDS1)

This 30 hour program leads to eligibility for administrative certification as a Level I Director of Special Education and a Rank I.

School Principal (KP1)

The Principal Preparation Program is a certification program involving a minimum of 30 hours of studies beyond the master's degree or Rank 2. Completion of the Rank I program leads to eligibility for initial principal certification (Level I, KP1).

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

1.   Candidates must first apply to the WKU Graduate School for admission to the university - https://www.wku.edu/graduate/.

 2.   Following university admission, candidates should contact the Department of Educational Administration, Leadership, and Research for program-specific admissions guidelines and application 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 EALR and a CA-TP to the Office of Professional Educator Services. EALR 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.

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.

Supervisor of Instruction (ILV1)

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

Program Admission

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)
- Completion of at least three years full-time appropriate teaching experience
- Master's degree or Rank 2 from an accredited institution
- 3.0 GPA or above for all graduate course work

Director of Special Education (KDS1)
- Submit a copy of current, valid teaching certificate for exceptional children or as a school psychologist.
- Submit documentation of a master's degree or Rank 2 from an accredited institution.
- Submit current vitae/resume and letter of application indicating goals, and a statement verifying that he/she has completed at least 3 years of full-time appropriate teaching experience with exceptional children or as a school psychologist.
- 3.0 GPA or above on all graduate coursework.

School Principal (KP1)
- Master's degree or Rank 2 from an accredited institution
- Three years of documented teaching experience in a public school or a nonpublic school that meets the state performance standards as established in KRS 156.160
- GPA of 3.0 or higher on all graduate work
- Complete a program admission packet requiring:
    - Letters of reference
    - Professional portfolio
    - Deficiency course assessments
    - School district agreement of support;
- Be recommended based on an interview with district practitioners and department faculty

Supervisor of Instruction (ILV1)
- Completion of at least three years 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

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).

Director of Pupil Personnel Services (KDP1)

Code	Title	Hours
Required Courses		
EDFN 576	Issues and Trends in Education	3
EDAD 602	Intro 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 Leaders	3
EDAD 606	Leading Learning Systems	3
EDAD 610	Clinical Experiences in the Principalship	3
EDAD 583	Accounting for Pupil Personnel	3
EDAD 686	Principles of Supervision	3
SPED 516	The Exceptional Child: Perspectives and Issues	3
or SPED 533	Seminar: Curriculum for Learning and Behavior Disorders	
or SPED 535	Curriculum for Individuals with Moderate and Severe Disabilities	
Total Hours		**30**

Completion of 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 seek a counseling or social work type 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 Special Education (KDS1)

Code	Title	Hours
Required Courses		
EDAD 602	Intro 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 Leaders	3
or SPED 532	Families, Professionals and Exceptionalities	
EDAD 606	Leading Learning Systems	3
EDAD 610	Clinical Experiences in the Principalship	3
EDAD 686	Principles of Supervision	3
SPED 630	Special Education Law and Finance	3
SPED 518	Seminar: Contemporary Challenges in Special Education	3
SPED 625	Practicum in the Administration of Special Education	3
Total Hours		**30**

Completion of 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 seek a counseling or social work type 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.

School Principal (KP1)

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
Required Courses		
EDAD 602	Intro 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 Leaders	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 the Principalship	6
Total Hours		**30**

Supervisor of Instruction (ILV1)

Code	Title	Hours
Required Courses		
EDAD 594	Seminar on Leadership: Auxiliary Programs in Education	3
EDAD 602	Intro 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 Leaders	3
EDAD 606	Leading Learning Systems	3
EDAD 610	Clinical Experiences in the Principalship	3
EDFN 576	Issues and Trends in Education	3
EDAD 686	Principles of Supervision	3
SPED 516	The Exceptional Child: Perspectives and Issues	3
or SPED 533	Seminar: Curriculum for Learning and Behavior Disorders	
or SPED 535	Curriculum for Individuals with Moderate and Severe Disabilities	
Total Hours		**30**

Filing a TC-1 requesting Rank I requires completion of a minimum of 60 semester hours of graduate credit including at least 30 hours beyond 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.

School of Teacher Education

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

Programs

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
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

Xiaoxia Huang PhD (Instructional Systems), Florida State University, 2007
Nancy F. Hulan PhD (Curriculum and Instruction), University of Louisville, 2010
Susan Keesey PhD (Physical Activity and Education Services), The Ohio State University Main Campus, 2012
Elizabeth G. Kirby EdD (Learning and Instruction), University of San Francisco, 2008
Julia A. Mittelberg PhD (Curriculum and Instruction), Kansas State University, 2014
Christina R. Noel PhD (Special Education), Vanderbilt University, 2013
James N. Oigara EdD (Educational Theory and Practice), SUNY at Binghamton, 2006
Andrea Paganelli PhD (Instructional Leadership), The University of Alabama, 2010
Kandy C. Smith PhD (Education, Teacher Education), University of Tennessee, Knoxville, 2014
Antonia M. Szymanski PhD (Psychological and Quantitative Foundations), University of Iowa, 2011

Assistant Professor

Ellen G. Casale EDS (Education), University of Alabama at Birmingham, 2014
Erin E. Margarella PhD (Curriculum and Instruction), University of South Florida, 2016
Jessica N. Torelli MED (Special Education), Vanderbilt University, 2015
John C. Wright PhD (Special Education), Vanderbilt University, 2019

Clinical Associate Professor

Jeremy R. Logsdon EdD (Educational Leadership, Postsecondary Leadership), Western Kentucky University, 2016
Daniel J. Super EdD (Educational Leadership), Western Kentucky University, 2016

Pedagogical Assistant Professor

Leslee K. Tarbett EdD, University of Memphis, 2020

Instructor I

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

Advanced Behavior Management, Certificate (1736)

Program Coordinator
Andrea Paganelli, andrea.paganelli@wku.edu, (270) 745-4420

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 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
Required Courses		
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
Total Hours		**15**

Advanced Teacher Education, MAE (0500)

Program Coordinator
Andrea Paganelli, andrea.paganelli@wku.edu, (270) 745-4420

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.

Concentration(s)

- Addictions Education (ADED)
- Advanced Behavior Management (ABM)
- Agriculture (ATEA)
- 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)
- Physical Education (ATEP)
- Secondary Education (SSED)
- Social Studies (ATES)
- Teacher Leader (KTLE)
- Teaching English to Speakers of Other Languages (TESOL) (KE36)

Program Admission

Applicants must be accepted to the WKU graduate school and hold a valid teaching certificate. A copy of the certificate or statement of eligibility must be submitted with the application.[1]

[1] 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 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)

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
Required Courses		
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 [1,2]		15-22
Total Hours		**30-37**

[1] For concentrations that are less than 15 hours, students will complete EDU 580 and/or course(s) from another concentration to meet the 30 hour requirement for the degree.

[2] 18 hours in a content discipline are required for credentialing to teach at the postsecondary level.

Concentrations

Addictions Education (15 hours)

Code	Title	Hours
Required Courses		
CNS 637	Theories of Addictions	3
CNS 647	Addictions: Assessment, Diagnosis and Treatment Planning	3
CNS 667	Counseling Substance and Process Addictions	3
CNS graduate electives		6
Total Hours		**15**

Advanced Behavior Management (15 hours)

Code	Title	Hours
Required Courses		
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
Total Hours		**15**

Agriculture (13 hours)

Code	Title	Hours
Required Courses		
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
Total Hours		**13**

Chemistry (15 hours)

Code	Title	Hours
Required Courses		
CHEM graduate courses [3]		15
Total Hours		**15**

College and Career Readiness (15 hours)

Code	Title	Hours
Required Courses		
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
Total Hours		**15**

Earth Science (15 hours)

Code	Title	Hours
Required Courses		
GEOS graduate courses		15
Total Hours		**15**

Elementary Education (15 hours)

Code	Title	Hours
Required Courses		
ELED 503	Organization of Elementary School Curriculum	3
ELED 505	Mat/Meth/Math/El 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
Total Hours		**15**

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

Code	Title	Hours
Required Courses		
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 School Teachers [4]	
MATH 507	Mathematics Concepts for Elementary Teachers	
MATH 508	Number Concepts for Elementary and Middle Grades Teachers	
Total Hours		**15**

English (15 hours)

Code	Title	Hours
Required Courses		
ENG 510	Graduate Rhetoric and Writing	3
ENG 516	Literature and Pedagogy	3
Select 6 hours from the following: [3]		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: [3]		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	
Total Hours		**15**

Environmental Education (KEV) (12 hours)

Code	Title	Hours
Required Courses		
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 511	The Dynamic Earth	
GEOS 507	Geography for Teachers	
Total Hours		**12**

Family and Consumer Science (15 hours)

Code	Title	Hours
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
Total Hours		**15**

Gifted and Talented Education (KE37) (12 hours)

Code	Title	Hours
Required Courses		
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
Total Hours		**12**

History (15 hours)

Code	Title	Hours
Required Courses		
HIST graduate courses [3]		15
Total Hours		**15**

Instructional Design (12 hours)

Code	Title	Hours
Required Courses		
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	
Total Hours		**12**

Instructional Computer Technology (KCT) (12 hours)

Code	Title	Hours
Required Courses		
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	
Total Hours		**12**

Interdisciplinary Early Childhood Education (KIE) (15 hours)

Code	Title	Hours
Required Courses		
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
Total Hours		**15**

Literacy P-12 (15 hours)

Code	Title	Hours
Required Courses		
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
Total Hours		**15**

Middle Grades Education (15 hours)

Code	Title	Hours
Required Courses		
MGE graduate courses		15
Total Hours		**15**

Physical Education (15 hours)

Code	Title	Hours
Required Courses		
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
Total Hours		**15**

Secondary Education (15 hours)

Code	Title	Hours
Required Courses		
SEC graduate courses		15
Total Hours		**15**

Social Studies (15 hours)

Code	Title	Hours
Required Courses		
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 [3]	
Total Hours		**15**

Teacher Leader (KTLE) (16 hours)

Code	Title	Hours
Required Courses		
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
Total Hours		**16**

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

Code	Title	Hours
Required Courses		
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
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
Total Hours		**16-22**

[3]   Additional program approval required.

[4]   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
Andrea Paganelli, andrea.paganelli@wku.edu, (270) 745-4420

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 as indicated by the College of Education and Behavioral Sciences Teacher Disposition Rating Form.

Moderate and Severe Disabilities, Certification-Only (KMS)

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 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 as indicated by the College of Education and Behavioral Sciences Teacher Disposition Rating Form.

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)
- 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 hold a current Master's degree with three years teaching 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.

Moderate and Severe Disabilities, Certification-Only (KMS)

Applicants for the MSD Certification Program must hold a current Exceptional Education: Learning and Behavior Disabilities (LBD) teaching certificate with three years teaching in the field OR a Masters in LBD or related field and a current teaching certificate. 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.

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 (12-22 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
Required Courses		
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 School Teachers [1]	
MATH 507	Mathematics Concepts for Elementary Teachers [2]	
MATH 508	Number Concepts for Elementary and Middle Grades Teachers [2]	
Total Hours		**15**

[1] Required unless MATH 411 was taken as an undergraduate.

[2] Required for students who completed MATH 411 as an undergraduate.

Environmental Education P-12, Endorsement (KEV)

Code	Title	Hours
Required Courses		
ENVE 520	Introduction to Environmental Education	3
ENVE 580	Instructional Strategies in Environmental Education	3
Electives		
Select 6 hours from the following:		6
ENVE 585	Special Topics in Environmental Education [1]	
EDU 570	Educational Assessment for P-12 Learners	
GEOS 507	Geography for Teachers	
RSA 532	Environmental Education Resources	
REC 434G	Environmental Interpretation	

GEOS 511	The Dynamic Earth	
Other courses may be chosen by the advisor and the environmental education endorsement coordinator		
Total Hours		**12**

[1]   Repeatable up to 6 hours.

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

Code	Title	Hours
Required Courses		
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
Total Hours		**12**

Instructional Computer Technology P-12, Endorsement (KCT)

Code	Title	Hours
Required Courses		
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	
Total Hours		**12**

Learning and Behavioral Disorders, Certification-Only (KLBD)

Code	Title	Hours
Required Courses		
SPED 517	Transition Services and Programs for Individuals with Disabilities	3
SPED 533	Seminar: Curriculum for Learning and Behavior Disorders	3
SPED 595	Advanced Preparation Capstone for Special Education	3
EDU 522	Foundations of Differentiated Instruction	3
SPED 532	Families, Professionals and Exceptionalities	3
or LTCY 523	Assessment and Intervention of Reading and Writing	
or ID 560	Instructional Design Foundations	

or LITE 535	Survey of Educational Technology Practices	
Total Hours		**15**

Moderate and Severe Disabilities, Certification-Only (KMS)

Code	Title	Hours
Required Courses		
SPED 517	Transition Services and Programs for Individuals with Disabilities	3
SPED 535	Curriculum for Individuals with Moderate and Severe Disabilities	3
SPED 595	Advanced Preparation Capstone for Special Education	3
Electives		
Select 6 hours with advisor approval		6
SPED 534	Research in Exceptional Child Education	
SPED 618	Social Skills Instruction & Behavioral Programming for Students with DD/ASD	
SPED 619	Assistive Technological and Communication Interventions for Students with Autism Spectrum Disorders	
EDU 522	Foundations of Differentiated Instruction	
LTCY 523	Assessment and Intervention of Reading and Writing	
ID 560	Instructional Design Foundations	
LITE 535	Survey of Educational Technology Practices	
Total Hours		**15**

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

Code	Title	Hours
Required Courses		
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
6 hours of one foreign language or fulfillment of the language requirements of the WKU Colonnade Program		0-6
Total Hours		**16-22**

Teacher Leader, Endorsement (KTLE)

Code	Title	Hours
Required Courses		
TCHL 500	Foundations of Teacher Leadership	3
TCHL 530	Curriculum Development	3
TCHL 545	Classroom Instruction Strategies [1]	0-3

TCHL 555	School and Classroom Assessment [1]	0-3
TCHL 559	Capstone Project Design for Teacher Leadership	1
TCHL 560	Capstone Project for Teacher Leadership	3
Total Hours		**10-16**

[1]   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
Andrea Paganelli, andrea.paganelli@wku.edu, (270) 745-4420

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 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)
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
Required Courses		
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 [1]	3
EDU 698	Seminar: Advanced Portfolio Project	2
Electives		
Professional education courses [2]		6-9
Specialization courses [2]		12
Total Hours		**30**

[1]   An approved elective may be substituted if an introductory Exceptional Education course is on the student's transcript.

[2]   Approved by advisor

Elementary Math Specialization P-5, Certificate (0485)

Program Coordinator
Andrea Paganelli, andrea.paganelli@wku.edu, (270) 745-4420

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

Please refer to the admission section (http://catalog.wku.edu/graduate/admission/) of this catalog for Graduate School 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
Required Courses		
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 School Teachers [1]	
MATH 507	Mathematics Concepts for Elementary Teachers	
MATH 508	Number Concepts for Elementary and Middle Grades Teachers	
Total Hours		**15**

[1] 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
Julia L. Roberts, julia.roberts@wku.edu, (270) 745-6480

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 School 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
Required Courses		
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 [1]	
GTE 538	Practicum for Teachers of Gifted Students [1,2]	
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	
Total Hours		**12**

1 Required course for students pursuing Advanced Certification.

2 Restricted for only students pursuing Advanced Certification.

Gifted Education and Talent Development, Master of Arts in Education (0482)

Program Coordinator

Julia L. Roberts, julia.roberts@wku.edu, (270) 745-6480

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 the Graduate School and meet all Graduate School 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
Required Courses		
Professional Education Component		
TCHL 500	Foundations of Teacher Leadership [1]	3
TCHL 545	Classroom Instruction Strategies [2]	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 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.

Code	Title	Hours
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

Code	Title	Hours
GTE 538	Practicum for Teachers of Gifted Students	3
Electives		
Select 0-6 hours with advisor approval [3]		0-6
Total Hours		**30-37**

[1] 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.

[2] TCHL 545 and TCHL 555 are required for all students or the student must pass proficiency evaluations for these courses.

[3] 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
Required Courses		
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
Electives		
Select 0-3 hours with advisor approval [1]		0-3
Total Hours		**30-33**

[1] 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 and Talent Development, Specialist in Education (0490)

Program Coordinator
Julia L. Roberts, julia.roberts@wku.edu, (270) 745-6480

The Specialist Degree in Gifted Education and Talent Development prepares leaders to understand and implement strategies, procedures, and policies that allow children and youth with gifts and talents to achieve their potentials and to provide in-depth learning experiences to develop expertise in gifted education and talent development.

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 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)

Code	Title	Hours
Required Courses		
EDFN 500	Research Methods	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
PSY 432G	Psychology of the Gifted and Creative	3
Select two:		6
GTE 636	Issues in Gifted Education and Talent Development	
GTE 637	Seminar in Gifted Education and Talent Development	
GTE 538	Practicum for Teachers of Gifted Students	
EDU 699	Specialist Project	6
Total Hours		**30**

If the graduate student has already completed the twelve hours required for the Gifted Endorsement (GTE 536, GTE 537, PSY 432G, and GTE 540) and the courses have already been counted on a prior degree, he/she must substitute other hours with advisor approval.

Instructional Design, Certificate (0418)

Program Coordinator
Andrea Paganelli, andrea.paganelli@wku.edu, (270) 745-4420

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 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
Required Courses		
ID 560	Instructional Design Foundations	3
ID 570	Systematic Instructional Design	3
Electives		
Select two courses from the following: [1]		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		
Total Hours		**12**

[1]   No more than 3 hours between ID 575 and ID 590.

Instructional Design, Master of Science (0428)

Program Coordinator

Andrea Paganelli, andrea.paganelli@wku.edu, (270) 745-4420

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 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 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
Required Courses		
EDFN 500	Research Methods [1]	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 [2]	3
Electives		
Professional Emphasis - Select 12 hours from the following: [3]		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		
Total Hours		**30**

[1]   Or advisor approved equivalent. Students may transfer in a previous graduate research course with a grade of B or higher that meets the Graduate School 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.

[2]   The capstone course requires the development and application of an authentic and professional quality product for their approved workplace setting. A professional portfolio is compiled and submitted in the capstone course in multimedia format (CD, DVD, or web based) focused on projects and activities from across the program.

[3]   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
Andrea Paganelli, andrea.paganelli@wku.edu, (270) 745-4420

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 33 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:

- Have completed SPED 330 or SPED 516 or an equivalent introductory special education course prior to entering the MAT program or complete SPED 516 as a program deficiency.
- Present a letter of application including a professional goals statement.

- Provide three letters of reference. At least one reference letter must be from a university faculty member who can speak to the applicant's ability to be successful in a graduate program.
- Submit documentation to the School of Teacher Education in order to satisfy partial criteria for admission to professional education including: references; physical; signed code of ethics; criminal background check; Child Abuse & Neglect (CAN) check; and passing score on the PRAXIS examination.

Application Deadline Notes

For priority consideration applicants should submit application materials to the Graduate School by the following dates:

- Summer Admission: March 1;
- Fall Admission: May 1;
- Spring Admission: November 1

Applicants submitting materials after the above deadline dates cannot be guaranteed that applications will be reviewed in time for admission for the upcoming term nor that course space will be available.

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 (33 hours)

Code	Title	Hours
Required Courses		
EDFN 500	Research Methods (or advisor approved research course)	3
IECE 520	Organizing Programs for Early Childhood Special Education	3
FACS 577	Child Development Theory and Research [1]	3
IECE 522	Family-Focused Services	3
IECE 423G	Interdisciplinary Services for Young Children with Low Incidence Disabilities [1]	3
IECE 521	Assessment in Early Childhood Special Education	3
SLP 517	Normal Language Development [1]	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 526	Practicum in Interdisciplinary Early Childhood Education [2]	3
Total Hours		**33**

[1]   Or advisor approved electives

[2]   IECE 526 (1 hour) repeated 3 times (total of 3 hours) in conjunction with IECE 521, IECE 523 and SPED 523.

Interdisciplinary Early Childhood Education, Birth to Primary, Master of Arts in Education (0461)

Program Coordinator
Andrea Paganelli, andrea.paganelli@wku.edu, (270) 745-4420

The MAE in Interdisciplinary Early Childhood Education provides a choice of three concentrations which are dependent upon an applicant's current certification and their desired additional certificate sought. The concentrations may lead to certification in Advanced Behavior Management, Interdisciplinary Early Childhood Education, 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.

For candidates in the IECE concentration, the internship is the culminating capstone experience. Candidates in the Advanced Behavior Management or TESOL concentrations will complete capstone experiences within their respective area.

Concentrations

- Advanced Behavior Management (ABM)
- Interdisciplinary Early Childhood Education (KIE)
- 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 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)

Code	Title	Hours
Required Courses		
IECE 520	Organizing Programs for Early Childhood Special Education	3

Code	Title	Hours
IECE 423G	Interdisciplinary Services for Young Children with Low Incidence Disabilities [1]	3
IECE 522	Family-Focused Services	3
FACS 577	Child Development Theory and Research [1]	3
EDFN 500	Research Methods [1]	3
Concentration Courses		15-22
Total Hours		**30-37**

Advanced Behavior Management Concentration (15 hours)

Code	Title	Hours
Required Courses		
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
Total Hours		**15**

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

Code	Title	Hours
Required Courses		
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 [2]	3
SPED 523	Curriculum/Methods in Early Childhood Special Education	3
SLP 517	Normal Language Development	3
Total Hours		**15**

Teaching English to Speakers of Other Languages (TESOL) Concentration (KE36) (16-22 Hours)

Code	Title	Hours
Required Courses		
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
Total Hours		**16-22**

[1]   Or advisor approved equivalent.

[2]   If employed in an approved early learning childhood setting, internship may be completed in the classroom with advisor approval.

Interdisciplinary Early Childhood Education, Rank I (156)

Program Coordinator

Andrea Paganelli, andrea.paganelli@wku.edu, (270) 745-4420

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 School 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 School Admission

Please refer to the admission section (http://catalog.wku.edu/graduate/admission/) of this catalog for Graduate School 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
Prerequisites		
SPED 330	Introduction to Exceptional Education: Diversity in Learning	3
SPED 516	The Exceptional Child: Perspectives and Issues	3
Total Hours		**6**

Code	Title	Hours
Professional Education		
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
Content Area Courses		
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
Total Hours		**33**

Libraries, Informatics, and Technology in Education, Master of Science (0497)

Program Coordinator

Margaret G. Maxwell, marge.maxwell@wku.edu, (270) 745-2435

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 the Graduate School
- 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
Required Courses		
LITE 501	Program Organization	3
LITE 512	Issues in Libraries, Informatics, and Technology in Education	3
LITE 535	Survey of Educational Technology Practices [1]	3
LITE 537	Principles of Educational Technology Applications [2]	3
LITE 506	Organization of Information	3
LITE 508	Informatics in Education [4]	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 [3]	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	
Total Hours		**30**

[1]   Prerequisite for LITE 537.

[2]   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.

[3]   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.

[4]   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

Andrea Paganelli, andrea.paganelli@wku.edu, (270) 745-4420

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
Required Courses		
LTCY 519	Literacy Development and Instruction [1]	3
LTCY 520	Clinical Diagnosis of Reading Variability	3
LTCY 521	Reading Intervention	3
LTCY 523	Assessment and Intervention of Reading and Writing [1]	3
LTCY 524	Content Area and Disciplinary Literacy [1]	3
LTCY 527	Diversity and Equity in Literacy Education [1]	3
LTCY 530	Literacy Development for Multilingual Learners	3
LTCY 532	Literacy Leadership and Coaching	3
LTCY 695	Practicum for Literacy Professionals [2]	3
Elective		
Select one 3-hour elective: [1]		3
LTCY 624	Seminar in Literacy Issues and Trends	
ENG 408G	Psycholinguistics and Sociolinguistics	
ENG 597	Special Topics in English	
GTE 537	Curriculum, Strategies, and Materials for Gifted Students	
PSY 432G	Psychology of the Gifted and Creative	
PSY 510	Advanced Educational Psychology	
PSY 511	Psychology of Learning	
PSY 519	Psychological Perspectives on Classroom Behavior	

PSY 540	Behavior Problems of Childhood and Adolescence	
LITE 518	Advanced Children's Literature and Collections	
LITE 527	Advanced Young Adult Literature and Collections	
SPED 523	Curriculum/Methods in Early Childhood Special Education	
SPED 516	The Exceptional Child: Perspectives and Issues	
ELED 503	Organization of Elementary School Curriculum	
IECE 520	Organizing Programs for Early Childhood Special Education	
Total Hours		**30**

[1] 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.

[2] 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
Andrea Paganelli, andrea.paganelli@wku.edu, (270) 745-4420

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 the Graduate School, 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
Required Courses		
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
Total Hours		**18**

Literacy P-12, Certificate (1750)

Program Coordinator
Andrea Paganelli, andrea.paganelli@wku.edu, (270) 745-4420

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
Required Courses		
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
Advisor Approved LTCY Elective		3
Total Hours		**15**

The 3-hour elective can be selected from additional Literacy MAE coursework including electives.

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
Andrea Paganelli, andrea.paganelli@wku.edu, (270) 745-4420

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 School Admission

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

Program Requirements (30-36 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
Required Courses		
Professional Education Component		
EDU 589	Advanced Internship for the MAT	6
EDU 520	Planning for Instruction [1]	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
Electives		
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
Total Hours		**36**

[1]   Must be taken in the first 6 hours

Residency Concentration (30 hours)

(for Science and Mathematics Education (e.g. GSKyTeach))

Code	Title	Hours
Required Courses		
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

Code	Title	Hours
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
Total Hours		**30**

Middle Grades Education, Rank I (158)

Program Coordinator
Andrea Paganelli, andrea.paganelli@wku.edu, (270) 745-4420

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 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)

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
Required Courses		
Professional Education Component		
EDU 601	Seminar: Advanced Professional Development Plan [1]	1
ELED 603	Advanced Seminar Elementary Curriculum	3
EDU 604	Management Learning Environment	3
SPED 516	The Exceptional Child: Perspectives and Issues [2]	3
EDU 698	Seminar: Advanced Portfolio Project [3]	2
Electives		
Advisor-approved professional courses		6
Advisor-approved specialization courses		12
Total Hours		**30**

[1] Students should enroll in EDU 601 within the first 7 hours of course work in the Non-Degree Planned Rank I or Specialist Degree.

[2] An approved elective may be substituted if an introductory Exceptional Education course is on the student's transcript.

[3] 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

Andrea Paganelli, andrea.paganelli@wku.edu, (270) 745-4420

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 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)

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
Required Courses		
Professional Education Component		
EDU 604	Management Learning Environment	3
EDU 501	Seminar: Designing Professional Development Plan [1]	2
EDU 596	Seminar: Portfolio Development and Professional Educator Growth Plan [2]	1-2

Electives	
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 [3]	
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	
Total Hours	**30**

[1] Students should enroll in this course within the first 7 hours of the program.

[2] 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.

[3] 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

Andrea Paganelli, andrea.paganelli@wku.edu, (270) 745-4420

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[1] for Secondary Education (Grades 8-12, 5-12, or P-12).

[1]   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 School Admission

Please refer to the admission section (http://catalog.wku.edu/graduate/admission/) of this catalog for Graduate School 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
Required Courses		
Professional Education Core		
TCHL 500	Foundations of Teacher Leadership [1]	3
TCHL 530	Curriculum Development	3
TCHL 545	Classroom Instruction Strategies [2]	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) [3]		
Total Hours		**33-39**

[1]   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.

[2]   All students must complete these courses or pass proficiency evaluations for these courses.

[3]   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, Learning and Behavior Disorders, Master of Arts in Teaching (0456)

Program Coordinator
Andrea Paganelli, andrea.paganelli@wku.edu, (270) 745-4420

The Special Education Initial Certification in Learning and Behavior Disorders (LBD) program, which will lead to a Master of Arts in Teaching, is for individuals seeking initial certification in LBD and may or may not be currently employed as a teacher of students with Learning and Behavior disorders. 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 learning and behavioral disabilities, prescriptive teaching, managing behavioral disorders and positive

behavior supports, research in special education, 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 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.

Students must submit passing scores on the Praxis II 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 II 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).
- Submit the state required passing score on the Core Academic Skills for Educators (CASE).
- Submit documentation to satisfy partial criteria for admission to professional education, including references, physical including TB test, signed commitment to uphold the code of ethics, and criminal background check.

Application Deadline Notes

Along with all Graduate School studies admission deadlines (see current graduate catalog), for priority consideration for admission to the Special Education Initial Certification: Learning and Behavior Disorders MAT program, students should submit application materials to the Graduate School by the following dates:

- Summer Admission: March 1
- Fall Admission: May 1
- Spring Admission: November 1

Students submitting materials after the above deadline dates cannot be guaranteed that applications will be reviewed in time for admission for the upcoming term nor that course space will be available.

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 (33 hours)

Code	Title	Hours
Required Courses		
SPED 515	Education of Exceptional Children	3
PSY 510	Advanced Educational Psychology	3
SPED 530	Advanced Assessment Techniques	3
LTCY 519	Literacy Development and Instruction	3
SPED 531	Advanced Prescriptive Teaching	3
SPED 533	Seminar: Curriculum for Learning and Behavior Disorders	3
SPED 630	Special Education Law and Finance	3
SPED 502	Positive Behavior Supports	3
SPED 590	Advanced Internship in Exceptional Education [1]	6
SPED 525	Intervention Support for Students with Dyslexia and Other Reading Disabilities	3
Total Hours		**33**

[1] Students currently teaching in a classroom serving students with Learning and Behavior Disorders may use their current teaching position to meet this requirement with advisor approval. Students not currently teaching must complete an internship experience that is equivalent to state requirements for student teaching in a classroom serving students with Learning and Behavior Disorders.

Special Education for Learning and Behavior Disorders, Master of Arts in Education (0457)

Program Coordinator
Andrea Paganelli, andrea.paganelli@wku.edu, (270) 745-4420

This program is designed to develop teachers who can positively impact student learning in their classrooms and schools while serving students with special needs. The MAE in Special Education is for those seeking advanced preparation or additional teacher certification. Advanced preparation programs include course work that prepares students to serve individuals with Learning and Behavior Disorders (LBD),

The MAE in Special Education for Learning and Behavior Disorders provides a choice of three pathways which are dependent upon an applicant's current certification, and their desired additional certification sought. The three pathways may lead to certification in Learning and Behavior Disorders (LBD).

Students are expected to become competent in theory, research, and application of best teaching practices related to exceptional students and exhibit appropriate teacher disposition behaviors as indicated by the College of Education and Behavioral Sciences Teacher Disposition Rating Form. Note: To be eligible to be recommended for certification as a teacher for Exceptional Children (Grades P-12), Learning and Behavior

Disorders, students must document that they have received passing score(s) on the required Praxis II examination(s).

Program Admission

The MAE in Special Education for Learning and Behavior Disorders offers courses and experiences for the advanced preparation of teachers holding certification in any P-12 certification area.

Applicants who are currently certified or hold a Kentucky Statement of Eligibility in a P-12 area must submit a copy of the certificate or statement of eligibility with their applications.

[1] 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.

Application Deadline Notes

Along with all Graduate School admission deadlines (see current graduate catalog), for priority consideration for admission to the Special Education Learning and Behavior Disorders program students should submit application materials to the Graduate School by the following dates:

- Summer Admission: March 1
- Fall Admission: May 1
- Spring Admission: November 1

Students submitting materials after the above deadline dates cannot be guaranteed that applications will be reviewed in time for admission for the upcoming term nor that course space will be available.

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)

Code	Title	Hours
Required Courses [1]		
SPED 501	Introduction to Applied Behavior Analysis	3
SPED 534	Research in Exceptional Child Education	3
SPED 530	Advanced Assessment Techniques	3
SPED 630	Special Education Law and Finance	3
SPED 595	Advanced Preparation Capstone for Special Education [2]	3
Select one of 3 pathways based on prior certification		**15**
1. Advanced Pathway (for students holding prior LBD certification) 15 hours		
SPED 502	Positive Behavior Supports	
SPED 517	Transition Services and Programs for Individuals with Disabilities (Advisor Approved Electives)	
SPED 525	Intervention Support for Students with Dyslexia and Other Reading Disabilities	
Advisor Approved Electives (select 6 hours)		
ELED 571	Leadership, Math and Technology Education	
IECE 520	Organizing Programs for Early Childhood Special Education	
LITE 535	Survey of Educational Technology Practices	
GTE 536	Nature and Needs of Gifted, Creative, and Talented Students	
PSY 540	Behavior Problems of Childhood and Adolescence	
SPED 531	Advanced Prescriptive Teaching	
2. Certification Pathway (for students holding prior MSD certification) 15 hours		
SPED 533	Seminar: Curriculum for Learning and Behavior Disorders [3]	
SPED 517	Transition Services and Programs for Individuals with Disabilities [3]	
Advisor Approved Electives (select 9 hours)		
EDU 522	Foundations of Differentiated Instruction	
GTE 536	Nature and Needs of Gifted, Creative, and Talented Students	
LITE 535	Survey of Educational Technology Practices	
LTCY 527	Diversity and Equity in Literacy Education	
SPED 531	Advanced Prescriptive Teaching	
3. Certification Pathway (for students holding certification in any other area than Exceptional Education LBD or MSD) 15 hours		
SPED 517	Transition Services and Programs for Individuals with Disabilities [3]	
SPED 525	Intervention Support for Students with Dyslexia and Other Reading Disabilities	
SPED 531	Advanced Prescriptive Teaching [3]	
SPED 532	Families, Professionals and Exceptionalities [3]	
SPED 533	Seminar: Curriculum for Learning and Behavior Disorders [3]	
Total Hours		**30**

[1] Teacher candidates who enter the program without having completed an introductory exceptional education course must complete SPED 516 which will add an additional 3 hours to the required total program hours.

[2] Students must submit a passing score on the Praxis II prior to enrollment in SPED 595 and should take SPED 595 as their final course in their program. Students currently teaching may use their current teaching position to meet this requirement if they are teaching in the subject area and grade level for which they are seeking certification. Students not currently teaching in a setting serving students with Learning and Behavior Disorders must complete an internship experience that consists of field experience hours in an approved setting serving students with disabilities consistent with the subject area and grade level for which they are seeking certification.

[3] Field based requirement.

Program Completion Requirements

- Students must successfully complete SPED 595 (course grade of Pass) and present research results in an approved venue.
- Students must achieve a minimum 3.0 cumulative GPA overall and in program course work.

Special Education for Moderate and Severe Disabilities, Master of Arts in Education (0438)

Program Coordinator

Andrea Paganelli, andrea.paganelli@wku.edu, (270) 745-4420

The Special Education program area offers courses and experiences for the advanced preparation of special education teachers in Moderate and Severe Disabilities.

Program Admission

The Special Education program area offers courses and experiences for the advanced preparation of special education teachers in Moderate and Severe Disabilities.

Admission criteria vary depending on the status of the applicant's current teaching license.

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 School Admission

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

Program Requirements (33-39 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.

For candidates without current certification in Special Education for Learning and Behavior Disorders or Moderate and Severe Disabilities, additional courses must also be completed.

Code	Title	Hours
Required Courses		
SPED 501	Introduction to Applied Behavior Analysis	3
SPED 502	Positive Behavior Supports	3
SPED 615	Instructional Strategies for Students with Developmental Disorders and Autism Spectrum Disorder	3
SPED 618	Social Skills Instruction & Behavioral Programming for Students with DD/ASD	3
SPED 517	Transition Services and Programs for Individuals with Disabilities	3
SPED 612	Collaboration with Schools and Agencies for Individuals with DD/ASD	3
SPED 611	Advanced Capstone for Low Incidence Disabilities, DD/ASD/MSD	3
SPED 535	Curriculum for Individuals with Moderate and Severe Disabilities	3
SPED 610	Characteristics of Low Incidence Disorders	3
SPED 529	Assessment of Students with Severe Disabilities	3
LITE 535	Survey of Educational Technology Practices	3
Additional Required Courses for Students without an Initial LBD or MSD license		0-6
SPED 630	Special Education Law and Finance (3 hrs)	
SLP 518	Alternative and Augmentative Communication Modalities (3 hrs)	
Total Hours		**33-39**

Teacher Education for Initial Certification, MAT (0495)

Program Coordinator

Andrea Paganelli, andrea.paganelli@wku.edu, (270) 745-4420

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 5-12 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)
- 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.
- Letter of application including professional goals
- Criminal background check
- Three letters of reference
- Physical examination (including TB test)
- Signed code of ethics
- PRAXIS II test with a passing score in the undergraduate major (not required for elementary concentration)

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)

Elementary Education Concentration

Code	Title	Hours
Required Courses		
EDU 589	Advanced Internship for the MAT	6
PSY 510	Advanced Educational Psychology	3
SPED 515	Education of Exceptional Children	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/El 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
Total Hours		**30**

Middle or Secondary Education Concentration

Code	Title	Hours
Required Courses		
EDU 589	Advanced Internship for the MAT	6
PSY 510	Advanced Educational Psychology	3
SPED 515	Education of Exceptional Children	3
LTCY 519	Literacy Development and Instruction	3
or LTCY 510	Methods of Teaching Literacy to Adolescents	
EDU 520	Planning for Instruction [1]	3
EDU 522	Foundations of Differentiated Instruction	3

Code	Title	Hours
EDU 570	Educational Assessment for P-12 Learners	3
LITE 535	Survey of Educational Technology Practices	3
Choose one content-specific methods course: [2]		3
SEC 534	Seminar in Mathematics Education	
SEC 535	Seminar in Music 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	
MLNG 474G	Teaching Foreign Language	
AGED 570	Methods of Teaching in Agriculture Education	
KIN 520	Teaching Strategies in Physical Education	
Total Hours		**30**

[1] Should be completed within the first 6 hours.

[2] Other courses may be approved by advisor. Students may not duplicate courses from other completed programs.

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
Required Courses		
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
Total Hours		**30**

College of Health and Human Services

Dr. Tania Basta, Dean
Dr. Danita Kelley, 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.

South Central Kentucky Area Health Education Center (AHEC)

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.

- Opportunities to enhance cultural competency by working with Old Order Mennonite communities and New Americans.

CHHS Center for Environmental and Workplace Health (CEWH)

www.wku.edu/cewh (https://www.wku.edu/cewh/)
Dr. Gretchen Macy (gretchen.macy@wku.edu), Co-Director
(270) 745-5870

Dr. Edrisa Sanyang (edrisa.sanyang@wku.edu), Co-Director
(270) 745-3500

The mission of CEWH is to address environmental, occupational, and workplace health and safety issues through innovative education, research, partnerships, and service.
Objectives of the Center:

- Promote research, creativity and scholarly activity by faculty and students.
- Prepare students for lifelong learning and success.
- Enhance the diversity and international profile of faculty, staff and student populations.
- Expand WKU's economic impact on the region through student, faculty, and staff engagement.

CEWH serves to address environmental, occupational, and workplace safety and health research in the region. CEWH engages faculty, staff, and students through innovative research that enhances education, partnerships, and service offered by CHHS. CEWH brings together disciplines throughout CHHS and WKU to improve the health of the community and workers by understanding the risks and conditions associated with environmental and occupational diseases and injuries, to explore methods for reducing risks and for preventing or minimizing exposure to hazardous conditions in the environment and workplace, and to translate significant scientific findings into prevention practices, products, and innovations that will effectively reduce environmental and work-related hazards, illnesses, and injuries.

CHHS Center for Applied Science in Health and Aging (CASHA)

Dr. Jason Crandall (jason.crandall@wku.edu), Co-Director
(270) 745-2077

Dr. Matthew Shake (matthew.shake@wku.edu), Co-Director
(270) 745-3918

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 (https://www.wku.edu/childwelfare/)
Dr. Austin Griffiths (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.

WKU Cardiopulmonary Resuscitation (CPR) Training Center

www.wku.edu/scahec/cpr.php (https://www.wku.edu/scahec/cpr.php)
Gerita Cook (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: Healthcare Provider; Heartsaver CPR (adult, pediatric, infant) and first aid; and instructor courses for all disciplines.

Departments and Programs

- Kinesiology, Master of Science (0454) (p. 93)
- Nonprofit Administration, Certificate (0463) (p. 95)
- Recreation and Sport Administration, Master of Science (095) (p. 95)
- School of Nursing and Allied Health (p. 97)
  - Family Nurse Practitioner, Post-MSN Certificate (0449) (p. 97)
  - Nursing Practice, Doctor of Nursing Practice (0011) (p. 98)
  - Nursing, Master of Science in Nursing (149) (p. 100)
  - Psychiatric Mental Health Nurse Practitioner, Post-MSN Certificate (0479) (p. 102)

Department of Applied Human Sciences

Travis Wilson, Department Head
Academic Complex 302F
(270) 745-4352
ahs@wku.edu

Programs

- Child and Family Studies, Master of Science (0489) (p. 80)
- Dietetic Practice, Certificate (0451) (p. 81)

Faculty

Professor

Darbi J. Haynes-Lawrence PhD (Special Education), Indiana University-Bloomington, 1998
Travis K. Wilson MARCH (Architecture), University of Oklahoma Norman, 1998

Associate Professor

Carolyn Cox PhD (Textile & Apparel Management), University of Missouri-Columbia, 1999
Karen G. Mason PhD (Nutritional Science), University of Kentucky, 2002
Heather M. Payne-Emerson PhD (Nutritional Science), University of Kentucky, 2010
Adam R. West PhD (Human Development and Family Science), University of Texas at Austin, 2013

Assistant Professor

Ann E. Embry PhD (Hospitality Management), Iowa State University, 2017
Qingfang Song PhD (Developmental Psychology), Cornell University, 2016

Child and Family Studies, Master of Science (0489)

Program Coordinator

Adam R. West, adam.west@wku.edu, (270) 745-5138

This program is designed to provide advanced study in the growth and development of the individual and family. The program builds competence in human development, integration of theory into practice, program development, and research—preparing graduates to critically evaluate and synthesize issues related to children, youth, and families. Fieldwork is incorporated in the curriculum.

Program Admission

1. An overall GPA of at least 2.75 (on a 4.0 scale) for all hours earned past the first 60-semester or 90-quarter hours of the baccalaureate degree.
2. A 2-3 page letter of professional intent describing professional interests and career goals.
   The letter of professional intent should be a measure of an applicant's writing style and writing ability and is expected to be well organized, free of typing and grammatical errors, and clearly written. It should have an introduction, clearly stated purpose, and contents that demonstrate the best impression of the applicant's writing. The letter of professional intent should articulate and demonstrate your specific qualifications for the program of study. We are interested in an applicant's reasoning for their intended course of study; therefore, each of the following points must be addressed:
   - Why do you want to pursue this degree?
   - What are your career goals once you complete the program?
   - Describe an impactful situation or experience you have had working with children, youth, and/or families.
   - Describe the most important characteristics and qualities needed by professionals in working with children, youth, and/or families and where you stand relative to developing them.
3. Three letters of reference from previous instructors, colleagues, or supervisors indicating the applicant's ability to succeed in graduate classes.

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)

Code	Title	Hours
Required Courses		
FACS 510	Professional Development Seminar in Family and Consumer Sciences	3
FACS 511	Grant Writing for Child and Family Programs	3
EDFN 500	Research Methods	3
FACS 577	Child Development Theory and Research	3
or FACS 550	Youth and Family Theory and Research	
FACS 580	Internship	3-6
or FACS 599	Thesis Research/Writing	
Electives [1]		**12-15**
FACS 540	Infant and Toddler Development and Research	
FACS 541	Home Based Positive Behavioral Supports	
FACS 542	Stress and Coping in Children	
FACS 543	Global Perspectives of Child and Family	
FACS 544	Issues in Child Care and Early Education	
FACS 551	Community, Child, & Youth Program Development	
FACS 560	Family Diversity	

FACS 561	Adult Development and Aging in the Family	
FACS 562	Advanced Family Resource Management	
FACS 575	Independent Study in Family and Consumer Sciences	
FACS 598	Special Topics in Family and Consumer Sciences	
EDFN 603	Qualitative Research in Education	
EDFN 501	Educational Statistics	
Total Hours		**30**

[1]   Electives must be approved by advisor.

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 (R.D.) 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 12 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/).
- Submitted an application for admission to WKU Graduate School with appropriate fee (after being accepted into the Dietetic Internship).

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
Required Courses		
HMD 583	Foodservice Systems Management	3
HMD 584	Community Nutrition	3
HMD 586	Medical Nutrition Therapy in Practice	3
HMD 587	Seminar in Concepts and Methods of Dietetic Practice	3
Total Hours		**12**

Department of Communication Sciences and Disorders

Kimberly Green, (Interim) 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. 82)

Faculty

Associate Professor

Lauren E. Bland PhD (Communication Disorders), University of Cincinnati Main Campus, 1995
Barbara R. Brindle PhD (Education, Speech Pathology and Audiology), University of Virginia, 1994
Kimberly J. Green EdD (Educational Leadership, Postsecondary Leadership), Western Kentucky University, 2015

Assistant Professor

Jenny M. Burton PhD (Communication Disorders and Sciences), University of Cincinnati Main Campus, 2019
Ashley C. Fox PhD (Educational Leadership and Organizational Development), University of Louisville, 2010
Brian K. Weiler PhD (Hearing and Speech Sciences), Vanderbilt University, 2016

Clinical Assistant Professor

Brittney R. Vickous MS (Communication Disorders), Western Kentucky University, 2011

Clinical Associate Professor

Jeffrey A. Barefoot AUD (Audiology), A T Still University of Health Scien, 2013
Courtney A. Hatcher PhD (Rehabilitation Sciences), University of Kentucky, 2017

Leisa S. Hutchison MSED (Special Education, Speech and Communication Disorders), University of Kentucky, 1986
Leigh Anne Roden EdD (Educational Leadership, P-12 Leadership), Western Kentucky University, 2011

Instructor II

Janice C. Smith PhD (Rehabilitation Sciences), University of Kentucky, 2015

Speech-Language Pathology, Master of Science (0466)

Program Coordinator

Lauren E. Bland, lauren.bland@wku.edu, (270) 745-8860

This program is designed to prepare professional speech-language pathologists to meet the needs of the communicatively handicapped in hospitals, clinics, nursing facilities, and schools. It is also designed to 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:

- GRE Verbal score of 143
- GRE Writing score of 3.5
- 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.

Applicants must also submit along with an application to the Graduate School:

1. Written essay - The essay 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 essay was written should be noted at the top. Visit www.wku.edu/communicationdisorders (http://www.wku.edu/communicationdisorders/) for designated topic when applying.
2. 3 references listed with the reference's name, relationship to the applicant, address, phone number, and email address. Letters of recommendation should NOT be sent.
3. Official GRE score report. Exam must be completed within the past 5 years.
4. Official transcripts from all colleges attended.
5. Departmental Application must be completed and submitted to the Department of Communication Sciences and Disorders
6. Finalists may be contacted to provide a short video presentation and/or interview to assess interpersonal communication.

Applications to the Speech-Language Pathology graduate program will be ranked based on scores in the following areas:

- Verbal score of the GRE
- Writing score of the GRE
- Cumulative GPA
- Written 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.

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 (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 School 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 the graduate school.

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
Required Courses		
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	Neurology 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

Electives	
Select 12 hours of electives [1]	12
Total Hours	**60**

[1]   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), 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

Programs

- Physical Therapy, Doctor of Physical Therapy (0013) (p. 83)

Faculty

Associate Professor

Karen E. Furgal DPT (Physical Therapy), SUNY at Stony Brook, 2008
Penny L. Head PhD, Rocky Mtn University of Health Profe, 2019
Kurt R. Neelly PhD (Education), University of Kansas Medical Center, 2002
Elizabeth S. Norris PhD (Health Sciences), Seton Hall University, 2003
Sonia N. Young EdD (Educational Leadership), University of the Cumberlands, 2013

Assistant Professor

David L. Bell DPT (Physical Therapy), University of Kentucky, 2012
Michael W. Kennedy DPT (Physical Therapy), University of Kentucky, 2012

Physical Therapy, Doctor of Physical Therapy (0013)

Program Coordinator
Elizabeth S. Norris, elizabeth.norris@wku.edu, (270) 745-3188

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 serve the healthcare and preventative needs of the Commonwealth of Kentucky, including rural and under-served areas, by developing culturally competent, caring, autonomous physical therapists who will engage in evidence based practice, critical thinking, professional behavior, life-long learning, and community/professional service.

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 <u>will be more competitive</u>.
   - A score of 3.5 out of 6 on the analytical writing section of the GRE <u>will be more competitive</u>.
5. Physical Therapy Observation Hours:
   - Hours are not required, but are considered. Total number of PT observation hours recommended is 100 hours.
   - Hours must be reported and verified via Physical Therapist Centralized Application Service (PTCAS).
6. Application materials:

   - Applicants are required to apply to **BOTH** Physical Therapist Centralized Application Service (PTCAS) and the WKU Graduate School
     - **NOTE**: **materials must be sent to both locations, there is no communication between PTCAS and the WKU Graduate School.**
   - 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 School Application Requirements:
     - Application & fee per the WKU Graduate School
     - Send official transcripts from all college, university, and professional coursework to WKU Graduate School, even if you do not have a grade for the course (i.e. course in progress)
     - Send official GRE scores to WKU Graduate School (code 0557)

Early and Standard Applications: (Applicants are required to apply to **BOTH** PTCAS and WKU Graduate School)

- **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 School Application requirements (application, fee, transcripts, and GRE

scores) must be received electronically by the WKU Graduate School 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 School Application requirements (application, fee, transcripts, and GRE scores) must be received electronically by the WKU Graduate School 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 School Admission

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

Program Requirements (118 hours)

Code	Title	Hours
Required Courses		
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 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	2
DPT 729	Pharmacology in Physical Therapy	2
DPT 736	Neuroanatomy	3
DPT 738	Motor Control	2
DPT 739	Foundations for Physical Rehabilitation	3
DPT 740	Physical Modalities	3
DPT 742	Diagnostic Testing and Imaging	2
DPT 745	Integumentary System	2
DPT 746	Orthopaedic Assessment	4
DPT 747	Women's Health in Physical Therapy	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	Orthopaedic Rehabilitation	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	3
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
Total Hours		**118**

Department of Public Health

William Mkanta, Department Head
Academic Complex 133
(270) 745-4797
public.health@wku.edu

Programs

- Environmental and Occupational Health Science, Master of Science (0473) (p. 86)
- Environmental Health and Safety, Certificate (0427) (p. 87)
- Epidemiology, Certificate (1751) (p. 87)
- Global Health Administration, Certificate (1735) (p. 88)
- Health Administration, Master of Health Administration (153) (p. 88)
- Health Education, Certificate (0494) (p. 89)
- Public Health, Master of Public Health (152) (p. 89)
- Workplace Health Promotion, Certificate (1746) (p. 90)

Faculty

Professor

William N. Mkanta PhD (Health Services Research), University of Florida, 2005

Ritchie D. Taylor PhD (Environmental Science), University of North Texas, 2002

Associate Professor

Gregory E. Ellis-Griffith PhD (Administration/Health Services), University of Alabama at Birmingham, 2010

Marilyn M. Gardner PhD (Health Ed Promotion), The University of Alabama, 1999

Gretchen M. Macy EdD (Kinesiology and Health Promotion), University of Kentucky, 2012

Assistant Professor

Kristen L. Brewer PhD (Education (Health Education)), Southern Illinois University Carbondale, 2021

Xiuhua Ding PhD (Epidemiology and Biostatistics), University of Kentucky, 2016

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

Michelle C. Reece PhD (Public Health), East Tennessee State University, 2014

Edrisa Sanyang PhD (Occupational & Environmental Health (Industrial Hygiene)), University of Iowa, 2016

Pedagogical Associate Professor

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

Instructor I

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, (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).

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 approximately five years. Contact the graduate program coordinator for additional information.

Program Admission

In addition to Graduate School admission requirements, admission requires the equivalent of an undergraduate major in environmental health science 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) A cumulative GPA of greater than 3.0 on a 4.0 scale in the Environmental Health and Safety graduate certificate program; 2) a cumulative GPA from a U.S. regionally accredited university of at least a 3.2 on a 4.0 scale; or, 3)Minimums of 139 for the GRE Verbal Score and 139 for the GRE Quantitative Score.

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 (36 hours)

Code	Title	Hours
Required Courses		
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 577	Environmental Toxicology	3
PH 501	Research Methods	3
PH 520	Biostatistics for Public Health	3
PH 582	Epidemiology	3
PH 584	Principles of Environmental Health	3
Electives		
Select 6 hours (thesis option students) or 9 hours (applied practice experience option students) from the following: [1]		6-9
EOHS Electives		
EOHS 510	Watershed Management and Science	
EOHS 570	Industrial Hygiene	
EOHS 571	Air Quality Management	
EOHS 572	Environmental and Occupational Epidemiology	
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	
Workplace Health Promotion Electives		
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	
Culminating Experience		
PH 599	Thesis Research/Writing (6 hrs) [2]	3-6
or EOHS 546	Environmental & Occupational Health Science Internship	
or PH 588	Public Health Capstone	
Total Hours		**36**

[1]   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.

Environmental Health and Safety, Certificate (0427)

Program Coordinator
Edrisa Sanyang, edrisa.sanyang@wku.edu, (270) 745-3500

The certificate program in Environmental Health and Safety is designed to provide advanced professional training for careers focused on the protection of human and ecosystem health from hazards in the built and natural environments. Designed for working professionals and students desiring opportunities with industry, consulting firms, government agencies, and other environmental 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 environmental health science, and approval by the program director.

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
Required Courses		
EOHS 577	Environmental Toxicology	3
PH 584	Principles of Environmental Health	3
EOHS 580	Solid and Hazardous Wastes	3
Electives		
Select 6 hours of the following: [1]		6
EOHS 510	Watershed Management and Science	
EOHS 550	Principles of Occupational Safety and Health	
EOHS 560	Environmental Management and Risk Assessment	
EOHS 571	Air Quality Management	
EOHS 572	Environmental and Occupational Epidemiology	
EOHS 595	Public Health Management of Disasters	
Total Hours		**15**

[1]   Other elective courses may be chosen with advisor approval.

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 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
Required Courses		
PH 581	Applied Methods in Public Health Practice/Field Epidemiology	3
PH 582	Epidemiology	3
PH 630	Advanced Epidemiology	3
Elective		
Select 3 hours from the following: [1]		3
PH 620	Advanced Biostatistics	
EOHS 572	Environmental and Occupational Epidemiology	
Total Hours		**12**

[1]   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 knowledge in global engagement in health administration, health policy, health systems and service delivery.

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.

Program Requirements (15 hours)

Code	Title	Hours
Required Courses		
HCA 547	Global and Comparative Health Systems	3
HCA 559	Global Health Service-Learning Practicum	3
Electives		
HCA 541	Strategic Management & Marketing of Health Services	3
or HCA 543	Health Care Quality and Accountability	
or HCA 586	Health Economics & Policy	
GERO 581	Global Aging [1]	3
or GWS 555	Global and Cross-Cultural Perspectives on Women	
PH 583	Public Health Administration [1]	3
or PH 585	International Health	
Total Hours		**15**

[1]   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 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 consulting firms. There are two options MHA options for candidates who meet the admission requirements: the traditional or residential MHA program and the online Executive MHA program. Both programs consist of 42 semester hours but with different admission requirements as shown below.

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 approximately five years. Contact the graduate program coordinator for additional information.

Program Admission

Students from various undergraduate backgrounds, who meet the university graduate admissions requirements, including a 2200 GAP score (the product of GRE and overall undergraduate GPA) or the equivalent required for general admission to Graduate School, may be admitted to the program. Applicants must score at least 450 on each of the two GRE sections (verbal + quantitative) in order to be considered for admission unless conditional admission is given, and must score a 3.5 or better on the Analytical Writing section. International students must also submit a letter of intent regarding the MHA Program degree and attain the minimum acceptable TOEFL or IELTS Academic Version test scores as stipulated by the Graduate School. For the Executive Master of Health Care Administration Program option, health care executives, physicians and other health care professionals with at least five years of work experience who otherwise meet university admission criteria in the application for the MHA program are not required to take the GRE. Evidence of outstanding performance in health services would be required and interviews shall be conducted on a case-by-case basis in the admission decision for health care professionals with less than five years of work experience.

Graduate School Admission

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

Degree Requirements (42 hours)

Code	Title	Hours
Required Courses		
PH 520	Biostatistics for Public Health	3
PH 582	Epidemiology	3
PH 583	Public Health Administration	3
PH 587	Health Behavior	3
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
Electives		
Select 3 hours of the following:		3
HCA 555	Healthcare Preparedness and Leadership	
HCA 556	Ambulatory Care/Rural Health	
HCA 572	Special Topics in Health Services	
PH 584	Principles of Environmental Health	
HCA 544	Healthcare Systems Design and Behavior	
HCA 564	Health Systems Informatics	
HCA 574	Decision Making in Health Care	
Other courses may be selected with permission of advisor		
Select one of the following options:		6
Internship Option:		
HCA 546	Graduate Internship	
Thesis Option:		
PH 599	Thesis Research/Writing	
Executive Option:		
Two 3-hour courses in a concentration area		
Total Hours		**42**

Health Education, Certificate (0494)

Program Coordinator
Marilyn M. Gardner, marilyn.gardner@wku.edu, (270) 745-5864

The Health Education Certificate imparts the knowledge and skills necessary for health educators, and is aligned with the seven areas of responsibility outlined by the National Commission for Health Education Credentialing (NCHEC) for Certified Health Education Specialists (CHES).

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.

Program Requirements (12 hours)

Code	Title	Hours
Required Courses		
PH 587	Health Behavior	3
PH 575	Program Planning in Public Health Practice	3
PH 576	Public Health Education and Communication Techniques	3
or COMM 553	Health Communication Campaigns	

PH 548	Community Health Organization	3
Total Hours		**12**

Public Health, Master of Public Health (152)

Program Coordinator
Marilyn M. Gardner, marilyn.gardner@wku.edu, (270) 745-5864

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 approximately five years. Contact the graduate program coordinator for additional information.

Program Admission

In addition to the criteria set forth by the graduate school, applicants must meet one the following criteria to be fully admitted into the MPH program:

- GRE minimums of 145 verbal, 148 quantitative, and 3.0 analytical writing score; OR
- cumulative undergraduate GPA of at least 3.2 on 4.0 scale from a regionally-accredited US institution of higher education; 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
- cumulative undergraduate GPA of at least 3.0 on 4.0 scale from a regionally-accredited US institution of higher education and a minimum of three years of professional public health experience.

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.
2. Resume or Curriculum Vitae
3. Contact information for at least two professional references

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 (42 hours)

Code	Title	Hours
Required Core		
PH 520	Biostatistics for Public Health	3
or PH 620	Advanced Biostatistics	
PH 575	Program Planning in Public Health Practice	3
PH 578	Health Disparities	3
PH 580	Introduction to Public Health	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 Health Organization	3
PH 587	Health Behavior	3
PH 591	Health Program Evaluation	3
Electives		
Advisor approved electives		12
Total Hours		**42**

Workplace Health Promotion, Certificate (1746)

Program Coordinator

Gretchen M. Macy, 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 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
Required Courses		
EOHS 502	Health Promotion in the Workplace	3
PH 575	Program Planning in Public Health Practice	3
PH 587	Health Behavior	3
EOHS 503	Health Assessment in Workplace	3
EOHS 550	Principles of Occupational Safety and Health	3
Total Hours		**15**

Department of Social Work

Patricia Desrosiers, Department Head
Academic Complex 211
(270) 745-5312
swrk@wku.edu

Programs

- Social Work, Master of Social Work (157) (p. 90)

Faculty

Professor

Amy C. Cappiccie PhD (Social Work), University of Louisville, 2006
Wesley J. Gabbard PhD (Social Work), The University of Alabama, 2004
Dana J. Sullivan PhD (Social Work), University of Louisville, 2003

Associate Professor

Patricia L. Desrosiers PhD (Social Work), University of Louisville, 2009
Gayle M. Mallinger PhD (Social Work), University of Pitts Pittsburgh Camp, 2010
April L. Murphy PhD (Social Work), University of Louisville, 2012

Assistant Professor

Austin G. Griffiths PhD (Social Work), University of Kentucky, 2017
Whitney R. Harper PhD (Human Devl and Family Studies), Michigan State University, 2015

Instructor I

Lynn M. Hazlett MSW, Western Kentucky University, 2010
Sandra S. McClain MSW (Social Work), Western Kentucky University, 2007
Kellye M. McIntyre MSW (Social Work), Western Kentucky University, 2003
Erin T. Warfel MSW (Social Work), Bryn Mawr College, 2001

Instructor II

Allison Gibson MSSW (Social Work), University of Louisville, 2005

Social Work, Master of Social Work (157)

Program Coordinator

Amy C. Cappiccie, amy.cappiccie@wku.edu, (270) 745-3820

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 33 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
- Advanced Standing Program

Program Admission

Admission Requirements for the 60 hour Traditional Program Concentration

1. 2.75 or greater GPA based on the last 60 hours of undergraduate and/or graduate semester credit hours prior to admission. Students with a lower GPA must take the Graduate Record Exam (GRE) and achieve minimum scores of 139 on each of the sections (verbal and quantitative) and apply for Alternate Admissions (See Alternate Admissions and Admissions Appeal Process). All GRE scores must have been taken within 5 years of the application date.
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. Demonstrated competence in the use of basic statistical methods through completion, with a minimum grade of "C", of an undergraduate or graduate course covering the portion of the research process involving the quantitative manipulation and analysis of data. This course should cover descriptive and inferential statistics. The student must submit documentation that this prerequisite has been met prior to program admission. Any course presented to fulfill the statistical competence requirement must have been completed within seven years prior to admission into the MSW program.
5. 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.
6. Students at or above a 2.75 GPA on the last 60 hours of undergraduate and/or graduate semester credit hours (prior to admission) applying for the 60 hour Traditional Program who otherwise meet admission criteria in the application for the MSW program are not required to take the GRE for admission.
7. 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 and 800 on the GRE 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 and 800 GRE score 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; and/or
3. Outstanding work experience in human services (volunteer or paid).

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 GPA based on the last 60 hours of undergraduate and/or graduate credit hours. Alternate Admissions is not an option for the Advanced Standing Program.
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. The GRE is not considered for admission to the Advanced Standing Program.
5. A Western Kentucky University Master of Social Work program application, personal statement, and writing sample.
6. Three completed WKU Master of Social Work program reference forms.
7. Demonstrated competence in the use of basic statistical methods through completion, with a minimum grade of "C", of an undergraduate or graduate course covering the portion of the research process involving the quantitative manipulation and analysis of data. This course should cover descriptive and inferential statistics. The student must submit documentation that this prerequisite has been met prior to program admission. Any course presented to fulfill the statistical competence requirement must have been completed within seven years prior to admission into the MSW program.
8. 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.

9. An interview may be 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 (33-60 hours)

Traditional Program Concentration (60 hours)

Code	Title	Hours
Required Courses		
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 with advisor approval		9
Total Hours		**60**

Advanced Standing Program Concentration (33 hours)

Code	Title	Hours
Required Courses		
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

Code	Title	Hours
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 6 hours with advisor approval [1]		6
Total Hours		**33**

[1] 3 hour elective may be taken in winter or summer term

School of Kinesiology, Recreation and Sport

Paula Upright, (Interim) Director
Smith Stadium East 1004
(270) 745-3347
krs@wku.edu

Programs

- Facility and Event Management, Certificate (0455) (p. 93)
- Intercollegiate Athletic Administration, Certificate (0481) (p. 93)
- Kinesiology, Master of Science (0454) (p. 93)
- Nonprofit Administration, Certificate (0463) (p. 95)
- Recreation and Sport Administration, Master of Science (095) (p. 95)

Faculty

Professor

Raymond A. Poff PhD (Leisure Behavior), Indiana University-Bloomington, 2001

Ronald D. Ramsing PhD (Parks, Recreation, and Tourism), University of Utah, 2005

Associate Professor

Scott W. Arnett PhD (Exercise Science), University of Georgia, 2007

Kenneth J. Crandall PhD (Exercise and Sport Science), University of Utah, 2004

Keri A. Esslinger PhD (Kinesiology), University of Arkansas Main Campus, 2010

Tricia A. Jordan PhD (Educational Leadership & Organizational Development), University of Louisville, 2009

Evelyn M. Oregon PhD (Kinesiology), Michigan State University, 2013

Mark A. Schafer PhD (Health and Physical Activity, Exercise Physio Clin Res Trac), University of Pitts Pittsburgh Camp, 2007

Tammie L. Stenger-Ramsey EdD (Applied Educational Studies), Oklahoma State University Main Campus, 2001

Thomas B. Stinnett PhD (Educational Leadership and Organizational Development), University of Louisville, 2013

Rachel A. Tinius PhD (Movement Science), Washington University, 2015

Paula A. Upright PhD (Educational Leadership & Organizational Development), University of Louisville, 2009

Assistant Professor

Kayla M. Baker PhD (Education), University of Central Florida, 2019

William A. Czekanski PhD (Physical Activity and Education Services), The Ohio State University Main Campus, 2012

Stacey A. Forsythe EdD (Educational Leadership), Western Kentucky University, 2015

Eric G. Knackmuhs PhD (Leisure Behavior), Indiana University-Bloomington, 2017

Allie E. McCreary PhD (Parks, Recreation, and Tourism), North Carolina State University, 2017

Brian S. Myers PhD (PHYS ED: SPECIAL PHYS EDUCATION), Eastern Michigan University, 2019

Whitley J. Stone PhD (Health Sciences), Middle Tennessee State University, 2017

Danilo V. Tolusso PhD (Human Performance), The University of Alabama, 2019

Kaylee Woodard PhD (Kinesiology), University of Tennessee, Knoxville, 2020

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 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
Required Courses		
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
Total Hours		**12**

Intercollegiate Athletic Administration, Certificate (0481)

Program Coordinator
Evelyn M. Oregon, evelyn.oregon@wku.edu, (270) 745-2080

This graduate certificate is focused on essential skills and knowledge needed for employment in the dynamic field of intercollegiate athletic administration.

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.

Program Requirements (12 hours)

Code	Title	Hours
Required Courses		
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
Total Hours		**12**

Kinesiology, Master of Science (0454)

Program Coordinator
Danilo V. Tolusso, danilo.tolusso@wku.edu, (270) 745-2004

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, 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)
- 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 approximately five years. 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.

Teacher Leader Concentration

Criteria vary, depending on the student's undergraduate institution and GPA. No GRE requirement for admission.

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[1] 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[1] 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.

[1]   GAP=(GRE-V+GRE-Q)+(undergraduateGPAx100)

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 (31-33 hours)

Exercise Physiology Concentration (33 hours)

Code	Title	Hours
Required Courses		
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	Thesis Research/Writing	6
or KIN 596	Internship in Exercise Physiology	
Total Hours		**33**

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
Required Courses		
Professional Education Component		
TCHL 500	Foundations of Teacher Leadership	3
TCHL 530	Curriculum Development	3
TCHL 545	Classroom Instruction Strategies [1]	3
TCHL 555	School and Classroom Assessment [1]	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
Total Hours		**31**

1   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.

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 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
Required Courses		
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
Total Hours		**12**

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 six concentrations: General; Athletic Administration and Coaching; Facility and Event Management; Sport Media and Branding; 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 Sport Media and Branding concentration is designed for students interested in sport media relations, sport branding, digital media production and distribution, and sport sponsorships. 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)
- Sport Media and Branding (RESN)

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 approximately five years. 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

- Must not receive a grade below B in the first 12 credit hours

Students meeting these requirements in the first 12 hours will be fully admitted. Students who do not meet these requirements in the first 12 hours will be dismissed from the program.

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 (33 hours)

General Concentration

Code	Title	Hours
Required Courses		
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
Electives		
Select 9 hours		9
Total Hours		**33**

Athletic Administration & Coaching Concentration

Code	Title	Hours
Required Courses		
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

Code	Title	Hours
RSA 543	Sports Medicine Administration for Interscholastic Athletics	3
RSA 544	Practicum in Interscholastic Sport	3
Total Hours		**33**

Facility and Event Management Concentration

Code	Title	Hours
Required Courses		
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
Total Hours		**33**

Intercollegiate Athletic Administration Concentration

Code	Title	Hours
Required Courses		
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
Total Hours		**33**

Sport Media and Branding Concentration

Code	Title	Hours
Required Courses		
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
AD 536	Sport Branding: A New Game	3
AD 537	Sport Sponsorships: New Revenue Strategies	3
PR 543	Strategic Public Relations Writing for Sport	3
PR 547	Issues in Sport Media Relations	3
Total Hours		**33**

School of Nursing and Allied Health

Mary Bennett, Director
Health Sciences Complex 2200
(270) 745-3391
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. 97)
- Nursing Practice, Doctor of Nursing Practice (0011) (p. 98)
- Nursing, Master of Science in Nursing (149) (p. 100)
- Psychiatric Mental Health Nurse Practitioner, Post-MSN Certificate (0479) (p. 102)

Faculty

Professor

Mary P. Bennett DNS (Doctoral Nursing, Medical Nursing), Rush University, 1997
Maria E. Main DNP (Nursing Practice), University of Kentucky, 2010
Lizbeth P. Sturgeon PhD (Nursing), University of Kentucky, 2012
Dawn G. Wright PhD (Nursing Science), Vanderbilt University, 2008

Associate Professor

Maire M. Blankenship DNP (Nursing), Western Kentucky University, 2014
Tonya M. Bragg-Underwood DNP (Nursing Practice, MSN to DNP), Western Kentucky University, 2014
Mary L. Branstetter DNP (Nursing Practice, Post Master Science in Nursing), University of Kentucky, 2011
Sonya L. House EdD (Education Leadership), Western Kentucky University, 2013

Assistant Professor

Kara S. Haughtigan DNP (Nursing Practice), Western Kentucky University, 2016
Melissa K. Travelsted DNP (Nursing Practice), Western Kentucky University, 2014

Clinical Assistant Professor

Mark W. Flener MSN (Nursing, Nursing Educator), Gonzaga University, 2016

Instructor I

Matthew T. Atkinson MSN (Nursing, Nurse Educator), Western Kentucky University, 2014
William S. Cole MSN (Nursing, Nursing Educator), Western Kentucky University, 2010
Leanna Miller DNP (Nursing Practice), Western Kentucky University, 2016
Rhonda B. Quenzer MSN (Nursing, Nursing Educator), Western Kentucky University, 2014
Talitha W. Richards MSN (Nursing, Nurse Educator), Western Kentucky University, 2015
Kelly A. Watson MSN (Nursing), Western Kentucky University, 2016

Instructor II

Christy DeHay MSN, University of Missouri - Kansas City, 2013
Vickie L. Shoumake MSN (Nursing, Nurse Educator), Western Kentucky University, 2011
Lindsay S. Wheat MSN (Nursing, Nursing Educator), Western Kentucky University, 2014

Family Nurse Practitioner, Post-MSN Certificate (0449)

Program Coordinator
Maria E. Main, 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 the Graduate School 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 School application, and submitting all required program materials.

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 (17 hours)

Code	Title	Hours
Required Courses		
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
Total Hours		**17**

Nursing Practice, Doctor of Nursing Practice (0011)

Program Coordinator
Maria E. Main, eve.main@wku.edu, (270) 745-3489

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 (DNPE)
- 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 the Graduate School)
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 School Admission

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

Code	Title	Hours
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
Total Hours		**76**

BSN to DNP, Nurse Executive Concentration (63 hours)

Code	Title	Hours
Required Courses		
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	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
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

Code	Title	Hours
COMM 581	Applied Organizational Communication	3
Total Hours		**63**

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
Required Courses		
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
Total Hours		**36**

Nursing, Master of Science in Nursing (149)

Program Coordinator

Rhonda B. Quenzer, rhonda.quenzer@wku.edu, (270) 745-3974

The purpose of the MSN program is to develop expertise in advanced nursing skills that demands increased accountability, proficiency, and leadership. 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-Masters Entry Professional Nursing (MEPN) allows the student with a previous baccalaureate degree in a field other than nursing to obtain the MSN and become eligible for licensure as an RN.

Concentration(s)

- Psychiatric Mental Health Nurse Practitioner (MSNS)
- Master Entry Professional Nursing (MEPN)

Program Admission

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 the Graduate School 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 the Graduate School 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, 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 JUMP MSN-MEPN.

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 the Graduate School 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 the Graduate School application and submitting all required program materials.

The Graduate Faculty may schedule a personal interview after all required forms have been received.

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 (30-43 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
Required Courses		
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
Total Hours		**43**

Master Entry Professional Nursing (30 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
Required Courses		
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 629	Pharmacology for the Master Entry Professional Nurse	2
Total Hours		**30**

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.

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 the Graduate School)
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 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
Required Courses		
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
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
Total Hours		**18**

Gordon Ford College of Business

Dr. Christopher Shook, Dean
Dr. Evelyn Thrasher, Associate Dean for Faculty and Administration
Grise Hall 445
(270) 745-2279
gfcb@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://www.wku.edu/information-systems/cada.php
Ray Blankenship, Interim Director
Grise Hall 231
(270) 745-5952

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 (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/ (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!

Center for Leadership Excellence

gfcb@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/)
Lukas Forbes (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 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/)
Dennis Wilson (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.

Departments and Programs

Department of Accounting

Mark Ross, Chair
Grise Hall 501
(270) 745-3895
acctdept@wku.edu

Programs

Faculty
Professor

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

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

Instructor I

Richard A. Callahan MS (Accounting), University of Kentucky, 1974

Accountancy and Data Analysis, Master of Accountancy (0501)

Program Coordinator
Steve C. Wells, steve.wells@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 approximately five years. 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 School.
- 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 foundation coursework.

These minimum requirements establish eligibility for admission, but do not guarantee acceptance into the program.

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 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
Required Courses		
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
Electives		
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 [1]		6
Total Hours		**30**

[1] 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. Tier I or business foundation courses and 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 Economics

Alex Lebedinsky, Chair
Grise Hall 432
(270) 745-3150
econ@wku.edu

Programs

- Applied Economics, Master of Arts (0410) (p. 105)
- Economic Data Analytics, Certificate (0491) (p. 107)

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

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

Christopher J. Biolsi PhD (Economics), University of Houston, 2015
Jacob P. Byl PhD (Law and Economics), Vanderbilt University, 2015

Applied Economics, Master of Arts (0410)

Program Coordinator
David M. Zimmer, david.zimmer@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 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.

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 approximately five years. 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.

[1] 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 School admission application which includes submission of official undergraduate degree transcripts with a major in Economics, Mathematics, Math-Econ or other related majors.[2]

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.

[2] 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 School admission application which includes submission of official undergraduate degree transcripts.[1]

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 School Admission

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

Degree Requirements (30 hours)

Code	Title	Hours
Required Courses		
ECON 465G	Regression and Econometric Analysis [1]	3
ECON 502	Applied Microeconomic Theory	3
ECON 503	Applied Macroeconomic Theory	3
ECON 506	Applied Statistical Methods	3
ECON 594	Forecasting	3
Electives		
Concentration		15
Total Hours		**30**

[1] 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
Required Course		
ECON 596	Applied Economics Project	3-6
Electives		
Select 9-12 hours of advisor approved ECON graduate courses		9-12
Total Hours		**15**

Mathematical Methods Concentration

Code	Title	Hours
Required Course		
ECON 596	Applied Economics Project	3
Electives		
Select 12 hours from the following: [2]		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 475G	Urban and Regional 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
Total Hours	**15**

Business Economics Concentration

Code	Title	Hours
Select 15 hours with advisor approval: [3]		**15**
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	
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
Total Hours	**15**

[2]   At least 9 hours must be MATH or STAT courses.

[3]   At least 12 hours must be BA courses.

Economic Data Analytics, Certificate (0491)

Program Coordinator
David M. Zimmer, david.zimmer@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 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
Required Courses		
ECON 465G	Regression and Econometric Analysis [1]	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	
Total Hours		**12**

[1]   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

Department of Information Systems

www.wku.edu/information-systems/ (http://www.wku.edu/information-systems/)

Ray Blankenship, Chair
Grise Hall 201
(270) 745-3509

Programs

- Cybersecurity Data Analytics, Certificate (1754) (p. 108)
- Data Analytics, Certificate (1753) (p. 108)

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

Associate Professor

Thaddeus R. Crews PhD (Computer Science), Vanderbilt University, 1995
Sean R. Marston PhD (Business Administration, Information Systems and Operation), University of Florida, 2010
Lily P. Zhuhadar PhD (Computer Science and Engineering), University of Louisville, 2009

Cybersecurity Data Analytics, Certificate (1754)

Program Coordinator
Ray Blankenship, ray.blankenship@wku.edu, (270) 745-5952

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 School

- 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 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
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
Total Hours		**12**

Data Analytics, Certificate (1753)

Program Coordinator
Ray Blankenship, ray.blankenship@wku.edu, (270) 745-5952

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 School.
- 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 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
BDAN 513	Contemporary Business Analytics	3
BDAN 515	Data Management	3
BDAN 517	Predictive Analytics	3
BDAN 519	Visualization and Decision Making	3
Total Hours		**12**

Department of Management

Whitney Peake, Chair
Grise Hall 202
(270) 745-5408
mgt@wku.edu

Faculty
Professor

Ismail Civelek PhD (Operations Management and Manufacturing), Carnegie Mellon University, 2010
LeAnne Coder PhD (Business), University of Kansas Main Campus, 2007
Robert D. Hatfield PhD (Business), Indiana University-Bloomington, 1996
Paula W. Potter PhD (Business Administration), University of Kentucky, 1997
Michael S. Spiller PhD (Human Resources Management), The University of Alabama, 1999

Associate Professor

Feng Helen Liang PhD (Business Administration), University of California-Berkeley, 2006
Whitney O. Peake PhD (Agricultural Economics), Purdue University Main Campus, 2008

Pedagogical Associate Professor

Dana M. Cosby PhD (Educational Leadership and Organizational Development), University of Louisville, 2008

Pedagogical Assistant Professor

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

Department of Marketing

Lukas Forbes, Chair
Grise Hall 402
(270) 745-2993

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

GFCB Interdisciplinary Programs

Business Administration, Master of Business Administration (057)

Program Coordinator
Dana M. Cosby, dana.cosby@wku.edu, (270) 745-6581

The Master of Business Administration (MBA) provides a professional graduate education that prepares graduates for successful business and organizational leadership careers. Students receive a solid education across all of the business disciplines by taking *core* courses in accounting, economics, finance, information systems, management, and marketing (21 credit hours). To deepen their expertise, students will select from one of the following concentrations (9 hours): Supply Chain Management, Business Data Analytics, Cyber Security Management, Six Sigma/Lean Management, or Interdisciplinary Studies.

Concentrations

- Supply Chain Management
- Business Data Analytics
- Cyber Security Analytics
- Six Sigma/Lean Management
- Interdisciplinary Studies

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 approximately five years. Contact the graduate program coordinator for additional information.

Program Admission

Applicant materials are reviewed during the normal admission cycles. 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[1]:

1. Completion of Graduate School admission application, a current resume with two references listed, and an official copy of a GMAT score taken within the last five years.
2. Applicants seeking admission must meet the following criteria: minimum undergraduate overall grade point average of 2.75 on a 4.0 scale, a minimum overall GMAT score of 500, and a written GMAT score of 3.5. Applicants not meeting these standards may be considered on a case-by-case basis if applicant has a GAP score of 1100 or more [GAP = GMAT total scaled score + (Undergraduate GPA x 200)].
3. Applicants may use substantial professional work experience (five years minimum of professional or mid to upper level management experience) to overcome deficiencies in other program admission criteria.
4. The GMAT requirement will be waived for students who:
   a. already possess a doctoral degree (MD, JD, DO, DDS, PharmD, PhD, EdD, etc.) or those who have completed and passed all sections of the CPA exam;
      OR
   b. have earned a bachelor's degree with a 3.5 cumulative GPA or higher in a business program in the Gordon Ford College of Business at WKU or other AACSB accredited program.
5. Applicants who have limited prior academic background in basic business are required to demonstrate proficiency in major areas by successfully completing one of the following:
   a. one or more preparatory courses as specified by the MBA Director;

b. BA 502;

c. one or more core area proficiency exams (fees required).

[1] These minimum requirements establish eligibility for admission, but do not guarantee acceptance.

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)

Code	Title	Hours
Required Courses		
BA 510	Advanced Organizational Behavior	3
BA 511	Applied Micro Economic Theory	3
BA 513	Contemporary Business Analytics	3
BA 515	Managerial Accounting	3
BA 517	Advanced Marketing	3
BA 519	Advanced Managerial Finance	3
BA 590	Strategic Business Concepts and Applications	3
Concentration		9
Total Hours		**30**

Supply Chain Management Concentration

Code	Title	Hours
BA 579	Supply Chain Management	3
BA 583	Procurement Management	3
BA 584	Supply Chain Analytics	3
Total Hours		**9**

Business Data Analytics Concentration

Code	Title	Hours
BDAN 515	Data Management	3
BDAN 517	Predictive Analytics	3
BDAN 519	Visualization and Decision Making	3
Total Hours		**9**

Six Sigma/Lean Management Concentration

Code	Title	Hours
EGMT 540	Theory of Constraints	3
EGMT 580	Six Sigma Quality	3
EGMT 594	Lean Systems	3
Total Hours		**9**

Cyber Security Management 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
Total Hours		**9**

Interdisciplinary Studies Concentration

With approval from the MBA Director, students may create an interdisciplinary concentration for professional interests, drawing from courses throughout the university.

Code	Title	Hours
Select 9 hours from the following:		
ACCT 510	Advanced Accounting Information Systems and Data Analytics	
ACCT 520	Special Topics in Managerial Accounting	
ACCT 530	Special Topics in Tax Research and Planning	
ECON 594	Forecasting	
BDAN 515	Data Management	
BDAN 517	Predictive Analytics	
BDAN 519	Visualization and Decision Making	
CYSA 520	Principles of Cybersecurity for Data Analytics	
CYSA 522	Cybersecurity Risk and Compliance	
CYSA 524	Cybersecurity Orchestration Using Data Analytics	
BA 579	Supply Chain Management	
BA 583	Procurement Management	
BA 584	Supply Chain Analytics	
EGMT 540	Theory of Constraints	
EGMT 580	Six Sigma Quality	
EGMT 594	Lean Systems	
HMD 583	Foodservice Systems Management	
HMD 584	Community Nutrition	
HMD 587	Seminar in Concepts and Methods of Dietetic Practice	

Business Sustainability, Certificate (0474)

Program Coordinator
Dana M. Cosby, dana.cosby@wku.edu, (270) 745-6581

This certificate provides preparation for business professionals and others seeking a background in sustainability issues as related to business. Business organizations must comply with an increasing set of regulations as well as voluntary standards relating to environmental sustainability. Businesses are engaged in creating and following a set of best practices and maintaining metrics important to environmental sustainability. Wise use of resources, attention to the value chain, and careful planning of operations is required of businesses interested in maximizing profits and remaining viable over time. The global, national, and local interest in sustainability creates many opportunities for business innovation and entrepreneurship.

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.

Program Requirements (12 hours)

Code	Title	Hours
Required Courses		
BA 545	Survey of Business Sustainability Issues	3
BA 546	Sustainable Business Operations	3
BA 547	Sustainability, Innovation, and Entrepreneurship	3
BA 548	Sustainability Marketing	3
Total Hours		**12**

Ogden College of Science and Engineering

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 10 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 technical 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.

Departments and Programs

Department of Agriculture and Food Science

Fred DeGraves, Department Chair
Environmental Science and Technology 269
(270) 745-3151
agriculture@wku.edu

Programs

Faculty
Professor

Becky A. Gilfillen PhD (Plant and Soil Science), University of Tennessee, Knoxville, 1999
William T. Willian PhD (Plant & Soil Science), University of Tennessee, Knoxville, 1995
Paul B. Woosley PhD (Crop Science), University of Kentucky, 2002

Associate Professor

Fred J. DeGraves PhD (Veterinary Medical Sciences, Animal Science), North Carolina State University, 1991
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

Assistant Professor

Phillip A. Gunter PhD (Animal Sciences), Auburn University, 2018
Luiz H. Pereira Silva PhD (Animal Science), Foreign College/University, 2018
William D. Strunk PhD (Plant Science), University of Arkansas Main Campus, 2015

Clinical Assistant Professor

Roger L. Dennis MAE (Agriculture Education, Secondary Education), Western Kentucky University, 1992

Instructor I

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.

Program Admission

In addition to Graduate School admissions requirements, the Department of Agriculture requires:

1. Bachelor's degree in agriculture or related field [1]
2. GPA of 2.75 or greater (on 4.0 scale)
3. GRE general scores for quantitative, verbal, and analytical writing [2]
4. Three letters of reference
5. Resume or curriculum vitae
6. 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 [3,4]

[1]   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.

[2]   Although no formal minimum GRE scores are required, admission into the program is competitive and GRE scores will be considered during the selection process.

[3]   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.

[4]   Applications should be received by March 15th for priority consideration.

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)

Code	Title	Hours
Required Courses		
AGRI 491G	Data Analysis and Interpretation	3
AGRI 528	Population Genetics	3
AGEC 561	Agricultural Production and Economics [1]	3
AGRI 590	Experimental Design	3
AGRI 598	Seminar	3
Electives		
Select 15 hours		15
Total Hours		**30**

[1]   Not required for thesis students

Department of Biology

Michael Smith, Department Chair
Kelly Thompson Hall 3007
(270) 745-3696
biology@wku.edu

Programs

- Biology, Certificate (0493) (p. 113)
- Biology, Master of Science (056) (p. 114)

Faculty
Professor

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
Rodney A. King PhD (Microbiology and Immunology), Virginia Commonwealth University, 1993
Douglas McElroy PhD (Zoology), University of Maine - Orono, 1992
Albert J. Meier PhD (Zoology), University of Georgia, 1995
Thomas K. Philips PhD (Entomology), The Ohio State University Main Campus, 1997
Bruce A. Schulte PhD (Environmental and Forest Biology), SUNY Col 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

Noah T. Ashley PhD (Zoology), University of Washington, 2004
Chandrakanth Emani PhD (Science), Osmania University, 1997
Jarrett R. Johnson PhD (Biology), University of Missouri-Columbia, 2005
Philip W. Lienesch PhD (Zoology), University of Oklahoma Norman, 1997

Assistant Professor

Simran Banga PhD (Biological Sciences), Purdue University Main Campus, 2009
Cristi L. Galindo PhD (Microbiology and Immunology), University of Texas Medical Branch, 2005

Pedagogical Associate Professor

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

Pedagogical Assistant Professor

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

Instructor II

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

This program is designed for individuals pursuing a career in biology who need up to 15 hours of graduate biology courses for professional training or accreditation. This certificate will equip its graduates with

supplemental and enhanced knowledge and skills in biology to broaden their career opportunities.

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.

Program Requirements (15 hours)

Code	Title	Hours
Required Courses		
BIOL 500	Introduction to Graduate Studies and Research in Biology	3
BIOL 532	Behavioral Ecology	3
or BIOL 543	Environmental Science Concepts	
or BIOL 545	Animal Communication	
BIOL 411G	Cell Biology	3
or BIOL 446G	Biochemistry I	
or BIOL 495G	Molecular Genetics	
Electives		
Select 6 hours of graduate biology courses [1]		6
Total Hours		**15**

[1]   Students may not select 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 provides many opportunities in teaching, research, and public service and provides excellent preparation for many other areas of basic and applied sciences. The program offers students the option of a traditional thesis and a non-thesis option that incorporates distance-learning. The non-thesis option is designed primarily for career-oriented students who are located off campus.

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 approximately five years. Contact the graduate program coordinator for additional information.

Program Admission

In addition to Graduate School 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) track, and thesis track 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 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 M.S. in Biology program offers a thesis and non-thesis option.

Code	Title	Hours
Required Courses		
BIOL 500	Introduction to Graduate Studies and Research in Biology (First semester)	3
BIOL 598	Graduate Seminar (Typically final semester)	2
BIOL 599	Thesis Research/Writing (6 hrs)	3-6
or BIOL 516	Investigations/Biology	
Electives		
Advisor approved biology elective courses		19-22
Total Hours		**30**

Department of Chemistry

Kevin Williams, Department Chair
Kelly Thompson Hall 4016
(270) 745-3457
chemistry@wku.edu

Programs

- Chemistry, Master of Science (059) (p. 115)

Faculty

Professor

Stuart C. Burris PhD (Chemistry), North Carolina State University, 1998
Eric D. Conte PhD (Chemistry), University of Massachusetts, 1993
Darwin B. Dahl PhD (Chemistry), University of Missouri - Kansas City, 1987
Ranjit Koodali PhD (Chemistry), Indian Inst of Tech-Madras, 1995
Matthew J. Nee PhD (Chemistry), University of California-Berkeley, 2005
Lester L. Pesterfield PhD (Chemistry), University of Tennessee, Knoxville, 1991
Cathleen J. Webb PhD (Chemistry), University of Washington, 1989
Kevin M. Williams PhD (Chemistry), Emory University, 2000
Bangbo Yan PhD (Chemistry), Nanyang University, 2003
Rui Zhang PhD (Chemistry), University of Hong Kong, 2001

Associate Professor

Moon-Soo Kim PhD (Food Science and Technology), Cornell University, 2007
Jeremy B. Maddox PhD (Chemistry), University of Houston, 2003

Assistant Professor

Lawrence J. Hill PhD (Chemistry), University of Arizona, 2014
Brooke B. Williams PhD (Neuroscience), Vanderbilt University, 2010

Instructor II

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

Chemistry, Master of Science (059)

Program Coordinator

Eric D. Conte, eric.conte@wku.edu, (270) 745-6019

The graduate program in chemistry provides a unique learning and research environment and many opportunities for students to develop as independent researchers. Fifteen 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, coal chemistry, 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 approximately five years. Contact the graduate program coordinator for additional information.

Program Admission

In addition to Graduate School admission requirements, the Department of Chemistry requires:

1. Bachelor's degree in chemistry or equivalent including supporting courses in mathematics[1]
2. GPA in chemistry courses of 3.0 or greater (on 4.0 scale)
3. GRE general scores (Q+V) and Analytical Writing.[2,3]

[1] 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.

[2] Scores from MCAT, PCAT, or DAT may be substituted for equivalent GRE scores.

[3] Although there are no formal minimum GRE scores, admission is competitive. The average GRE scores of recently admitted students are approximately 145 (V) and 150 (Q). Applications should be received by March 15th for priority consideration.

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 (30-32 hours)

General Thesis Concentration

Code	Title	Hours
Required Courses		
Select 4 courses from 4 of the 5 core areas below (minimum of 2 courses at the 500 level):		12
CHEM 531	Advanced Analytical Chemistry	
or CHEM 435G	Instrumental Analysis	
CHEM 562	Advanced Biochemistry	
or CHEM 535	Analytical Biochemistry	
or CHEM 446G	Biochemistry	
CHEM 520	Advanced Inorganic Chemistry	
or CHEM 420G	Inorganic Chemistry	
CHEM 541	Advanced Organic Chemistry	
or CHEM 540	Organic Reactions	
CHEM 550	Advanced Physical Chemistry	
or CHEM 452G	Physical Chemistry II	
or CHEM 450G	Physical Chemistry I	
CHEM 516	Chemical Literature Review	2
CHEM 588	Research Proposal	2
CHEM 598	Graduate Seminar [1]	2
CHEM 599	Thesis Research/Writing [2]	6
Electives		
Select 6 hours of graduate lecture courses		6
Total Hours		**30**

[1] Requirements are to be satisfied according to the current departmental policy.

[2] 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 the Graduate School. A thesis grade will be given after the final thesis has been approved by the student's graduate committee and the department head.

Biochemistry Thesis Concentration

Code	Title	Hours
Required Courses		
Select 4 courses from 4 of the 5 core areas below (minimum of 2 courses at the 500 level):		12
CHEM 531	Advanced Analytical Chemistry	
or CHEM 435G	Instrumental Analysis	
CHEM 562	Advanced Biochemistry	
or CHEM 535	Analytical Biochemistry	
or CHEM 446G	Biochemistry	
CHEM 520	Advanced Inorganic Chemistry	
or CHEM 420G	Inorganic Chemistry	
CHEM 541	Advanced Organic Chemistry	
or CHEM 540	Organic Reactions	
CHEM 550	Advanced Physical Chemistry	
or CHEM 452G	Physical Chemistry II	
or CHEM 450G	Physical Chemistry I	
CHEM 516	Chemical Literature Review	2

CHEM 588	Research Proposal	2
CHEM 598	Graduate Seminar [1]	2
CHEM 599	Thesis Research/Writing [2]	6
Required Concentration Courses		
CHEM 535	Analytical Biochemistry	3
or CHEM 562	Advanced Biochemistry	
or CHEM 446G	Biochemistry	
CHEM 467G	Biochemistry	3
CHEM 447G	Lab Biochemistry	2
Total Hours		**32**

[1] Requirements are to be satisfied according to the current departmental policy.

[2] 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 the Graduate School. A thesis grade will be given after the final thesis has been approved by the student's graduate committee and the department head.

Research Intensive Thesis Concentration

Candidates 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
Required Courses		
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 598	Graduate Seminar [1]	2
CHEM 599	Thesis Research/Writing [2]	6
CHEM 516	Chemical Literature Review	2
CHEM 588	Research Proposal [3]	2

CHEM 596	Practicum Research Experience in Chemistry [4]	6
CHEM 595	Scientific Writing in Chemistry [5]	6
Elective		
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	
Total Hours		**30**

[1] Requirements are to be satisfied according to the current departmental policy.

[2] 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 the Graduate School. A thesis grade will be given after the final thesis has been approved by the student's graduate committee and the Department head. Students in the Research Intensive Thesis concentration may opt to use their published papers as chapters in their thesis.

[3] Requirements include preparing a research proposal which must be presented to and approved by the student's research committee and one member of the Department Graduate Committee. The final version of this proposal will be submitted to the CHEM 588 instructor of record and the Chemistry Graduate Program Coordinator.

[4] 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.

[5] 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.

Department of Earth, Environmental, and Atmospheric Sciences

Leslie North, Department Chair
Environmental Science & Technology 304
(270) 745-4555

Programs

Faculty
Professor

Joshua D. Durkee PhD (Geography), University of Georgia, 2002
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

MD R. Gani PhD (Geosciences), University of Texas at Dallas, 2005

Nahid Gani PhD (Geosciences), University of Texas at Dallas, 2006

Leslie A. North PhD (Geography and Environmental Science and Policy), University of South Florida, 2011

Andrew H. Wulff PhD (Geosciences), University of Massachusetts, 1999

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 graduate program in Geoscience 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.

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 approximately five years. Contact the graduate program coordinator for additional information.

Program Admission

- A competitive GRE score is required with a minimum score of 4.0 on the analytical writing component.
- 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

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)

Code	Title	Hours
Required Courses		
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
Electives		
Select 15 hours from GEOS, GEOL, GEOG graduate courses appropriate to support the thesis research project and approved by the thesis director. [1]		15
Total Hours		**30**

[1]   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, (Interim) 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 an 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. 118)
- Mathematics, Master of Science (085) (p. 119)

Faculty
Professor

Ferhan Atici PhD (Mathematics and Statistics), University of Nebraska-Lincoln, 1995

Tilak Bhattacharya PhD (Mathematics), Purdue University Main Campus, 1988

Mikhail Khenner PhD (Physico-Mathematical Sciences), Perm State University-Russia, 1999

Dominic A. Lanphier PhD (Mathematics), University of Minnesota-Twin Cities, 2000

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

Melanie A. Autin PhD (Statistics), University of South Carolina - Columbia, 2007

Kanita K. Ducloux PhD (Mathematics Education), University of Georgia, 2009

Molly Dunkum PhD (Mathematics), University of Kentucky, 2005

Natasha Gerstenschlager PhD (Mathematics & Science Educ), Middle Tennessee State University, 2015

Hope L. Marchionda PhD (Curriculum and Instruction), Clemson University, 2006

Samangi Munasinghe PhD (Mathematics), Texas A & M University, 2006

Ngoc B. Nguyen PhD (Mathematics), Bowling Green State University, 2010

Ahmet O. Ozer PhD (Applied Mathematics), Iowa State University, 2011

Attila Por PhD (Mathematics), Eotvos Lorand University-Hungary, 2003

Richard C. Schugart PhD (Applied Mathematics), North Carolina State University, 2005

Assistant Professor

Daniel L. Clark PhD (Mathematics Education), Michigan State University, 2016

Nicholas C. Fortune PhD (Mathematics Education), North Carolina State University, 2018

Lukun Zheng PhD (Applied Mathematics), University North Carolina Charlotte, 2015

Mathematics, Master of Arts (049)

Program Coordinator
Hope L. Marchionda, hope.marchionda@wku.edu, (000) 000-0000

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 WKU-offered 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 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)

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
Required Courses		
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
Electives		
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 421G	Problem Solving for Secondary Teachers	
MATH 423G	Geometry II	
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
Total Hours	**30**

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
Richard C. Schugart, richard.schugart@wku.edu, (000) 000-0000

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 approximately five years. Contact the graduate program coordinator for additional information.

Program Admission

General Mathematics Concentration

1. One of the following:
   a. A minimum GAP score of 600 [GAP = (GRE-V + GRE-Q) + (Undergraduate GPA x 100)];
   b. A GRE score of at least 300;
   c. For students that graduate from WKU with a mathematics major, a GPA of at least 3.3 in their mathematics major.
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 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 600 [GAP = (GRE-V + GRE-Q) + (Undergraduate GPA x 100)];
   b. A GRE score of at least 300;
   c. For students that graduate from WKU with a mathematics major, a GPA of at least 3.3 in their mathematics major.
2. Completion of the following undergraduate courses:
   a. one-year 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. GRE score of at least 300 with a minimum quantitative score of 147
   b. WKU graduates majoring in mathematics, minimum GPA of 3.3 in the major
   c. WKU graduates majoring in mathematical economics, minimum GPA of 3.3 in the major
   d. WKU graduates majoring in economics or business economics, minimum GPA of 3.3 in the major and 3.3 in courses listed below (2.a, b, d, and e).

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 School Admission

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

Program Requirements (33 hours)

General Mathematics Concentration

Code	Title	Hours
Required Courses		
MATH 431G	Intermediate Analysis I [1]	3
MATH 531	Advanced Differential Equations [1]	3
or MATH 535	Advanced Applied Mathematics- I	
MATH 541	Graph Theory [1]	3
or MATH 542	Advanced Topics in Discrete Mathematics	
STAT 549	Statistical Methods I [1]	3
MATH 598	Graduate Seminar: Communicating Mathematics and Technical Writing	3
MATH 599	Thesis/Research	6
Electives		
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 423G	Geometry II	
MATH 435G	Partial Differential Equations	
MATH 439G	Topology I	
MATH 450G	Complex Variables	

Code	Title	Hours
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 [2]	
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
Required Courses		
MATH 405G	Numerical Analysis I [1]	3
MATH 406G	Numerical Analysis II [1]	3
MATH 531	Advanced Differential Equations [1]	3
or MATH 535	Advanced Applied Mathematics- I	
MATH 541	Graph Theory [1]	3
or MATH 542	Advanced Topics in Discrete Mathematics	
STAT 549	Statistical Methods I [1]	3
CS 549	Analysis of Algorithms [1]	3
MATH 598	Graduate Seminar: Communicating Mathematics and Technical Writing	3
MATH 599	Thesis/Research	6
Select one course from the following: [1]		3
CS 555	Data Science	
CS 562	Parallel and Distributed Computing	
CS 565	Data Mining Techniques and Tools	
Electives		
Select 3 hours from the following: [1]		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 [2]	
STAT 550	Statistical Methods II	
Total Hours		**33**

Mathematical Economics Concentration

Code	Title	Hours
Required Courses		
MATH 431G	Intermediate Analysis I [1]	3
or MATH 482G	Probability & Statistics II	
MATH 531	Advanced Differential Equations [1]	3
or MATH 535	Advanced Applied Mathematics- I	
MATH 541	Graph Theory [1]	3
or MATH 542	Advanced Topics in Discrete Mathematics	
STAT 549	Statistical Methods I [1]	3
ECON 465G	Regression and Econometric Analysis [1]	3
ECON 502	Applied Microeconomic Theory [1]	3
MATH 598	Graduate Seminar: Communicating Mathematics and Technical Writing	3
MATH 599	Thesis/Research	6
Electives		
Select 6 hours from the following: [1]		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 [2]	
STAT 550	Statistical Methods II	
Total Hours		**33**

[1] 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.

[2] With advisor approval.

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. 121)

Faculty
Professor
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
Steven J. Gibson PhD (Astronomy, Physics), University of Wisconsin-Madison, 1997
Ivan S. Novikov PhD (Mathematics, Physics), St. Petersburg State U-Russia, 2000

Homeland Security Sciences, Master of Science (0413)

Program Coordinator
Ivan S. Novikov, 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 the Graduate School 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 the Graduate School 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 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)

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
Electives [1]		
Select 12 hours from the following:		12
PHYS 506	Overview of Homeland Security	
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	
CHEM 572 & CHEM 573	Detection/Analysis of Chemical Agents and Explosives Lecture and Detection/Analysis of Chemical Agents and Explosives Laboratory	
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	
Total Hours		**30**

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
Total Hours		**30**

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
Electives [1]		
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**

[1]   Electives determined by the student's specialized area of study and subject to approval by the student's departmental advisor.

Department of Psychological Sciences

Kelly Madole, Department Head
Kelly Thompson Hall 1039
(270) 745-3918
psychsciences@wku.edu

Programs

Faculty

Professor

Gordon C. Baylis PhD (Neuroscience), University of Oxford, 1985
Amy M. Brausch PhD (Psychology), Northern Illinois University, 2008
Reagan D. Brown PhD (Psychology), Virginia Tech, 1997
Kelly L. Madole PhD (Psychology), University of Texas at Austin, 1992
Andrew S. Mienaltowski PhD (Psychology), Georgia Institute of Tech, 2008
James F. Norman PhD (Psychology), Vanderbilt University, 1990

Associate Professor

Leslie L. Baylis PhD (Experimental Psychology), University of Oxford, 1990
Lance W. Hahn PhD (Psychology), University of Texas at Austin, 1994
Diane M. Lickenbrock PhD (Psychology), University of Notre Dame, 2010
Matthew C. Shake PhD (Educational Psychology), University of Illinois at Urbana-Champa, 2009
Aaron L. Wichman PhD (Psychology), The Ohio State University Main Campus, 2005

Assistant Professor

Katrina A. Burch PhD (Industrial/Organizational Psychology), University of Connecticut, 2018
Xiaowen Chen PhD (Industrial/Organizational Psychology), Florida Institute Technology, 2020
Jenni B. Teeters PhD (Psychology), University of Memphis, 2017
Matthew J. Woodward PhD (Psychology), University of Memphis, 2017

Psychology, Master of Science (0469)

Program Coordinator
Kelly L. Madole, kelly.madole@wku.edu, (270) 745-6475

This program prepares students to pursue careers in business, research, or government settings, and/or to enter a doctoral program.

Concentration(s)

- Industrial/Organization
- Psychological Science

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 approximately five years. Contact the graduate program coordinator for additional information.

Program Admission

Applicants should have: a statistics and research methodology course; background in psychology; and a minimum GPA of 3.0 in psychology courses. Applicants should submit GRE scores, three letters of recommendation, transcripts, a psychological science department application form, a 500-word personal statement describing professional interests and career goals, and the Graduate School application. An interview may be required. Applicants to the psychological science concentration must identify one or more research mentors with whom they wish to work. Although there are no formal minimum GRE scores, admission is competitive. The average GRE scores of recently admitted students are approximately 153 (V) and 148 (Q). Applications should be received by March 1st for priority consideration.

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 (37-45 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 (45 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
Required Courses		
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	Advanced Social Psychology	3
or PSYS 590	Readings of Research Psychology	
PSYS 570	Job Analysis and Compensation	3
PSYS 571	Personnel Psychology	3
PSYS 572	Organizational Psychology	3
PSYS 579	Internship in Industrial-Organizational Psychology [1]	6
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
Total Hours		**45**

[1]   A four-to-six months internship in personnel psychology is encouraged (6 hours); 6 advisor approved graduate credit hours may be substituted for the internship if no 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. Students may choose from one of four focus areas allowing specialization in biobehavioral, clinical science, cognitive psychology, or developmental science, or they may design a focus area (9 hours) that best fits their interests (subject to approval by their advisor and the

program coordinator). 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.

Code	Title	Hours
Required Courses		
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 530	Conditioning and Learning	
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 Courses (see below)		9
Total Hours		**37**

Biobehavioral Focus Area

Code	Title	Hours
Required Courses		
PSYS 565	Cognitive Neuroscience	3
PSYS 567	Advanced Physiological Psychology	3
PSYS 530	Conditioning and Learning	3
or PSYS 590	Readings of Research Psychology	
or PSYS 465G	Psychopharmacology	
Total Hours		**9**

Clinical Science Focus Area

Code	Title	Hours
Required Courses		
PSYS 640	Psychopathology	3
PSYS 641	Theories of Psychotherapy	3
PSYS 520	Individual Differences and Human Diversity	3
or PSYS 521	Advanced Child Developmental Psychology	
or PSYS 552	Advanced Social Psychology	
or PSYS 590	Readings of Research Psychology	
or PSYS 465G	Psychopharmacology	
Total Hours		**9**

Cognitive Psychology Focus Area

Code	Title	Hours
Required Courses		
PSYS 533	Advanced Topics in Cognition	3
PSYS 565	Cognitive Neuroscience	3
PSYS 530	Conditioning and Learning	3
or PSYS 552	Advanced Social Psychology	
or PSYS 590	Readings of Research Psychology	
or PSYS 431G	Psychology of Language	
Total Hours		**9**

Developmental Science Focus Area

Code	Title	Hours
Required Courses		
Select 9 hours		9
Choose 1 - 2 courses from the following:		
PSYS 521	Advanced Child Developmental Psychology	
PSYS 423G	Psychology of Adult Life and Aging	
Choose 1 - 2 courses from the following:		
PSYS 533	Advanced Topics in Cognition	
PSYS 552	Advanced Social Psychology	
PSYS 590	Readings of Research Psychology	
Total Hours		**9**

OCSE Interdisciplinary Programs

- Emergency Management Disaster Science, Certificate (1749) (p. 124)
- Scientific Data Analytics, Certificate (0496) (p. 125)

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 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)

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 15 hours.

Code	Title	Hours
Required Courses		
EMDS 500	Emergency Management Policy and Practices	3
EMDS 501	Understanding Natural and Technological Disaster Risks	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	3
or EOHS 580	Solid and Hazardous Wastes	
EMDS 504	Trends in Disaster Preparedness and Management [1]	3
Total Hours		**15**

[1]   Students from other disciplines, may substitute three graduate credit hours from within their discipline, with the approval of the program coordinator, in lieu of EMDS 504.

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 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
Required Courses		
CS 555	Data Science	3
STAT 549	Statistical Methods I [1]	3
Select 6 hours from the following discipline specific courses with large datasets [2]		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**

[1]   Or graduate statistics course from the discipline specific course list below.

[2]   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

Stacy Wilson, Director
COHH 2114
270-745-3251
engineering@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. 126)
- Engineering Management, Master of Science (0447) (p. 127)
- Lean Sigma, Certificate (0452) (p. 127)

Faculty
Professor

Gregory K. Arbuckle PhD (Technology Management (Quality Systems)), Indiana State University, 2004

Farhad Ashrafzadeh PhD (Electrical and Computer Engineering), The University of Calgary, 1997

Mustafa Atici PhD (Computer Science), University of Nebraska, 1996

Mark E. 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

Qi Li PhD (Computer Science), University of Delaware, 2006

Shane M. Palmquist PhD (Civil and Environmental Engineering), Tufts University, 2003

Huanjing Wang PhD (Computer Science), The University of Alabama, 2005

Stacy Wilson PhD (Engineering, Electrical Engineering), Tennessee Technological University, 1996

Zhonghang Xia PhD (Computer Science), University of Texas at Dallas, 2004

Guangming Xing PhD (Computer Science), University of Georgia, 2001

Associate Professor

Shahnaz Aly MARCH (Architecture), Texas A & M University, 1999

Hanna A. Khouryieh PhD (Food Science), Kansas State University, 2006

Morteza Nurcheshmeh PhD (Mechanical Engineering), University of Windsor, 2011

Mark A. Revels PhD (Technology Management, Industrial Training & Development), Indiana State University, 2007

Rong Yang PhD (Computer Science and Engineering), University of Louisville, 2007

Assistant Professor

Jeffrey M. Galloway PhD (Computer Science), The University of Alabama, 2013

Bashar F. Haddad PhD (Tech Mgt (Construction Mgt)), Indiana State University, 2007

Kirolos M. Haleem Mesiha PhD (Civil Engineering), University of Central Florida, 2009

Kasem M. Khalil PhD, University of Louisiana at Lafayette, 2021

Osama E. Mansour PhD (Environmental Design), The University of Calgary, 2015

Yaser A. Mowafi PhD (Information Systems), University of Maryland Baltimore Co, 2009

Fatemeh Orooji PhD (Engineering Science, Construction Management), Louisiana State University & A&M College, 2015

Asghar Rezasoltani PhD (Mechanical Engineering), Louisiana State University & A&M College, 2016

Instructor I

Brian M. Janes MS (Management of Technology), Murray State University, 2003

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 approximately five years. Contact the graduate program coordinator for additional information.

Program Admission

Admission requirements include a minimum 3.0/4.0 undergraduate grade point average and a minimum combined (V+Q) GRE score of 290, with the quantitative reasoning score being 148 or better and a verbal score of 139. In addition, applicants must have completed approximately two years of undergraduate study in computer science and mathematics, including a year of calculus. Minimum requirements include knowledge of programming in a high level language including data structures, computer organization, discrete structures, software engineering and operating systems.

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 (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
Required Courses		
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
Electives		
Computer science courses approved by advisor		15
Total Hours		**33**

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 [1]	
CS 570	Security in Computing	
Total Hours		**9**

[1]   Up to 6 credit hours.

Engineering Management, Master of Science (0447)

Program Coordinator

Hanna A. Khouryieh, hanna.khouryieh@wku.edu, (270) 745-4126

The Master of Science in Engineering Management 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 Master of Science in Engineering Management (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. Online courses are delivered via Blackboard or interactive video.

Students are encouraged to deliver a peer-reviewed professional presentation or paper at a national conference of their choosing. The professional association for the MSEM program is the Association of Technology, Management, and Applied Engineering (ATMAE).

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 approximately five years. Contact the graduate program coordinator for additional information.

Program Admission

Completion the Graduate Record Exam (GRE), GMAT or equivalent. A minimum GRE score of 140 verbal is required and a quantitative score of 140 is preferred with a score of 2.5 or higher for analytical writing. International students must also provide evidence of an ability to communicate effectively in English, as demonstrated by an IELTS score of 6.5 or equivalent.

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 (33 hours)

Code	Title	Hours
Required Courses		
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
Electives		
Select 12 hours from the following:		12
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	
Total Hours		**33**

Students are required to complete an oral defense of their thesis and complete a comprehensive written exam of their coursework.

Lean Sigma, Certificate (0452)

Program Coordinator

Hanna A. Khouryieh, hanna.khouryieh@wku.edu, (270) 745-4126

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 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
Required Courses		
EGMT 540	Theory of Constraints	3
EGMT 594	Lean Systems	3
EGMT 580	Six Sigma Quality	3
Elective		
Select one of the following:		3
EGMT 520	Resource Management	
EGMT 590	Operations Leadership	
EGMT 655	Project Management	
EGMT 671	Quality Management	
Total Hours		**12**

Potter College of Arts & Letters

Dr. Terrance D. Brown, Dean
Dr. Merrall Price, Associate Dean
Dr. Jeff Budziak, Assistant Dean
Ivan Wilson Fine Arts Center 200
(270) 745-2344
potter.college@wku.edu
www.wku.edu/pcal (https://www.wku.edu/pcal/)

Mission

Potter College of Arts & Letters takes as its primary area of scholarly concern the study of humanity–its past, present, and future, as well as its aesthetic expression, metaphysical concerns, and social interaction. Potter College is proud to prepare students to enter a wide range of careers as well as programs of advanced study. More than 200 faculty members provide instruction in eleven schools and departments. Potter College, in cooperation with the Graduate School, offers MA, MFA, MM, and MPA degrees as well as graduate certificates.

Departments and Programs

Department of Art and Design

Kristina Arnold, Department Head
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
William M. Simpson MA (Art), Marshall University, 1982

Assistant Professor

Kara E. Glenn MFA (Fine Arts), Full Sail Real World Education, 2019
David M. Marquez MFA (Art), University of Iowa, 2003

Visiting Instructor

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

Department of Communication

Anthony Harkins, Interim Department Head
Ivan Wilson Fine Arts Center 130
(270) 745-3296
communication@wku.edu

Programs

Faculty
Professor

Kumi Ishii PhD (Communication Studies), Kent State University Kent Campus, 2004
Angela M. Jerome PhD (Communication Studies), University of Kansas Main Campus, 2002
Jennifer Mize Smith PhD (Communication), Purdue University Main Campus, 2006
Holly J. Payne PhD (Communication), University of Kentucky, 2003
Cliff P. Shaluta MA (Speech), Marshall University, 1983
Helen M. Sterk PhD (Communication Studies), University of Iowa, 1986
Blair C. Thompson PhD (Communication Studies, Educational Psychology), University of Nebraska-Lincoln, 2007

Associate Professor

Jie-Young Kong PhD (Communication), Arizona State University-ALL, 2012
Kenneth D. Payne MA (Journalism), Marshall University, 1992

Assistant Professor

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

Instructor II

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 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
Required Courses		
COMM 523	Health Communication	3
COMM 553	Health Communication Campaigns	3
Restricted Electives		
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 Health Organization	
PH 564	Public Health Issues in Women's Health	
PH 578	Health Disparities	
PH 580	Introduction to Public Health	
PH 581	Applied Methods in Public Health Practice/Field Epidemiology	
PH 587	Health Behavior	

Code	Title	Hours
NURS 501	Nursing, Politics and Health Policy	
NURS 528	Leadership and Management in Nursing Administration	
Total Hours		**12**

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 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
Required Courses		
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	
Total Hours		**12**

Organizational Communication, Master of Arts (0012)

Program Coordinator

Jie-Young Kong, jieyoung.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 approximately five years. Contact the graduate program coordinator for additional information.

Program Admission

Admission to the program requires minimum GRE scores of 139 verbal, 139 quantitative, and 3.5 analytical writing.

Applicants should submit:

- official GRE scores
- Academic writing sample from an undergraduate course
- Letter of intent detailing:
  - academic and/or professional experiences
  - goals in pursuing graduate studies in communication
  - areas of interest in the communication discipline.

Graduate School Admission

Please refer to the admission section (http://catalog.wku.edu/graduate/admission/) of this catalog for Graduate School 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" of 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
Required Courses		
COMM 501	Qualitative Methods in Communication Research	3
COMM 502	Quantitative Methods in Communication Research	3
COMM 547	Organizational Communication Theory	3

Electives

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: [1]		6
Thesis Option:		
COMM 599	Thesis Research/Writing	
Non-Thesis Option:		
Select an additional 6 hours of Organizational or Human Communication electives [2]		
Total Hours		**30**

[1]   Both options require written comprehensive exams.

[2]   With academic advisor and graduate coordinator or department head approval, students may transfer six hours from another university or take up to six hours in another discipline.

Strategic Sport Communications, Certificate (1744)

Program Coordinator

Kenneth D. Payne, ken.payne@wku.edu, (270) 745-3968

Sport in the United States involves hundreds of billions of dollars in annual spending and touches every aspect of media distribution - print, broadcast, and internet. The emerging field of sport communications

management demands practical skills and professional instruction beyond the baccalaureate level.

The skills-based, 12-hour (4 courses), 100% online graduate certificate brings students inside the commercial world of sport communications while challenging them to confront the extraordinary changes occurring in sport public relations, media management, multimedia content distribution, brand promotion, and sport sponsorships. The Graduate Certificate in Strategic Sport Communications is designed for those interested in, or already working in communications careers in the exciting and multi-faceted sports industry.

The courses included in the Strategic Sport Communications Certificate are also part of the Recreation and Sport Administration master's degree with a concentration in Sport Media & Branding. Students wishing to continue work towards the master's degree will need to be accepted into the program and complete seven additional courses (21 hours) in Recreation and Sport Administration.

A sample of job titles related to this certificate include:

- Sport Public Relations Manager
- Sport Communications Director
- Sports Administrator
- Development Director
- Sales Director
- Sports Marketing Account Executive
- Director of Ticketing and Finance
- VP of Business Development
- School Athletics Director
- Sports Events Coordinator
- Sports Agent
- Sporting Goods Sales Representative
- Sports Information Director
- Athletic Director
- Facilities Manager
- Compliance Director
- Athletic Business Manager
- Fitness Manager
- Digital Content Management
- Social Media Coordinator

Program Admission

A Statement of Professional Intent is required. The statement should provide a sample of the applicant's writing style and ability. It should be 1-2 single-spaced pages in length and is expected to be well organized, clearly written, and error free. The statement should include responses to the three questions listed below:

- Why do you want to pursue this graduate certificate?

- What related qualifications and/or experiences do you bring to the certificate program?

- What are your career goals after completing the certificate program?

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
Required Courses		
PR 521	Public Relations in Recreation and Sport	3
Select 3 of the following:		9
AD 536	Sport Branding: A New Game	
AD 537	Sport Sponsorships: New Revenue Strategies	
PR 543	Strategic Public Relations Writing for Sport	
PR 547	Issues in Sport Media Relations	
Total Hours		**12**

Department of English

Alison Langdon, Department Head
Cherry Hall 135
(270) 745-3043
english.office@wku.edu

Programs

- Creative Writing, Master of Fine Arts (0478) (p. 132)

- English, Master of Arts (067) (p. 133)

- Teaching English to Speakers of Other Languages (TESOL), Certificate (0416) (p. 133)

Faculty

Professor

David J. Bell PhD (English and Comparative Literature), University of Cincinnati Main Campus, 2005
Kenneth W. Berry PhD (English), University of Mississippi, 2000
Nikolai Endres PhD (Comparative Literature), University of North Carolina Chapel Hill, 2000
Jane L. Fife PhD (English Rhetoric and Composition), University of Louisville, 1992
Elizabeth D. Hall PhD (English), Middle Tennessee State University, 2014
Theodore R. Hovet PhD (English), Duke University, 1995
Sandra S. Hughes PhD (English), University of Georgia, 2003
Thomas C. Hunley PhD (Creative Writing), Florida State University, 2003
Alison L. Langdon PhD (English), University of Oregon, 2004
William D. LeNoir PhD, Auburn University, 1992
Alexander B. Poole PhD (English), Oklahoma State University Main Campus, 2003
Merrall Price PhD (English), University of Rochester, 1998

Associate Professor

Kristi R. Branham PhD (English), University of Kentucky, 2006
Cheryl R. Hopson PhD (English), University of Kentucky, 2008
Angela L. Jones PhD (English), University of Kansas Main Campus, 2001
Gillian B. Knoll PhD, University of Maryland College Park, 2012
Peggy D. Otto PhD (English Rhetoric & Composition), University of Louisville, 2009

Kelly L. Reames PhD (English), University of North Carolina Chapel Hill, 2002
Jeffrey A. Rice PhD (English), University of Florida, 2010
Lawrence D. Rigby PhD (English), University of Missouri-Columbia, 2000
Trini G. Stickle PhD (English), University of Wisconsin-Madison, 2015
Alison M. Youngblood PhD (Education), University of Central Florida, 2014

Assistant Professor

Nancy W. Dinan PhD (English), Texas Tech University, 2020
Jessica L. Folk MFA (Screenwriting), Chapman University, 2014
Daniel J. Liddle PhD (Rhetoric), Purdue University Main Campus, 2018
Marla K. Zubel PhD (Comparative Literature), University of Minnesota-Twin Cities, 2017

Creative Writing, Master of Fine Arts (0478)

Program Coordinator

Alison M. Youngblood, alison.youngblood@wku.edu, (270) 745-2257

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. Students will complete a secondary concentration in literature, composition/rhetoric, or teaching English as a second language in order to give them additional options for employment after graduation. The two year residential program of study consists of 48 credit hours of graduate course work, culminating in rigorous comprehensive exams and the completion of a publishable creative thesis in fiction, poetry, scriptwriting, or creative nonfiction.

Concentration(s)

- Composition and Rhetoric (ENCR)
- Literature (ENLI)
- Teaching English as a Second Language (ENTL)

Program Admission

- Minimum undergraduate GPA of 3.0
- Minimum GRE Analytical Writing score of 4.0 and minimum GRE Verbal score of 153
- Minimum GAP score of 453 [GAP = GRE-V + (undergraduate GPA x 100)]
- Completion of four undergraduate English courses beyond general education requirements with a GPA of at least 3.0; two of the courses should be upper-level English courses. Undergraduate creative writing courses are highly recommended
- Submission of writing sample

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 (48 hours)

Code	Title	Hours
Required Courses		
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
Electives [1]		
Literature course		3
Select 6 additional hours		6
Select a concentration		12
Total Hours		**48**

[1] 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:		12
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	
Total Hours		**12**

Literature Concentration

Code	Title	Hours
Select 12 hours from the following:		12
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	
Total Hours		**12**

Teaching English as a Second Language (TESL) Concentration

Code	Title	Hours
Select 12 hours from the following:		12
ENG 407G	Linguistic Analysis	

ENG 408G	Psycholinguistics and Sociolinguistics	
ENG 471G	TESL Practicum	
ENG 565	Integrated Teaching English as a Second Language	
ENG 566	Teaching and Testing ESL Grammar	
ENG 598	Advanced Directed Study	
Total Hours		**12**

English, Master of Arts (067)

Program Coordinator

Alison M. Youngblood, alison.youngblood@wku.edu, (270) 745-2257

The master's program prepares students for continuing graduate work toward a doctorate in English or for many other careers that involve strong communication skills.

Program Admission

In addition to meeting Graduate School 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 academic interests, relevant experiences, and reasons for pursing the M.A. degree in English at Western Kentucky University.

Students seeking Rank II or Rank I certification for Grades 8-12 must have or be eligible for a secondary school teaching certificate and must include a copy with the application for admission. Kentucky candidates whose certificates have expired may be admitted, but they may enroll for only six hours before the must apply to the Kentucky Education Professional Standards Board for reissued certificates. After completion of six hours, such students 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 School Admission

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

Program Requirements (33 hours)

Code	Title	Hours
Required Courses		
ENG 520	Introduction to Graduate Studies	3
ENG 510	Graduate Rhetoric and Writing	3
ENG 516	Literature and Pedagogy	3
ENG 565	Integrated Teaching English as a Second Language	3
Select 3 hours of composition and rhetoric		3
Select 3 hours of literature		3
Electives		**15**
Thesis Option		
ENG 599	Thesis Research and Writing (6 hours)	
	Select 9 hours of electives in composition and rhetoric, linguistics, literature, or teaching English as a second language	
Non-Thesis Option		
	Select 15 hours of electives in composition and rhetoric, linguistics, literature, or teaching English as a second language	
Total Hours		**33**

Teaching English to Speakers of Other Languages (TESOL), Certificate (0416)

Program Coordinator

Alison M. Youngblood, alison.youngblood@wku.edu, (270) 745-2257

The TESOL Graduate Certificate is intended for individuals who are not P-12 teachers and want to teach in language 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 in Bowling Green conducted during the final semester. Other requirements include a portfolio of student work and completion of 6 hours of one foreign language or the language requirements of the WKU Colonnade Program. Students must have taken one linguistics class in appropriate area -- for example, ENG 104, ENG 302, ENG 204, or an approved equivalent— before taking ENG 407G. Students must maintain a 3.0 GPA in order to receive the Certificate.

Program Admission

- B.A. plus completion of at least one undergraduate linguistics course in appropriate area
- 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) +(GPAx100);
- 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 School Admission

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

Program Requirements (16-22 hours)

Code	Title	Hours
Required Courses		
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 one foreign language or fulfill language requirements of the WKU Colonnade Program		0-6
Total Hours		**16-22**

Student portfolio is required for final assessment.

Department of Folk Studies and Anthropology

Darlene Applegate, Department Head
Ivan Wilson Fine Arts Center 237
(270) 745-5898
fsa@wku.edu

Programs

- Folk Studies, Master of Arts (069) (p. 134)

Faculty

Professor

Darlene A. Applegate PhD (Anthropology), The Ohio State University Main Campus, 1997

Associate Professor

Timothy H. Evans PhD (American Studies, Folklore), Indiana University-Bloomington, 1995
Ann K. Ferrell PhD (English), The Ohio State University Main Campus, 2009
Kate G. Horigan PhD (English, Interdisciplinary Specialization in Folklore), The Ohio State University Main Campus, 2013
Jean-Luc Houle PhD (Anthropology, Archeology), University of Pitts Pittsburgh Camp, 2010
Kathryn A. Hudepohl PhD (Anthropology), Tulane University, 2002

Assistant Professor

Tim W. Frandy PhD (Scandinavian Studies, Folklore), University of Wisconsin-Madison, 2013
Angie A. Stinnett PhD (Anthropology), University of Arizona, 2014

Clinical Assistant Professor

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

Folk Studies, Master of Arts (069)

Program Coordinator

Ann K. Ferrell, ann.ferrell@wku.edu, (270) 745-5896

The study of folklore and folklife involves examination and analysis of traditional expressive culture in all its forms including verbal, musical, material, and customary. In every society, agricultural and industrial, rural and urban, folklore is a vital part of life. The discipline has close affinities with literature, anthropology, sociology, history, geography, linguistics, philosophy, ethnomusicology, and psychology.

Concentrations

- Research Thesis
- Public Folklore
- Historic Preservation
- Museum Studies

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 approximately five years. Contact the graduate program coordinator for additional information.

Program Admission

Adequate undergraduate preparation in a wide range of disciplines will be acceptable for admission to graduate study in folk studies. Applicants must have a GPA of 3.0 or higher. All applicants must submit three letters of reference, a statement of intent, and a writing sample to the department. Applicants must submit GRE scores.

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 (36 hours)

Thesis Research Concentration

The Thesis Research Concentration provides advanced knowledge of the theoretical and methodological aspects of folklore and folklife, preparing students to work in consultation with faculty to develop and complete a thesis project based on original research. It is designed to prepare students for careers and further research in both academic and public sector professions.

Code	Title	Hours
Required Courses		
FLK 577	Folklore Theory [1]	3
FLK 578	Folklore Fieldwork [1]	3
FLK 569	Folklore Genres [1]	3
FLK 561	Folk Arts and Technology	3
FLK 571	Folk Narrative	3
FLK 575	Folk Belief	3
Select one of the following applied courses:		3
FLK 470G	Museum Procedures and Preservation Techniques	
FLK 560	Cultural Conservation	
FLK 562	Folklore and Education	
FLK 572	Public Folklore	
FLK 599	Thesis Research and Writing	6
Electives		
Select 9 hours of electives with advisor approval		9
Total Hours		**36**

Public Folklore Concentration

Firmly grounded in the theoretical and methodological aspects of the study of folklore and folklife, the Public Folklore Concentration provides students with the tools necessary for the multiple facets of careers in public and applied folklore practice as well as further graduate study.

Code	Title	Hours
Required Courses		
FLK 577	Folklore Theory [1]	3
FLK 578	Folklore Fieldwork [1]	3
FLK 569	Folklore Genres [1]	3
FLK 562	Folklore and Education	3
FLK 572	Public Folklore	3

Code	Title	Hours
Select two of the following genre courses:		6
FLK 561	Folk Arts and Technology	
FLK 571	Folk Narrative	
FLK 575	Folk Belief	
Select one of the following options:		**15**
Thesis Option		
FLK 599	Thesis Research and Writing (6 hours)	
Select 9 hours of electives with advisor approval		
Non-Thesis Option		
FLK 589	Internship (at least 1 hour)	
or FLK 587	Capstone Course in Public Folklore	
Select 14 hours of electives with advisor approval		
Total Hours		**36**

Historic Preservation Concentration

Firmly grounded in the theoretical and methodological aspects of the study of folklore and folklife, the Historic Preservation Concentration provides students with the tools necessary for careers in a wide range of historic preservation and cultural conservation theory and practice, as well as further graduate study.

Code	Title	Hours
Required Courses		
FLK 577	Folklore Theory [1]	3
FLK 578	Folklore Fieldwork [1]	3
FLK 569	Folklore Genres [1]	3
FLK 464G	Vernacular Architecture	3
FLK 560	Cultural Conservation	3
Select two of the following genre courses:		6
FLK 561	Folk Arts and Technology	
FLK 571	Folk Narrative	
FLK 575	Folk Belief	
Select at least one of the following:		**3**
FLK 470G	Museum Procedures and Preservation Techniques	
FLK 445G	American Architectural History	
FLK 566	Oral History	
Select one of the following options:		**12**
Thesis Option		
FLK 599	Thesis Research and Writing (6 hours)	
Select 6 hours of electives with advisor approval		
Non-Thesis Option		
FLK 589	Internship (at least 1 hour)	
or FLK 586	Capstone Course in Historic Preservation	
Select 11 hours of electives with advisor approval		
Total Hours		**36**

Museum Studies Concentration

Firmly grounded in the theoretical and methodological aspects of the study of folklore and folklife, the Museum Studies Concentration provides students with the tools necessary for careers in museums as well as further graduate study.

Code	Title	Hours
Required Courses:		
FLK 577	Folklore Theory [1]	3
FLK 578	Folklore Fieldwork [1]	3
FLK 569	Folklore Genres [1]	3
FLK 470G	Museum Procedures and Preservation Techniques	3
FLK 562	Folklore and Education	3
Select two of the following genre courses:		**6**
FLK 561	Folk Arts and Technology	
FLK 571	Folk Narrative	
FLK 575	Folk Belief	
Select at least one of the following:		**3**
FLK 560	Cultural Conservation	
FLK 572	Public Folklore	
ART 490G	Special Problems	
Select one of the following options:		**12**
Thesis Option		
FLK 599	Thesis Research and Writing (6 hours)	
Select 6 hours of electives with advisor approval		
Non-Thesis Option		
FLK 589	Internship (1-3 hours)	
or FLK 590	Capstone in Museum Studies	
Select 11 hours of electives with advisor approval		
Total Hours		**36**

[1]   Must be taken in the first year.

All students must pass a comprehensive examination based on course work and a program reading list. Students completing a thesis will defend their final thesis. Students who do not complete a thesis will submit and defend a portfolio of professional-level work.

Department of History

Audra Jennings, Department Head
Cherry Hall 200
(270) 745-4665
history@wku.edu

Programs

- History, Master of Arts (078) (p. 136)

Faculty
Professor

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

Associate Professor

Sophia R. Arjana PhD (Religious/Theological Studies), University of Denver, 2011
Dorothea Browder PhD (History, Distributed), University of Wisconsin-Madison, 2008
Robert L. Dietle PhD (History), Yale University, 1991
Selena S. Doss PhD (History), Vanderbilt University, 2010

Marko Dumancic PhD (History), University of North Carolina Chapel Hill, 2010

Paul A. Fischer PhD (East Asian Languages and Civilizations), University of Chicago, 2007

Audra R. Jennings PhD (History), The Ohio State University Main Campus, 2008

Eric Kondratieff PhD (Ancient History), University of Pennsylvania, 2003

Jeffrey D. Miner PhD (History), Stanford University, 2011

Alexander I. Olson PhD (American Studies), University of Michigan-Ann Arbor, 2013

Juan L. Romero PhD (History), University of Texas at Austin, 2008

Andrew J. Rosa PhD (Afro-American Studies), University of Massachusetts, 2005

Tamara Van Dyken PhD (History), University of Notre Dame, 2009

Assistant Professor

Katherine E. Brown PhD (History), University of Virginia, 2015

Pedagogical Associate 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 on the junior or senior college level and to provide 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 approximately five years. Contact the graduate program coordinator for additional information.

Program Admission

All applicants must sit for the Graduate Record Examination (GRE) and submit scores to the university as part of their application. There are no exceptions to this requirement even for candidates with graduate degrees. The advanced test in History is not required.

Applicants must meet the following admission standards set forth by the History Department:

- Completion of at least 18 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)
- A GRE Verbal Reasoning section score of at least 500 (if taken before Aug. 2011) or 153 (if taken Aug. 2011 or later)
- 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) personal statement that discusses why they wish to pursue the Master of Arts degree in History;
- A sample research paper (at least five pages long).

The History Department will admit students twice a year on a competitive, academic merit-based 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 School Admission

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

Program Requirements (30-36 hours)

A student who has an undergraduate major in history may be permitted to take six to nine hours of graduate work in a related field in courses approved by the Graduate Advisor. A student who presents an undergraduate minor in history must complete the entire program in the field of history.

Plan A - Thesis (30 hours)

Code	Title	Hours
Required Courses		
HIST 535	Historiography	3
HIST 599	Thesis Research/Writing	6
Modern foreign language reading proficiency		
Electives		
Select 21 hours of electives		21
Total Hours		**30**

Plan B - Non-Thesis (36 hours)

Code	Title	Hours
Required Course		
HIST 535	Historiography [1]	3
Electives		
Select 33 hours of electives		33
Total Hours		**36**

[1] May be met by demonstrating proficiency in a foreign language or completing HIST 535.

Comprehensive Exam

Students should contact the History Graduate Advisor early in their programs for help in compiling a list of books and articles to study in preparation for the comprehensive exam. Students must pass the comprehensive exam (written and oral) over course work, bibliography, and (if Plan A) thesis.

Department of Modern Languages

Alex Poole, Interim Department Head
Ivan Wilson Fine Arts Center 251
(270) 745-2401
modern.languages@wku.edu

Faculty
Professor

Inmaculada Pertusa PhD (Spanish), University of Colorado at Boulder, 1996

Melissa A. Stewart PhD (Hispanic & Italian Studies), Johns Hopkins University, 1992

Associate Professor

David F. DiMeo PhD (Comparative Literature), Harvard University, 2006

Sonia E. Lenk PhD (Hispanic Language and Literature), University of Pitts Pittsburgh Camp, 2007

Department of Music

Scott Harris (:scott.harris@wku.edu), Department Head
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. 137)

Faculty
Professor

Heidi P. Alvarez DM (Music Performance), Florida State University, 1998
John M. Cipolla DMA (Music, Music Performance), University North Carolina Greensboro, 2002
Scott H. Harris DMA (Music), University of Oklahoma Norman, 2003
Paul L. Hondorp DMA (Music Conducting), Michigan State University, 2003
Robert W. Pope DMA (Music Performance), University of South Carolina - Columbia, 1992
Gary T. Schallert DA (Music, Conducting), University of Northern Colorado, 2001

Associate Professor

Ching-Yi Lin DM (Violin), Indiana University-Bloomington, 2010
Zachary A. Lopes DMA (Piano), University of Cincinnati Main Campus, 2013
Brian A. St John DMA (Conducting), Arizona State University-ALL, 2010

Assistant Professor

Sarah Herbert DMA (Musical Arts), University of Cincinnati Main Campus, 2017
Matthew J. Herman DMA (Music Composition), Temple University, 2003
Lauren E. Whitham DMA (Music), University of Georgia, 2017
Catherine M. Wilson PhD (Music), University of Iowa, 2013

Pedagogical Assistant Professor

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

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 the Graduate School prior to enrollment in coursework beyond 12 hours (inclusive of transfer credit). In compliance with Graduate School 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)

Program Admission

Students seeking admission to the graduate program apply through the Graduate School.

Admission Requirements

1. Baccalaureate degree in music.
2. 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).
3. Candidates who are alumni of WKU baccalaureate music degree programs seeking the Conducting and Pedagogy concentrations must submit an application.
4. Applicants who have undergraduate degrees from all other accredited universities will be admitted without a qualifying GRE score if they have a minimum 2.75 GPA for all previous coursework (undergraduate and graduate) and if required for the concentration, have or are eligible for a teaching certificate. A copy of the certificate or statement of eligibility must be submitted with the application if applicable.
5. Audition on primary instrument or voice.

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 (30-36 hours)

Prior to completion of 9-12 graduate hours, students are required to take placement exams in music theory and music history.

Conducting Concentration (30-33 hours)

Code	Title	Hours
Required Courses		
Music Core [1]		
MUS 500	Theory Seminar	3
MUS 530	Music Literature	3
MUS 511	Research Methods in Music [2]	3
MUS 525	Music and the Human Experience [3]	3
Conducting Concentration Core		
MUS 518	Advanced Conducting	3
MUS 519	Conducting Seminar [4]	3-6
Ensemble Course		1
Applied Lessons in Conducting		2
MUS 625	Graduate Capstone Project	3
Electives		
Select 6 hours from the following [5]		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	
Total Hours		**30-33**

[1] Level 2 content core for the Music Education/Teacher Leader and Conducting/Teacher Leader.

[2] TCHL 559 (1 hr) is embedded in MUS 511.

[3] MUS 525 (3 hrs) is a music content course which aligns to competencies in TCHL 530 and is considered a Level 1 education course.

[4] Students will select Choral Emphasis (6 hours) or Instrumental Emphasis (3 hours).

[5] Elective hours must be music courses selected from the other graduate offerings: workshops, ensembles, lessons, independent studies, etc. MUS 519 may be taken for a total of 6 hours.

Conducting Teacher Leader Concentration (33-36 hours)

Code	Title	Hours
Required Courses		
Music Core [1]		
MUS 500	Theory Seminar	3
MUS 530	Music Literature	3
MUS 511	Research Methods in Music [2]	3
MUS 525	Music and the Human Experience [3]	3
Professional Education Core		
TCHL 500	Foundations of Teacher Leadership [4]	3
MUS 509	Music Curriculum in the Elementary and Middle Schools [5]	3
MUS 514	Secondary Music Curriculum [5]	3
MUS 625	Graduate Capstone Project (Action Research Project, an exit requirement)	3
MUS 512	Music Education Workshop [6]	3
Conducting/Teacher Leader Concentration Core		
Select 6-9 hours from the following		6-9
MUS 518	Advanced Conducting	
MUS 519	Conducting Seminar [7]	
Total Hours		**33-36**

[1] Level 2 content core for the Music Education/Teacher Leader and Conducting/Teacher Leader.

[2] TCHL 559 (1 hr) is embedded in MUS 511.

[3] MUS 525 (3 hrs) is a music content course which aligns to competencies in TCHL 530 and is considered a Level 1 education course.

[4] Required the first semester of admission to the program.

[5] 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).

[6] 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.

[7] Students will select Choral Emphasis (6 hours) or Instrumental Emphasis (3 hours).

Music Education Teacher Leader Concentration (30 hours)

Code	Title	Hours
Required Courses		
Music Core [1]		
MUS 500	Theory Seminar	3
MUS 530	Music Literature	3
MUS 511	Research Methods in Music [2]	3
MUS 525	Music and the Human Experience [3]	3
Professional Education Core		
TCHL 500	Foundations of Teacher Leadership [4]	3
MUS 509	Music Curriculum in the Elementary and Middle Schools [5]	3
MUS 512	Music Education Workshop [6]	3
MUS 514	Secondary Music Curriculum [5]	3
MUS 625	Graduate Capstone Project	3
Elective		
Select 3 hours from the following [7]		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	
Total Hours		**30**

[1]   Level 2 content core for the Music Education/Teacher Leader and Conducting/Teacher Leader.

[2]   TCHL 559 (1 hr) is embedded in MUS 511.

[3]   MUS 525 (3 hrs) is a music content course which aligns to competencies in TCHL 530 and is considered a Level 1 education course.

[4]   Required the first semester of admission to the program.

[5]   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).

[6]   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.

[7]   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
Required Courses		
Music Core [1]		
MUS 500	Theory Seminar	3
MUS 530	Music Literature	3
MUS 511	Research Methods in Music [2]	3
MUS 525	Music and the Human Experience [3]	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
Elective Course		
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	
Total Hours		**30**

[1] Level 2 content core for the Music Education/Teacher Leader and Conducting/Teacher Leader.

[2] TCHL 559 (1 hr) is embedded in MUS 511.

[3] 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 Head
Grise Hall 300
(270) 745-4558

Programs

- Local Government Administration, Certificate (1745) (p. 140)
- Public Administration, Master of Public Administration (051) (p. 140)

Faculty

Professor

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

Associate Professor

Audrey L. Anton PhD, The Ohio State University Main Campus, 2011
Saundra C. Ardrey PhD (Political Science), The Ohio State University Main Campus, 1983
Jeffrey L. Budziak PhD (Political Science), The Ohio State University Main Campus, 2011
Roger W. Murphy PhD (Political Science), Indiana University-Bloomington, 1996
Timothy S. Rich PhD (Political Science, East Asian Languages), Indiana University-Bloomington, 2012
Shannon K. Vaughan PhD (Political Science), University of Kentucky, 2004

Local Government Administration, Certificate (1745)

Program Coordinator

Shannon K. Vaughan, shannon.vaughan@wku.edu, (270) 745-2908

The graduate certificate in Local Government Administration prepares students for careers in local government administration. The two (2) required courses rely on a foundation of Public Administrative theory relevant to the current issues and skills necessary for effective and responsible local government administration. In addition to the two (2) required courses, the program allows students to choose two (2) elective courses from a selection of courses for a total of 12 credit hours. Substitutions for these course may be made with consent of the advisor. Students applying to the Graduate School at WKU can elect to pursue the graduate certificate in Local Government Administration either by itself or in conjunction with a graduate program in a selected discipline.

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.

Program Requirements (12 hours)

Code	Title	Hours
Required Courses		
PS 526	Local Government Administration	3
PS 528	Civic Engagement and E-Governance	3
Elective Courses [1]		
Select 6 hours from the following		6
PS 512	Kentucky Government and Politics	
PS 520	Elements of Public Administration	
PS 550	Cultural Competencies for Public Administrators	
PS 554	Cross-Sector Collaboration & Conflict	
PS 562	Public Policy Implementation & Evaluation	
Total Hours		**12**

[1] 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

Shannon K. Vaughan, shannon.vaughan@wku.edu, (270) 745-2908

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 approximately five years. Contact the graduate program coordinator for additional information.

Program Admission

In addition to meeting all admission requirements to the Graduate School, admission to the Master of Public Administration program requires the following:

1. Take the Graduate Record Exam (GRE) and have scores sent directly to the WKU Graduate School. **(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 mpa@wku.edu
3. Send Statement of Purpose outlining how the MPA degree will help accomplish career goals and objectives to mpa@wku.edu.
4. Send current resume to mpa@wku.edu

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 (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
Required Core		
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 597	Professional Seminar in Public Administration	3
or PS 598	Internship in Public Administration	
Electives		
Select 15 hours [1]		15
Total Hours		**36**

[1]   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 563, COMM 564, COMM 565, COMM 566, COMM 571, COMM 577, COMM 578, COMM 581, COMM 586, COMM 587, COMM 590.

Department of Sociology and Criminology

Holli Drummond, Department Head
Grise Hall 101
(270) 745-3759
sociology@wku.edu
criminology@wku.edu

Faculty

Professor

Holli R. Drummond PhD (Sociology), University of Georgia, 2004
Molly B. Kerby PhD (Educational Leadership & Organizational Development), University of Louisville, 2007
Anne B. Onyekwuluje PhD (Sociology), University of Nebraska-Lincoln, 1995
Douglas C. Smith PhD (Sociology), PA State University Main Campus, 1996

Associate Professor

James W. Kanan PhD (Sociology), PA State University Main Campus, 1996
Amy C. Krull PhD (Sociology & Anthropology), Purdue University Main Campus, 2000
Donielle M. Lovell PhD (Rural Sociology), University of Missouri-Columbia, 2009
Lauren N. McClain PhD (Sociology), Bowling Green State University, 2009
Carrie Trojan PhD (Criminal Justice), City University of New York, 2009

School of Media

Ron DeMarse, Interim Director
Mass Media & Technology Hall 214
(270) 745-4143
som@wku.edu

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. Subsequently, the University President grants authority to the Vice President for Enrollment and Student Experience to assume responsibility to oversee execution of the Code of Student Conduct. When appropriate, the Vice President for Enrollment and Student Experience may delegate conduct authority to additional University officials and committees in keeping with University policies, rules, and regulations.

University's Scope Governing Conduct

The University's scope to address student conduct extends to on-campus and off-campus settings. Additionally, jurisdiction to address student conduct extends to organizations, covers person-to-person interface, and interactions that occur electronically.

Purpose of the Code of Student Conduct

WKU developed the Code of Student Conduct to fulfill its mission, to ensure an environment conducive to learning, to establish high standards of integrity and conduct, and to safeguard students' personal freedoms. These personal freedoms imply particular student rights and responsibilities (https://www.wku.edu/studentconduct/).

Violations (https://www.wku.edu/studentconduct/) of Law and the Code of Student Conduct

Students who violate federal, state, or local laws may incur penalties prescribed by civil and criminal authorities. Nevertheless, the University reserves the right to review student incidents independent of action by civil and criminal authorities and to apply the University student conduct process as it serves the educational mission of WKU, a function separate and distinct from civil and criminal proceedings.

Academic freedom, constructive criticism, and due process of law depend upon civility of behavior by all members of the University community towards all other persons in all circumstances. The University will not tolerate the use or threat of force, violence, coercion, intimidation, obstruction, duress or disruption by any individual or group. Members of the University community found to be participants in such activities will be subject to immediate disciplinary action. Likewise, appropriate measures will be taken to stop and correct such activities by any non-member of the University community, whatever may be the claimed basis for his/her presence on the campus.

Following procedures of due process, if the WKU Code of Student Conduct is violated, the responsible parties will go through the University's disciplinary process, which is intended to be a fair and educational experience. Although a student accused of academic or nonacademic misconduct will be granted every consideration, if actions and behavior of the student are duly found to be detrimental to the University mission, function, property, or wellbeing, the University will apply an appropriate disciplinary outcome. Any WKU student may be expelled, suspended, placed on probation, or given a lesser outcome for one or more violations of the Code of Student Conduct.

Academic Misconduct (https://www.wku.edu/studentconduct/)

The University expects students to operate with the highest standards of integrity in all facets of the collegiate experience. Broadly defined, academic misconduct is any unethical self-serving action in the performance of academic work, deliberate or unintentional, that affords a student an unfair, unearned, or undeserved advantage.

The maintenance of academic integrity is of fundamental importance to the University. Thus it should be clearly understood that acts of plagiarism or any other form of cheating will not be tolerated and that anyone committing such acts will be held accountable for violation of the Code of Student Conduct.

Students who commit any act of academic dishonesty may receive from the instructor a failing grade in that portion of the course work in which the act is detected or a failing grade in a course without possibility of withdrawal. The faculty member may also present the case to the Office of Student Conduct.

Conduct Actions/Outcomes (https://www.wku.edu/studentconduct/) for Violations of the Code of Student Conduct

Following procedures of due process, when a student is accused of academic or nonacademic misconduct, the alleged policy violator will be required to go through the University's Student Conduct process. The following list describes University outcomes that may be administered as a result of violating the WKU Code of Student Conduct. A student accused of an alleged violation of the Code of Student Conduct will have the opportunity to review accusations, review any information, and will be able to provide a response. Outcomes may be used independently or in combination depending on the particular circumstance of the violation. Chronic and/or multiple violations during the course of an individual student's college career may increase the severity of outcomes applied. The Office of the Vice President for Enrollment and Student Experience, or designee, will make the determination whether allegations are sufficiently egregious to warrant consideration of suspension, dismissal, or expulsion. The following shall be factored into the decision-making process:

- The degree of willfulness or inadvertence;
- The degree of injury or risk of injury to the accused or to another person, if any;
- The extent of damage to property, if any;
- The danger or risk of danger to the University community, if any; and,
- Any other factor or circumstance bearing reasonably upon mitigation or aggravation or the seriousness of the alleged offense should it be established as a violation

Policy on Parental/Guardian Notification

Western Kentucky University is committed to student health and well-being. As a result, the University is concerned about the effect of alcohol and other drugs on the educational process. The Policy on Parental Notification is designed to assist parents in developing a partnership with their student and the University to address behaviors that detract from the educational purpose. The University will notify parents or guardians of dependent students for behaviors associated with The Code of Student Conduct under the following conditions:

- Any violation of the University Alcohol Policy
- Any violation of the University Drug Policy
- The student (under 21) was arrested by University Police in connection with a violation of the Alcohol or Drug Policy, or for DUI, public intoxication, Minor in Possession or any other drug or alcohol-related incident resulting in citation or arrest

- The student received medical assistance due to incapacitation, suspected incapacitation, or self-injury

The Family Education Rights and Privacy Act ("FERPA") allows the disclosure of specific information concerning the use or possession of alcohol or a controlled substance by students under the age of 21. The goal of parental/guardian notification is to enlist parental/guardian support for fostering more appropriate student behavior to create a safer community environment and reduce the many negative impacts of substance abuse.

Tailgating Policy and Procedures

Western Kentucky University wants you to have an enjoyable experience during your visit to campus. During WKU events and activities, safety is our primary concern. This Tailgating Policy is designed to enhance your safety and comfort and should 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 (https://www.wku.edu/sao/). (http://www.wku.edu/studentconduct/)

Policy for Supporting Students in Distress

The intent of the following policies, procedures, and definitions is to support an appropriate living and learning environment at Western Kentucky University for faculty, staff, and students. Incidents of disruptive behavior, brought on by student distress, will be assessed and a standard of care exercised to both assist the student in distress and to mitigate the ramifications of the distressing behavior on the University community.

Campus Partners Team

The Campus Partners Team (CPT) is a collaborative multidisciplinary team operating under the auspices of the Office of the Vice President for Enrollment and Student Enhancement. The team is charged with providing a layer of support for students exhibiting behaviors that instigate concern or imminently reckless behavior. Additionally, the team works jointly to educate the University community on prevention strategies to disrupt the risk of threatening situations. Using a case management theoretical framework, the CPT assesses student behavior, links students to campus and community resources, determines reasonable interventions, determines reasonable modifications to the learning environment when appropriate, and develops and implements a coordinated standard of care plan for students. The Team meets weekly to review referrals from faculty, staff, and students' demonstrative behavioral concerns. The CPT consists of the following offices:

- Office of the Dean of Students
- Office of Student Conduct
- Academic & Career Development Center
- Student Accessibility Resource Center
- University Police Department
- International Student Office
- Counseling Center
- Housing and Residence Life

Confidentiality and the Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act (FERPA) affords privacy protections for educational records without students' express written consent. However, specific exceptions can be made between faculty and staff when necessary to protect the health or safety of the student and others. Therefore, faculty, staff, and students may report concerns about students' behaviors to the CPT without violating FERPA provisions.

Student Services

Campus Recreation & Wellness (https://www.wku.edu/crw/) (CRW)

preston.center@wku.edu
Raymond B. Preston Health & Activities Center, Office 20a
(270) 745-6060
Operating Hours: M-F, 8:00-4:30

The Department of Campus Recreation & Wellness is located in the Raymond B. Preston Health and Activities Center. "Recreation, Fitness, and Fun...Steps To Life Long Activity" expresses the philosophy of this office and one that is implemented by providing recreational and healthy lifestyle opportunities for the university community.

The Raymond B. Preston Health and Activities Center is a 126,000 square foot facility that opened in 1992. It houses six basketball/volleyball/badminton courts, six racquetball courts, two indoor tennis courts, a swimming pool, a fitness center containing cardiovascular, selectorized strength and free weight equipment, a suspended indoor running track, a dance studio, separate faculty/staff and student locker rooms, a multipurpose room, a smart classroom, a Health and Fitness Lab, an Outdoor Recreation and Adventure Center, a pro-shop, a bike repair shop, and the Campus Recreation & Wellness Office.

Preston Center membership fees for all full-time students are included in their tuition during the fall and spring semesters. Part-time students carrying three or more hours may choose to pay for membership ($35.00) on a semester basis. Memberships are available for students' spouses and their children. Summer memberships are also available.

The Department of Campus Recreation & Wellness provides students, faculty and staff an opportunity for participation in constructive recreational activities. These programs consist of men's and women's competitive sports, co-recreational sports, faculty/staff activities, recreational free-play, outdoor recreation, sport club activities, instructional programs, fitness services, nutritional education and fitness classes.

The men and women's intramural sport programs are designed to give each student the opportunity to compete in sports and games of his / her choice. Typical activities included in these programs are badminton, basketball, battleship, college football pick'em, corn hole tournament, dodgeball, flag football, foot golf, futsal, March Madness bracket challenge, pickle ball, soccer, softball, table tennis, tennis, 3-point challenge, 3 on 3 hoops tournament, ultimate Frisbee, and volleyball. The faculty and staff at WKU may participate in the intramural sport program.

The sport club programs help students develop a higher skill level in a particular sport or activity. Each club must be organized and motivated through students' interests and has a faculty advisor. Active sport clubs include badminton, basketball, disc golf, fencing, golf, lacrosse, spike ball, rugby, soccer, sports officials, swimming and diving, tennis, volleyball and wrestling. Other sports can be represented if there is sufficient student interest.

The Hattie L. Preston Intramural Sports Complex, located two miles from campus on the corner of Campbell Lane and Industrial Drive, presents a significant addition to the Campus Recreation & Wellness facilities. Twenty-four acres were developed and include eight flag football fields, four softball fields and a combination soccer, rugby, field hockey, and lacrosse field. In the Fall of 2000, state of the art lighting, scoreboards and irrigation systems were added. The centerpiece of the Sports Complex is the two-story field house, which has administrative offices, a lounge, scorekeeping areas, a concessions area, restrooms and a storage area.

The Health & Fitness Lab, located in the Preston Center, provides clinical and educational services to students, faculty and staff of 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 (https://www.wku.edu/awellu/)® is the student wellness program at WKU that collaborates with other student services and programs on campus. It is designed to help students engage in services that promote healthy habits and success in the classroom and life in general. The Mission of the WellU® program is to unify student health promotion efforts at WKU. The WellU® program gives away $15,000 in scholarships and prizes every year to students for active participation. The Student Wellness Program is located in the Health Services Building (GGC@WKU) on campus adjacent to the Preston Center.

Hilltopper Nutrition is to educate and motivate WKU students, while collaborating with the community, concerning the importance of maintaining wholesome nutrition for their health. Hilltopper Nutrition provides the WKU campus with educational information covering a wide variety of nutrition-related topics and events. Students have access to healthy options all over campus to complement their demanding schedule. The Hilltopper Nutrition program works to provide healthier alternatives to everyday food choices, and provide students with the necessary information to make smarter, healthier choices while on campus. Look for the Healthier Eating Guide all over campus to help identify healthier options with a meal swipe. Don't forget to check out our blog, Hilltopper Nutrition, for information on our favorite nutrition topics. Hilltopper Nutrition is located in the Health Services Building (GGC@WKU) on campus.

The WKU Health Education & Promotion Program (HEP), located in the Health Services Building (GGC@WKU), provides health education and promotional programming to the student population by assisting in making behavioral changes that enhance all dimensions of health and wellness. Health Education and awareness is offered through a variety of services and programs allowing students to be successful at WKU and beyond. For more information about programs and services, please visit our website at: http://www.wku.edu/hep/ , or email us at 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, online alcohol and marijuana self-assessments, quit tobacco services, health communication campaigns/publications and more.

The Outdoor Recreation Adventure Center (ORAC) at Western Kentucky University offers a variety of outdoor programs for the university community at minimal cost to participants. Our goal is to enrich the campus experience through outdoor and cultural immersion experiences for a lifetime of fun and healthy living. Our main offering is our outdoor trips. We offer both local and nation-wide trips taking participants to places such as the Great Smoky Mountains, Rocky Mountain National Park, and the Buffalo National River. The activities we participate in are unique on campus and include rock climbing, canoeing, back packing, mountain biking, and dog sledding. Aside from our trips, we provide the campus community with a wide selection of outdoor rental equipment for those who wish to plan their own adventures. Last, but certainly not least, we provide the campus with a full-service bike repair shop fully showcasing our commitment to enriching the campus experience. For more information please contact our office at 270-745-6545. Our friendly staff is there Monday, Tuesday, Thursday, and Friday 12-6pm.

The ORAC manages the WKU Challenge Course which features both high and low ropes elements. The WKU Challenge Course is located at the WKU Agricultural Farm. The WKU Challenge Course provides team-building experiences to foster group cohesiveness and self-empowerment. Activities at the course range from ground based problem-solving to traversing high course elements or zip lining 40 feet in the air. With 10 low course elements and 12 high course elements, the sky is the limit for what you can accomplish at the course. You can experience the Challenge Course either by scheduling a group or by taking an academic course. Visit https://www.wku.edu/challengecourse/ for more information!

Student employment opportunities are available through the Department of Campus Recreation & Wellness in the following areas: receptionists, front desk attendants, facility supervisors, fitness center attendants, lifeguards, group exercise instructors, office assistants, personal trainers, health & fitness lab assistants, ORAC attendants, Bike Shop repairs, challenge course facilitators, intramural supervisors, sport club supervisors, and sport officials. We also have employment in the areas of website design, data programming, public relations, and marketing.

Career Development (https://www.wku.edu/career/)

Advising and Career Development Center (ACDC)

wku.joinhandshake.com (https://wku.joinhandshake.com/)
careerhelp@wku.edu
Downing Student Union 2001
(270) 745-3095

Career development services for graduate students are provided by the Advising and Career Development Center. All other ACDC services are specifically for undergraduate students. Contact the Graduate School (graduate.school@wku.edu) for additional graduate student service information.

Center for Innovative Teaching & Learning (https://www.wku.edu/citl/) (CITL)

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
Potter Hall 409
(270) 745-3159

The Counseling Center at WKU provides the following services without assessing a fee or billing insurance: individual, couples, and group counseling services for currently enrolled students; educational programs for classes, organizations, and departments; consultation to faculty and staff regarding student behavior; referrals to psychiatrists, psychologists, and counselors outside of the university; and, crisis/emergency assistance for situations that arise on campus or in our community.

Division of Extended Learning and Outreach (https://www.wku.edu/delo/) (DELO)

delo@wku.edu
Knicely Conference Center, Office 105
2355 Nashville Road
Bowling Green, KY 42101
(270) 745-1901

The Division of Extended Learning & Outreach (DELO) at WKU is made up of units that connect the educational resources of WKU to our community. We are the academic outreach arm of the university, partnering with faculty and departments to provide credit and non-credit learning opportunities to students, and we work with businesses and organizations to provide customized workforce training, to plan special events, and to develop programs that meet their specific needs.

DELO units:

- WKU Online
  - Online Student Services
  - Online Program Development
  - DELO Testing Center
  - On Demand
  - Online Recruiting
- Cohort Programs
- Continuing & Professional Development
  - Career & Workforce Development
  - Lifelong Learning
  - Training Resources & Event Planning Services
  - Conference Services
- Dual Credit (Undergraduate Only)
- Regional Campuses
- Summer and Winter Sessions Support

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 flex-paced, asynchronous online courses for students to pursue educational experiences outside the traditional college classroom. On demand courses are offered to help undergraduate and graduate students who, because of distance or time constraints, cannot participate in traditional on-campus or semester-based online courses. Over 100 web courses are available and WKU faculty teach all courses.

Online Student Services
(270) 745-3028

Online Student Services provides students with access to support designed to help them succeed in reaching their educational goals. WKU staff answer questions about online degrees and web courses, assist with the admission and course registration process, and connect students to needed resources. Services for online students include an online orientation, library services, research support, an online writing center, and online tutoring. In addition to one-on-one support provided by OPS, live and recorded webinars are also available on a variety of topics.

Online Program Development
(270) 745-5305

Online Program Development extends support to academic departments to facilitate the development and offering of online learning courses and programs. OPD offers marketing and promotion and guidance on state authorization and federal regulation compliance. Using data-driven solutions, OPD serves faculty and supports online courses that have a measurable, positive impact on WKU students.

DELO Testing Center (https://www.wku.edu/testing/)
(270) 745-5122

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 academic placement and workforce certification exams.

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 flex-paced, asynchronous online courses for students to pursue educational experiences outside the traditional college classroom. On demand courses are offered to help undergraduate and graduate students who, because of distance or time constraints, cannot participate in traditional on-campus or semester-based online courses. Over 100 web courses are available and WKU faculty teach all courses.

Students may register for on demand courses any day of the year and may complete on demand courses in as little as 7 weeks or take up to 9 months. Admission to the University is not required to enroll in on demand options; however, if students intend to pursue a degree, they must be formally admitted. All registrations are considered in-state for tuition purposes. A list of available on demand courses can be found on our website or by viewing WKU's schedule of classes and searching by campus "On Demand."

Online Recruiting
(270) 745-5173
learn.online@wku.edu

WKU offers an orientation and other information for online learners. For a complete list of online degree programs, please visit our website (https://www.wku.edu/online/).

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 Augenstein

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.

Under the direction of the Division of Extended Learning and Outreach (DELO), 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.

Summer Sessions (https://www.wku.edu/summer/) and Winter Sessions (https://www.wku.edu/winter/) Support

(270) 745-1901
summer.sessions@wku.edu (:summer.sessions@wku.edu)
winter.session@wku.edu (:winter.session@wku.edu)

The Division of Extended Learning and Outreach provides administrative, marketing, and student support for Summer and Winter Sessions. DELO advertises for both Summer and Winter Session course offerings, while offering students guidance with admissions requirements, course selection, and registration assistance. These are optional terms offering short, intensive courses on campus, online, and Study Abroad. Winter and Summer sessions are excellent opportunities for students to move more quickly toward graduation, lighten Fall/Spring semester load, or catch up after changing majors.

Global Learning & International Affairs (https://www.wku.edu/international/) (GLIA)

Honors College and International Center (HCIC)

(270) 745-5334

Global Learning and International Affairs (GLIA) works on campus and around the world to offer WKU students transformative global learning experiences. GLIA consists of four units: *International Recruitment and Admissions; International Student and Scholar Services; International Student Progress; and Study Abroad and Global Learning. International Recruitment and Admissions* leads WKU's efforts to recruit a diverse and qualified population of students from around the world. *International Student and Scholar Services* support prospective and current WKU students with immigration and visa compliance, as well as organizing programming to integrate international students into the US and WKU community. *International Student Progress* will develop the University's non-credit English as a Second Language program for non-native English speakers, as well as the credit-bearing International Student Progress Pathway. *Study Abroad and Global Learning* is WKU's one-stop shop for students seeking credit-bearing study off-campus in the US and worldwide. SAGL now includes the Office of Faculty Led and Study Away. WKU faculty and SAGL collaborate to build affordable, discipline-focused short-term off-campus study opportunities. All GLIA units are housed in the Honors College and International Center building.

International Recruitment and Admissions (IRA)

International Recruitment and Admissions (IRA) uses right-fit recruiting to bring a diverse, talented pool of international students to WKU's campus. 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 to eligible international students.

IRA also provides critical outreach to a wide-range of constituents—both internal and external. Through the creation and dissemination of timely and useful information, IRA provides key support for international student recruitment and retention, as well as the overall communication needs of GLIA.

International Student and Scholar Services (https://www.wku.edu/international/) (ISSS)

iso@wku.edu
Honors College and International Center (HCIC)
(270) 745-4857

International Student & Scholar Services (ISSS) welcomes and assists international students and visiting scholars through advisement, programming, and support services. As the primary point of contact for prospective students and visiting scholars, ISSS generates immigration documents necessary for them to secure the appropriate F-1 or J-1 visa that is required to study or work at Western Kentucky University. ISSS is responsible for ensuring WKU's compliance with U.S. federal laws and regulations that pertain to immigration requirements of the U.S. Department of Homeland Security (DHS), the U.S. Department of State (DOS), and other federal agencies. ISSS serves as WKU's official liaison and primary point of contact for these federal offices. Based on their directives and regulations, ISSS advises students and visiting scholars on matters related to maintaining and or changing immigration statuses, transferring to and from WKU, student and scholar visa matters, work authorization, and other issues related to navigating life and studies in the United States.

Once students and visiting scholars have arrived on campus, ISSS offers orientation, workshops and programming to promote acculturation, adaptation, and personal adjustment to WKU and the Bowling Green community. Additionally, ISSS manages the International Student Diplomat program which provides mentoring to current and prospective international students to assist them in achieving their personal, educational, and professional goals. ISSS works closely with several student-run organizations to help foster interactions between domestic and international students.

Study Abroad and Global Learning (https://www.wku.edu/studyabroad/) (SAGL)

study.abroad@wku.edu
Honors College & International Center 1014
(270) 745-5334

The Office of Study Abroad & Global Learning (SAGL) serves the WKU community by engaging students, faculty, and staff in diverse educational and cultural experiences through faculty-led, exchange, consortia, and other off-campus study opportunities.

Study abroad programs at WKU offer students the opportunity to incorporate international academic, professional, and cross-cultural experiences into their education. WKU offers a wide variety of international education opportunities for a range of academic disciplines and budget needs. Students can choose to study, intern, volunteer, student teach, or conduct research abroad during any academic term.

The National Student Exchange and domestic faculty-led programs provide similar study, internship, volunteer and research options without the need for a passport.

Students who wish to take advantage of off-campus opportunities should start planning early to ensure the most affordable and academically enriching experience. Each student should be aware of the university's academic requirements and regulations contained in this catalog. It is recommended that students work closely with their academic departments and the SAGL office to carefully select a program that meets their academic needs, fulfilling specific degree requirements through courses offered on the program.

Types of Study Abroad Programs

WKU students wishing to study at another university or in another country have a variety of options from which to choose including short-term faculty-led programs, exchange programs, WKU partner programs, and provider programs. More detailed information on all study abroad options can be found on the SAGL website (http://www.wku.edu/studyabroad/), but a brief overview of each type of program follows.

- WKU Faculty Led Programs -- WKU faculty members offer courses for WKU students that are taught elsewhere in the U.S. or in a different country. These courses are typically 1-7 weeks in length and carry 3-6 credit hours, and they generally occur during the winter or summer terms.

- WKU International Exchange Programs -- WKU has formal agreements with more than a dozen institutions of higher education outside the United States. Exchange programs are typically for a semester or an academic year, and they offer students the opportunity to become fully integrated into a foreign university. Shorter-term opportunities exist with some exchange partners.

- The National Student Exchange -- This program allows students to study in another U.S. university for a semester or year while paying WKU tuition. It gives WKU students the opportunity to specialize in an area WKU cannot offer.

- WKU Partner Programs -- WKU has close partnerships with several programs and study abroad consortia. The two on-campus consortia partners—the Kentucky Institution for International Studies (KIIS) and the Cooperative Center for Study Abroad (CCSA)—offer affordable, short-term program options with both undergraduate and graduate level course offerings, several of which are taught by WKU faculty members.

- Provider Programs -- WKU has affiliation agreements with a variety of study abroad program providers which offer a plethora of short-term, semester, and academic year programs in numerous countries around the world. Students who are unable to find a program that meets their academic needs through faculty-led, exchange programs, or WKU partner programs can certainly find good options through affiliate providers.

Financing Study Abroad

Scholarships and financial aid are available for most study abroad programs. Students who are eligible for financial aid and/or are receiving scholarships can typically use those awards towards the cost of a study abroad program. The Office of Study Abroad and Global Learning, the Student Financial Assistance Office, and the Office of Scholar Development can help students plan financially for this important investment in their college education.

WKU has created several significant study abroad scholarships to support WKU students who pursue international opportunities. These scholarships include the World Topper Scholarship and the Enhancing Diversity in Global Education (EDGE) grant. While the World Topper Scholarship is intended to support any WKU student planning to study abroad, the EDGE is intended to provide significant financial support for diverse students. For more information about these and other scholarship opportunities available through WKU and external organizations, visit the SAGL webpage. (http://www.wku.edu/studyabroad/)

Safety & Code of Conduct

The safety of our students is of paramount importance. Students are provided with information pertaining to insurance requirements, emergency procedures, and health and safety abroad during the pre-departure process, both in writing through SAGL's online application and enrollment tracking system, and in person at the mandatory pre-departure orientation session. Additional on-site orientation is provided upon arrival in the destination country. Students are also required to register with the U.S. State Department's Smart Traveler Enrollment Program (STEP) prior to departure, which enables the State Department to reach students directly when security-related information is issued or updated. While abroad, WKU students are held to the standards set forth in the university's Student Code of Conduct. The Office of Student Conduct will be notified of any serious disciplinary violations that occur during an education abroad experience.

Health Services (https://www.wku.edu/healthservices/)

ggc.wkuhealthcare@wku.edu
1681 Normal Drive
(270) 745-CARE (2273)

Graves Gilbert Clinic Health Services is a fee for service primary care center dedicated to providing the WKU campus and community with quality medical care and health promotion services. On site services include physician and nurse practitioner office visits, mental health, women's and men's health, ECG, laboratory, x-ray, allergy shot administration, immunizations, STI testing/treatment, contraceptives, physicals, drug screenings, occupational health, health education, wellness services and physical therapy. In addition, Graves Gilbert Clinic is a multi-specialty group with access to a broad array of in-depth health care services.

The staff includes Board Certified Medical Doctors (Family Medicine and Sports Medicine), Nurse Practitioners, registered medical assistants, X-ray and lab technicians. The Clinic is a provider for many insurance plans and will be listed in your group's provider list if we are participating in your plan. Patients need to bring a current copy of their health insurance card, photo id, and applicable co-pay for each visit. Failure to present your insurance card(s) at registration may result in you being considered a self-pay patient with the accompanying expectation of payment at the time of service. If you do not have insurance coverage, health services will provide services for a cash price which is due at the time of registration. If charges are not paid in full on the date of service, you will be requested to provide the Financial Counselor with credit or debit card information. We accept BIG RED CARD for co-pays and payments.

As a courtesy, we will file insurance when appropriate or bill the patient directly. Our current hours for the fall/spring semester are Monday through Thursday 8am-6pm and Friday 8am-4:30pm. Physicians will be providing after hour call coverage with access to Graves Gilbert Clinic Walk In Care and Emergency Room Services if needed.

Student health insurance is also available -- visit Health Services (https://www.wku.edu/healthservices/) for more information.

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 Deposit and Fee Payment

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

Students who submit a Residence Hall Housing Agreement and deposit prior to the first day of classes for either fall or spring semester will be

billed their appropriate housing fee by the business office. Payment must be made in full by the date specified on the bill. Students who submit a Residence Hall Housing Agreement on or after the first day of classes for either the fall or spring semester agree to submit the $150 housing deposit to the Department of Housing and Residence Life. The full semester, prorated semester, or full bi-term housing fee is also payable at the business office at the time the Housing Agreement is submitted and accepted.

Cancellations and Refund Policy

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

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

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

Room Assignments

Room assignments are made based upon the date of receipt of the Housing Agreement. Returning residents who renew their housing agreement prior to the established deadline are given "priority status" and are reassigned first. Incoming freshmen and transfer students are assigned next based upon their date of receipt. Although there are no guarantees, special consideration is given to the indicated preferences. Roommate preferences are made based on availability and mutual requests. It is recommended that residents wishing to room together should submit their Agreements together when possible.

Residence Hall Rooms

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

Reservations

Students should submit the completed Residence Hall Housing Agreement with their $150 deposit immediately after being admitted to the University. Students may apply online through the 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/)

Jody Richards Hall 224
(270) 745-7000 Service Desk

Information Technology Services (ITS) is a unit in the Division of Finance and Administration. The goal of ITS is to provide WKU students, faculty, and staff with superior customer service; reliable and timely technical support; state-of-the-art technology tools; technology training; and convenient access to computing and communications resources. ITS continually places specific emphasis on the use of information technology in student learning, faculty teaching, and staff productivity.

ITS services include: providing instructional delivery and support leveraging a variety of technologies to support face-to-face and distance education; delivery of information through a mobile app for key systems and services such as email, course schedules, meal plan management, campus maps, and bus schedules; support of Student Technology Center locations (open labs), providing computers and printing services available to all WKU students, faculty, and staff; and support of departmental labs/classrooms.

In addition, WKU ITS provides a number of user support services including both a centralized ITS Service Desk and TopperTech, a complimentary repair service for student computers, and where students and employees can checkout technology equipment for academic or WKU-sanctioned purposes.

Intercultural Student Engagement Center (https://www.wku.edu/isec/) (ISEC)

isec@wku.edu (:isec@wku.edu)
Dero Downing Student Union 2041
(270) 745-5066

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.

Military Student Services (https://www.wku.edu/veterans/)

military@wku.edu
Gary Ransdell Hall 2052
(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/) 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
- Federal Tuition Assistance help for all active duty service members from all branches. WKU participates in GoArmyEd, the AI portal for Air Force personnel and the Navy and Marine Corps TA programs

Since 1972 WKU has provided educational opportunities on post at Ft. Knox. WKU also offers the only Veterans Upward Bound program in Kentucky, an award winning Army ROTC, an Air Force ROTC program, and so much more.

Western Kentucky University is committed to ensuring flexibility toward obtaining a degree to service members, as stated in the Higher Education Relief Opportunity for Students (HEROES) Act of 2003. Several WKU policies apply specifically as mentioned below:

- The Military Withdrawal policy permits an active duty service member the ability to withdraw from a course or the entire schedule of classes, and receive a tuition and fee refund.
- A degree term extension is available.
- Active duty service members may request a grade of incomplete if a relatively small amount of work is not completed, allowing an extension due to deployment.
- 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

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

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

WKU also supports and complies with the U.S. Department of Education Readmission policy (http://www.ecfr.gov/cgi-bin/text-idx/?SID=39e00d2cf51750ff02f3872015b89388&mc=true&node=se34.3.668_118&rgn=di

Office of International Programs (https://www.wku.edu/oip/) (OIP)

internationalization@wku.edu (internatinalization@wku.edu)
Honors College & International Center, Suite 3027
(270) 745-5334

The Office of International Programs (http://www.wku.edu/oip/) (OIP) supports the internationalization agenda of the university by creating opportunities for faculty and staff development in a global context and supporting the development of meaningful co-curricular programming for student, campus, and community audiences.

Global Programming

OIP develops and coordinates programming and events that foster WKU's international aspirations. OIP facilitates the *International Year Of…* program, a unique, annual initiative designed to internationalize

the WKU campus and surrounding community through a yearlong exploration of a single world region or country. For the *International Year Of…(IYO)* program, OIP partners with academic and non-academic units to create opportunities for students, faculty, staff and the larger community to engage with and explore a country's diverse cultural, historical, political, and geographical landscapes—all without a passport. Past country spotlights include Ecuador (2014-15), South Africa (2015-16), South Korea (2016-17), Bosnia and Herzegovina (2017-18), and Cuba (2018-19). *International Education Week*, another OIP-led program occurring every fall, is a week-long celebration inviting students, faculty, staff, and community members to engage in activities and events that facilitate global learning and constructive dialogue.

Partnerships
OIP assists with the development of active and sustainable international agreements that create opportunities for faculty mobility, collaborative research, and global engagement. WKU currently maintains active partnerships with more than fifty universities and organizations around the world.

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 at Western Kentucky University is to provide outstanding support for the research, service, creative, and scholarly endeavors of our 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.

Our unit includes the Office of Sponsored Programs and the Office of Research Integrity. The Office of Sponsored Programs (https://www.wku.edu/sponsoredprograms/) is a service unit that assists the faculty and staff at WKU in obtaining and administering external funds. The Office of Research Integrity (https://www.wku.edu/compliance/) provides guidance in the protection of the rights, welfare, and security of faculty, staff, and students involved in activities throughout the WKU campus system and supporting communities to ensure compliance with federal, state, and local requirements.

We also oversee a variety of programs and initiatives that provide support for research, creative, and other scholarly enterprises at WKU

Office of Scholar Development (https://www.wku.edu/osd/) (OSD)

osd@wku.edu
Honors College & International Center 1045
(270) 745-5043

The Office of Scholar Development (OSD) challenges students to dream big and assists them in making those dreams attainable. OSD staff members help students apply for nationally competitive scholarships by assisting students in finding opportunities to be engaged in their chosen fields beyond the classroom and aiding them in the process of finding the right programs, making important contacts, developing strong proposals, and revising numerous drafts. The office works with students in all majors and degree programs as well as recent graduates.

Fulbright Faculty and Student Programs
Anthony Harkins (anthony.harkins@wku.edu), Faculty Contact
(270) 745-3841
Melinda Grimsley (melinda.grimsley@wku.edu), US Student Contact
(270) 745-5043
International Student Contact (:iso@wku.edu)
(270) 745-4857

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.

Fulbright student grants for study, research, or teaching abroad are available to well-qualified applicants holding a bachelor's degree or the equivalent before the beginning date of the grant. Selection is based on academic record, validity of the proposed study, language preparation, and personal qualifications.

Parking and Transportation Services (https://www.wku.edu/transportation/)

transportation@wku.edu
578 Campbell Lane
(270) 745-2361

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

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

Police Department (https://www.wku.edu/police/)

wkupolice@wku.edu
Parking Structure 2
(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 fresh baked muffins, stuffed croissants, wraps, bagels, and hot bagel breakfast sandwiches each morning; easy for the student that is on the go. The lunch menu includes a wide variety of soups, salads, gourmet chips, signature selection sandwiches and wraps made to order. The original menu provides a diverse selection of convenient ready-to-go salads and sandwiches, making it especially well-suited for customers on a tight schedule. The options at DaVinci's are available for breakfast and lunch as well as for a mid-morning or afternoon snack. Located in Snell Hall.

WKU Commons at Helm Library

- **Bene Pizzeria** – Offering personal size pizzas and pastas
- **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.
- **Restaurant Rotation** – a location that rotates its menu throughout the semester to continually give guests something new to look forward to.
- **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 lunch fare, including-scratch pastries. This is a local favorite for a quick, delicious lunch - we start with simple recipes, made with great ingredients.

Center of Campus

- **Hilltopper Hall** – Hilltopper Hub offers all-you-care-to-eat options for all of the campus community. Located in the residential hall, Hilltopper Hall. Offering favorites like made-to-order flatbread pizzas

and rotating home-style meals, Hilltopper Hub is sure to become your happy place.

- **P.O.D. Market @ Bates Runner Hall** - Provisions on Demand (P.O.D.) offers a variety of fresh food, produce and everyday essentials that deliver quality, selection and value. Quite simply, P.O.D. is committed to giving people the stuff they want when they want it. Located in Bates Runner Hall and connected to the SUBWAY @ Bates.
- **Subway @ Bates Runner Hall** - SUBWAY® is located on the ground floor of Bates Runner Hall. It offers a delicious variety of foot long and 6-inch sandwiches, salads and wraps that are made with a wide assortment of meats, cheeses, vegetables and toppings. All SUBWAY® sandwiches are made on freshly baked bread and are prepared right before your eyes, just the way you like it.
- **Fresh Food Company** – Providing our guests with the highest quality foods prepared right before your eyes, The Fresh Food Company offers one of the most exciting dining experiences on campus. It features authentic upscale foods from 'mini-restaurants' – Deli, Dessert, Home, Mongolian Grille, Oven, The Produce Market, Sauté and 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! From Sweet and Spicy Korean to Cajun Rice Bowls, Burrito Bowl has it all.
- **Starbucks** – Starbucks is one of the hottest spots on campus! Enjoy one of the famous coffee beverages, teas, pastries or sandwiches any time throughout the day. Located on the Downing Student Union first floor.

Bottom of the Hill

- **Einstein Bros. Bagels** – with its generous selection of freshly-baked bagels, bagel sandwiches and premium gourmet coffee, as well as, made to order sandwiches, salads, fresh fruit, blended drinks and healthy snacks, this popular brand provides a pleasant start to the day or an afternoon break from the campus routine. Einstein Bros. Bagels' "Darn Good Food" menu selection also offers many low-fat and low-carb options to appeal to customers' desires for healthier options. Located in Jody Richards Hall.
- **The Den by Denny's @ Tower Court** – This is a place with a vibe. Where you step right up to the counter and order from a wide array of items. The menu is breakfast all-day, plus sandwiches, burritos, salad – all made the way we eat today. Saucy, spicy, slightly unruly,

proudly old-schooley. (Hand mixed shakes, anyone?) This is "The Den". Located next to Pearce Ford Tower.

- **Pit Stop Convenience Store** – Offers a variety of everyday essentials for snacks on the go or for your room. Located next to Pearce Ford Tower.

First Year Village – Regents Hall
- **The Spread – Wicked Good Subs –** Our chef-inspired signature subs are infused with our epic house-made spreads, toasted to perfection and finished your way. Our subs are bold, fierce, simple….wicked good.

- **Java City –** Java City offers a high-quality, beverages from signature drinks to Cold brew and Nitro coffee, teas and smoothies. Also offered are food offerings to capture all morning and afternoon dayparts including premium snacks and pastries. 100% of Java City coffee & espresso is Rainforest Alliance certified, ensuring that farms and cooperatives that meet rigorous standards for environmental conservation as well as social responsibility and fair labor practices. We serve the smoothest coffee in a relaxing, welcoming environment—staying true to our values of being authentic, honest, friendly, accessible and continuously curious.

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
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, Print Center & 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, administrative offices for the WKU Restaurant Group, a Study Lounge, the Recreation Room, Nite Class, 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), Offices for Student Activities and Leadership & Volunteerism Program, The Intercultural Student Engagement Center, The Gallery, The Pride Center, the Spirit Masters Office, and the ID Center. And, the third floor has various sizes of meeting and multipurpose rooms. To reserve space in the Union please visit www.wku.edu/dsu. (https://www.wku.edu/dsu/)

Lost and Found
The Downing Student Union Operations Office maintains campus-wide lost and found. A valid picture ID must be provided to claim an item.

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)

cec@wku.edu
104 Alumni Avenue
(270) 745-4232

The Suzanne Vitale Clinical Education Complex (CEC) houses the Communication Disorders Clinic, the Renshaw Early Childhood Center, the Family Resource Program, and the Kelly Autism Program. The CEC provides applied research opportunities for both graduate and undergraduate students and valuable services to the community at large. This complex is a comprehensive clinical setting for education and health and human services professionals. The CEC builds upon a strong tradition at Western Kentucky University to meet community needs, fill service delivery gaps, provide opportunities for applied research, and enrich both undergraduate and graduate students' educational experiences through an interdisciplinary teaching approach.

Communication Disorders Clinic

The CDC, a Kentucky licensed rehabilitation clinic, provides outpatient services to individuals with communication disorders, offering evaluation and treatment services supervised by certified and licensed faculty in language, articulation, voice, fluency, hearing and swallowing disorders.

Vickie and Dan Renshaw Early Childhood Center

The Renshaw ECC provides multidisciplinary services to children with developmental delays and disabilities as well as typically developing children in a group setting. The RECC provides training for university students in early childhood education and related fields. It is also a center for research and collaboration with community partners and early childhood professionals.

Family Resource Program

The FRP is a service/resource program staffed with social work faculty and students. Staff are available to meet with family members and significant others to provide information, resource materials, screening services, case management services, support and referrals. Programming is focused on individuals and families with special needs.

Kelly Autism Program

KAP provides programming and services for individuals ages 7 through adult who have been diagnosed with autism spectrum disorder (ASD) and other disabilities. KAP focuses on developing: social, communication, sensory, executive functioning, transition, community, and academic skills. KAP also provides a Circle of Support program for individuals with ASD who are attending WKU.

WKU Libraries (https://www.wku.edu/library/)

library.web@wku.edu
Helm-Cravens Library
(270) 745-6125

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

Creating Environments

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

Connecting People

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

Collaborating with Communities

The Libraries are continuously challenged to balance the resources of the present, while preserving the past, and preparing for the future. Technology, digital resources, and a plethora of information have

transformed library services. The Department of Library Special Collections houses a wealth of primary research materials in physical and digital format, most relating to the university and the state of Kentucky. TopSCHOLAR® –the open, scholarly and creative database of WKU – provides access to WKU intellectual assets to researchers from around the world. Our University Libraries also collaborates with institutions across Kentucky and globally to effectively deliver Interlibrary Loan resources.

Visit the University Libraries (https://www.wku.edu/library/) for research guides, news, and information.

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 can enjoy textbooks/course materials in a variety of formats at competitive pricing. 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!

Indexes

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: spring 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

ACCT 431G   Federal Taxation - Business Entities   3 Hours
Furthers the student's understanding and knowledge of the federal income tax structure as it applies to partnerships and corporations. Other specialized area of taxation are also covered. Emphasis is placed on the use of tax services in researching tax problems.
Prerequisite(s): ACCT 430 (may be taken concurrently) with a minimum grade of C
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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 2019; spring 2020; spring 2021

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 2019; fall 2020; fall 2021

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 2019; fall 2020; fall 2021

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 2019; spring 2020; spring 2021

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 2019; fall 2020; fall 2021

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: spring 2019

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 2019; spring 2019; summer 2019; spring 2020; fall 2020; winter 2021; summer 2021

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 2019; summer 2020; summer 2021

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 2019; fall 2019; spring 2020; fall 2020; spring 2021

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 2019; summer 2020; fall 2021

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 2019; spring 2020; summer 2020; fall 2020

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: fall 2019; fall 2020; fall 2021

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: spring 2020; fall 2020

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 2021; summer 2021

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 2019; fall 2020; fall 2021

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 2019; spring 2020; spring 2021

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 460G   Agricultural Policy   3 Hours
The role of agriculture in the national economy; objectives of agricultural policy; appraisal and proposed agricultural programs; legislation for economics action.
Prerequisite(s): AGEC 360
Recent Term(s) Offered: None

AGEC 461G   Advanced Farm Management   3 Hours
Identification, analysis, and solution of problems of farm organization and operation. Case studies and field trips to situation farms in South Central Kentucky.
Prerequisite(s): AGEC 361 or permission of instructor
Recent Term(s) Offered: None

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): AGEC 361 or permission of instructor
Recent Term(s) Offered: spring 2019; spring 2021

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: None

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 2019; fall 2019; spring 2020; fall 2021

AGEC 671   ADVANCED AGRIBUSINESS   3 Hours
Follow steps of a disciplined entrepreneurship process to create an agribusiness venture. Comprehensive strategic planning for new or existing agribusiness. Economic principles, marketing, management, and accounting techniques necessary for a profit-maximizing agribusiness venture.
Recent Term(s) Offered: None

AGEC 675   Advanced Topics Agricultural Economics   3 Hours
No course description is available
Recent Term(s) Offered: spring 2019; fall 2020; fall 2021

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
Principles of curriculum development, curriculum alignment, and assessment of content standards.
Recent Term(s) Offered: fall 2019

AGED 584   Program Development/Agriculture Education   3 Hours
For new and returning ag-ed teachers. Covers planning, conducting, and following through instructional programs for secondary, post-secondary, and/or adult students.
Recent Term(s) Offered: spring 2019

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: spring 2019

AGED 675   Advanced Topics in Agriculture Education   1-3 Hours
No course description is available
Recent Term(s) Offered: spring 2019

Agriculture - General (AGRI)

AGRI 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 students and faculty.
Recent Term(s) Offered: None

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 2019; fall 2020; fall 2021

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: fall 2019

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 2019; fall 2020

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
Equivalent(s): GEOS 590
Recent Term(s) Offered: spring 2020; spring 2021

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: summer 2019; fall 2019; spring 2020; fall 2020; spring 2021

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 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

AGRI 600   Maintaining Matriculation   1-6 Hours (repeatable max of 6 hrs)
Continued enrollment for thesis completion.
Recent Term(s) Offered: spring 2019; summer 2019; spring 2020; summer 2020

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: spring 2019; spring 2020

Agronomy (AGRO)

AGRO 414G   Crop Improvement   3 Hours
Identification, development, and utilization of genetic differences in the improvement of cultivated plants. Note: Six hours of plant science required.
Recent Term(s) Offered: None

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: fall 2019; spring 2021

AGRO 421G   Forage Crops Laboratory   1 Hour
A laboratory course correlated with AGRO 420G.
Corequisite(s): AGRO 420G
Recent Term(s) Offered: fall 2019; spring 2021

AGRO 455G   Soil Chemistry   2 Hours
Analytical techniques used in soil chemistry and soil fertility; studies nutrient determination, colloidal systems, chemical properties related to plant nutrition.
Prerequisite(s): AGRO 350
Corequisite(s): AGRO 456G
Recent Term(s) Offered: None

AGRO 456G   Soil Chemistry Lab   1 Hour
A laboratory course correlated with AGRO 455G.
Corequisite(s): AGRO 455G
Recent Term(s) Offered: None

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: None

AGRO 458G   Soil Form/Class/Map Lab   1 Hour
A laboratory course correlated with AGRO 457G.
Corequisite(s): AGRO 457G
Recent Term(s) Offered: None

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: None

AGRO 509   Weed Science   2 Hours
Identification of prominent week 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: None

AGRO 510   Weed Science Laboratory   1 Hour
A laboratory course correlated with AGRO 509.
Corequisite(s): AGRO 509
Recent Term(s) Offered: None

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: spring 2019

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 2019

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 2019; spring 2021

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 2020; spring 2021

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 2019; fall 2020

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 2019; fall 2020

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 2020

ANSC 449G   Lab Methods Animal Nutrition   3 Hours
Laboratory methods for determining major minerals and vitamins in feeds, proximate analysis of feeds, products of fermentation, feed residues and contamination.
Prerequisite(s): ANSC 448
Recent Term(s) Offered: None

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: None

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 546   Advanced Animal Breeding   3 Hours
Application of population genetics to the economic improvement of farm animals, phenotypic and genetic relationships, role of selection in changing populations, formulation and application of breeding plans.
Prerequisite(s): (ANSC 446 and AGRI 528) 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
No course description is available
Recent Term(s) Offered: spring 2019; summer 2019; spring 2020; summer 2020

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.
Course Fee: $10
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: fall 2020

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: spring 2020

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: summer 2019

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: None

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: None

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.
Course Fee: $50
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: None

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.
Course Fee: $50
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: None

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 2019; spring 2020

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 400G   Plant Physiology   4 Hours
A study of the general principles by which plants function. Three areas discussed are transport and translocation of water and solutes, metabolism with special emphasis on photosynthesis, and plant growth and development.
Recent Term(s) Offered: None

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: None

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.
Course Fee: $20
Recent Term(s) Offered: fall 2019; fall 2020; fall 2021

BIOL 405G   Aquatic Insect Diversity   2 Hours
The taxonomy and biology of the insects commonly encountered in freshwater habitats.
Recent Term(s) Offered: spring 2019; spring 2021

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: spring 2019; spring 2021; summer 2021

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 2019; summer 2019; summer 2020; spring 2021; summer 2021

BIOL 412G   Lab Cell Biology   1 Hour
A laboratory course correlated with BIOL 411G.
Course Fee: $20
Recent Term(s) Offered: spring 2019

BIOL 446G   Biochemistry I   3 Hours
Biochemical compounds and their role in metabolism.
Recent Term(s) Offered: winter 2019; summer 2019; winter 2020; summer 2020; winter 2021; spring 2021; summer 2021; fall 2021

BIOL 447G   Lab Biochemistry I   2 Hours
Selected experiments which illustrate biochemical principles. Five hours per week.
Course Fee: $35
Recent Term(s) Offered: fall 2021

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.
Course Fee: $20
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: fall 2019

BIOL 457G   Herpetology   4 Hours
An introduction to the classification and biology of reptiles and amphibians.
Recent Term(s) Offered: spring 2020

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.
Course Fee: $25
Recent Term(s) Offered: fall 2020

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 2019; spring 2021

BIOL 460G   Parasitology   4 Hours
The morphology, physiology, life histories, control and economic significance of representative species. Lecture, two hours; laboratory, four hours.
Course Fee: $20
Recent Term(s) Offered: None

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 2019; fall 2021

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 2020

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 2020

BIOL 475G   Independent Topics/Biology   1-3 Hours (repeatable max of 6 hrs)
Significant problems and developments of current interest in biology.
Recent Term(s) Offered: summer 2020; summer 2021

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 2019; summer 2020; summer 2021

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 2019; fall 2019; summer 2020; fall 2020; fall 2021

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 and overnight travel.
Course Fee: $20
Recent Term(s) Offered: fall 2020

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 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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: spring 2020; fall 2020

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 2019; spring 2020; fall 2021

BIOL 505   Aquatic Insect Ecology   3 Hours
Ecological functions, evolutionary adaptations, and indicators of environmental quality of aquatic insects.
Recent Term(s) Offered: fall 2021

BIOL 507   Science Concepts for Elementary Teachers   3 Hours
This course provides basic background to the KY Core Contents in science that elementary teachers are required to teach along with discipline-specific strategies and best-practices that can be implemented in the classroom. National Boards "Big Ideas", inquiry learning and implementation of math and science will be integrated into this course to provide beginning teachers the tools necessary to conduct dynamic science classes.
Course Fee: $20
Recent Term(s) Offered: None

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 2019; spring 2021

BIOL 516   Investigations/Biology   1-3 Hours (repeatable max of 3 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 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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 2020

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 2019

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 2020

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 2020

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 2019; spring 2020; spring 2021

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: spring 2019

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 2019; fall 2021

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 2019; fall 2019; fall 2021

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 2020; summer 2021

BIOL 535   Analytical Biochemistry   3 Hours
An overview of the science of modern analytical and instrumental techniques with emphasis on techniques relevant to measurements in biochemistry and biology.
Equivalent(s): CHEM 535
Recent Term(s) Offered: fall 2021

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: spring 2021

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 2019; winter 2020; winter 2021

BIOL 550   Introduction to Biological Applications in Homeland Security   3 Hours
An introductory course in biological principals for students in Homeland Security with a limited biology background. Topics include cell structure/function, cellular information and energy flow, immune function, cellular and population genetics.
Recent Term(s) Offered: None

BIOL 552   Biological Applications in Homeland Security I   3 Hours
An advanced study of biological phenomena relevant to Homeland Security Concerns. Focus on the recognized groups of pathogenic organisms to human and selected crops. Topics to be covered are types of pathogens, pathogenicity and virulence, control and detection, and dispersal mechanisms. Immune response to infectious disease will be covered in depth with special attention toward understanding the functionality of the antibody.
Prerequisite(s): BIOL 550 or permission of instructor
Corequisite(s): BIOL 553
Recent Term(s) Offered: None

BIOL 553   Laboratory: Biological Applications in Homeland Security I   1 Hour (repeatable max of 3 hrs)
The laboratory will provide students with knowledge in laboratory safety and manipulation, identification, and enumeration of microbial and viral cultures.
Prerequisite(s): BIOL 550
Corequisite(s): BIOL 552
Recent Term(s) Offered: None

BIOL 555   Laboratory: Biological Applications in Homeland Security II   1 Hour (repeatable max of 3 hrs)
The laboratory will provide students with knowledge in laboratory immunological methodologies and analytical methods in DNA forensics.
Prerequisite(s): (BIOL 552 and BIOL 553) or permission of instructor
Corequisite(s): EOHS 572
Recent Term(s) Offered: None

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: summer 2019; fall 2019; fall 2021

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: spring 2019; spring 2020; spring 2021

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 2020

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 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: fall 2020

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 2019; summer 2020

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 2020; spring 2021

BIOL 583   Advanced Biostatistics   3 Hours
Advanced analysis of biological data, including multivariate methods, multiple model inference, and Monte Carlo methods.
Prerequisite(s): BIOL 582
Recent Term(s) Offered: None

BIOL 598   Graduate Seminar   2 Hours
Oral presentation on selected topics in biology.
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

BIOL 600   Maintaining Matriculation   1-6 Hours (repeatable max of 6 hrs)
Continued enrollment for thesis completion.
Recent Term(s) Offered: fall 2019

BIOL 601   Internship in College Instruction   1 Hour (repeatable max of 2 hrs)
Designed for prospective teachers of biology. Staff direction in preparing and giving lectures. Includes analyses of presentation and techniques.
Recent Term(s) Offered: None

BIOL 675   Independent Advanced Topics/Biology   1-3 Hours
(repeatable max of 6 hrs)
Selected topics in Biology.
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; fall 2021

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: spring 2019; spring 2021

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: spring 2021

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
Course Fee: $60
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
Course Fee: $60
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: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021

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
Course Fee: $60
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: spring 2020; summer 2020

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
Course Fee: $60
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: spring 2020; summer 2020

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: spring 2020; summer 2020

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.
Prerequisite(s): COBA Course Eligibility with a score of 6
Course Fee: $60
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021

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.
Prerequisite(s): COBA Course Eligibility with a score of 6
Equivalent(s): ECON 502
Course Fee: $60
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; fall 2020; spring 2021; summer 2021; fall 2021

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
Course Fee: $60
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.
Prerequisite(s): COBA Course Eligibility with a score of 6
Equivalent(s): BDAN 513
Course Fee: $60
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021

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.
Prerequisite(s): COBA Course Eligibility with a score of 6
Course Fee: $60
Recent Term(s) Offered: fall 2019; fall 2020; spring 2021; fall 2021

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.
Prerequisite(s): COBA Course Eligibility with a score of 6
Course Fee: $60
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; fall 2020; spring 2021; summer 2021; fall 2021

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.
Prerequisite(s): COBA Course Eligibility with a score of 6
Course Fee: $60
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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)
Course Fee: $320
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
Course Fee: $60
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
Course Fee: $60
Recent Term(s) Offered: spring 2019; spring 2020

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
Course Fee: $60
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.
Course Fee: $60
Recent Term(s) Offered: fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

BA 546   Sustainable Business Operations   3 Hours
Exploration and development of definitions of sustainability and sustainable operations. The value chain perspective is taken to implement sustainability measures and different motivations for companies to engage in sustainable efforts.
Course Fee: $60
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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.
Course Fee: $60
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; fall 2021

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.
Course Fee: $60
Recent Term(s) Offered: fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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)
Course Fee: $60
Recent Term(s) Offered: summer 2019; summer 2020; summer 2021

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 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.
Prerequisite(s): COBA Course Eligibility with a score of 6
Course Fee: $60
Recent Term(s) Offered: spring 2019; spring 2020; summer 2020

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
Course Fee: $60
Recent Term(s) Offered: None

BA 573   International Business   3 Hours
Institutions, organizations, and procedures of international business. Emphasizes problems and decision-making techniques.
Course Fee: $320
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.
Prerequisite(s): COBA Course Eligibility with a score of 6
Recent Term(s) Offered: summer 2020; fall 2020; summer 2021; fall 2021

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.
Prerequisite(s): COBA Course Eligibility with a score of 6
Course Fee: $60
Recent Term(s) Offered: spring 2019; fall 2019; summer 2020

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.
Prerequisite(s): COBA Course Eligibility with a score of 6
Recent Term(s) Offered: spring 2021

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.
Prerequisite(s): COBA Course Eligibility with a score of 6
Recent Term(s) Offered: spring 2021

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.
Prerequisite(s): COBA Course Eligibility with a score of 6
Course Fee: $60
Recent Term(s) Offered: spring 2019; summer 2019; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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
Course Fee: $60
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019

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 2020; fall 2020; fall 2021

BA 751   Strategic Leadership   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: fall 2019; spring 2020; summer 2021

BA 752   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.
Restriction(s): Enrollment is limited to students in Educational Leadership (0010)
Recent Term(s) Offered: spring 2019; spring 2021

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: summer 2019

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.
Prerequisite(s): COBA Course Eligibility with a score of 6
Equivalent(s): BA 513
Recent Term(s) Offered: fall 2020; winter 2021; spring 2021; summer 2021; fall 2021

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: fall 2020; summer 2021; fall 2021

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 2021; fall 2021

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 2021; fall 2021

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 412G   Introduction to Physical Chemistry   5 Hours
Chemical principles involved in thermodynamics, kinetics, molecular structure, and other topics using biological examples. Specifically for secondary education students and those students not qualifying for the CHEM 450/452 sequence. Lecture, 3 hours; lab, 2 hours. Lab meets 4 + hours per week.
Restriction(s): Students cannot enroll who are in Chemistry (059)
Course Fee: $35
Recent Term(s) Offered: None

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 2019; spring 2020; spring 2021

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: None

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.
Course Fee: $35
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.
Course Fee: $35
Recent Term(s) Offered: spring 2019; spring 2021

CHEM 435G   Instrumental Analysis   3 Hours
Modern instrumental methods of analysis including spectroscopic, electroanalytical and chromatographic techniques.
Recent Term(s) Offered: fall 2019; fall 2020; fall 2021

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 2019; fall 2020; spring 2021; fall 2021

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
Course Fee: $35
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: spring 2020; spring 2021

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
Course Fee: $50
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 2019; spring 2020; spring 2021

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
Course Fee: $50
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 2019

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: None

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.
Course Fee: $50
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 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

CHEM 520   Advanced Inorganic Chemistry   3 Hours
Various aspects of coordination chemistry.
Recent Term(s) Offered: fall 2020

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 2020

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 2020; fall 2021

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 2019

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 2019; spring 2021

CHEM 550   Advanced Physical Chemistry   3 Hours
Covers thermodynamics, kinetics and molecular structure in preparation for graduate study or research.
Recent Term(s) Offered: spring 2019; fall 2020

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 2019; fall 2021

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 2019; fall 2021

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 570   Lecture Demonstration Techniques   3 Hours
The design and operation of meaningful lecture demonstrations in chemistry.
Recent Term(s) Offered: None

CHEM 572   Detection/Analysis of Chemical Agents and Explosives Lecture   3 Hours
An advanced study of the fundamental principles and applications for detection/analysis of chemical threats.
Prerequisite(s): CHEM 560
Corequisite(s): CHEM 573
Recent Term(s) Offered: None

CHEM 573   Detection/Analysis of Chemical Agents and Explosives Laboratory   1 Hour (repeatable max of 3 hrs)
An applications laboratory for detection/analysis of chemical threats.
Course Fee: $25
Recent Term(s) Offered: None

CHEM 580   Chemical Skills   3 Hours
Skills in the use of the library, glass working, and the laboratory. May be used to satisfy the research tool requirement.
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 2019; summer 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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: fall 2021

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 2019; spring 2021; fall 2021

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 2019; fall 2019; spring 2021; fall 2021

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; fall 2021

CHEM 599   Thesis Research/Writing   1-6 Hours (repeatable max of 6 hrs)
Thesis research and writing directed by faculty committee.
Course Fee: $50
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

CHEM 600   Maintaining Matriculation   1-6 Hours (repeatable max of 6 hrs)
Continued enrollment for thesis completion.
Recent Term(s) Offered: summer 2019; summer 2020; spring 2021

CHEM 799   Doctoral Research/Chemistry   1-6 Hours
No course description is available
Recent Term(s) Offered: None

Civil Engineering (CE)

CE 426G   Advanced Construction Materials   3 Hours
Continuation of CE 370. Topics focus on highway construction and include soil stabilization, bituminous materials and mixtures, general highway materials and construction of rigid and flexible pavements.
Prerequisite(s): CE 370 or permission of instructor
Recent Term(s) Offered: None

CE 440G   Masonry Design and Construction   3 Hours
Principles in the design and construction of masonry structures in accordance with the American Concrete Institute. Current and historical properties of brick, natural block, natural stone, mortar, grout, and reinforcement. Design and constructability of masonry columns, shear walls, and unreinforced and reinforced masonry structures.
Prerequisite(s): (CE 370 and CE 382) or permission of instructor
Corequisite(s): CE 441G
Recent Term(s) Offered: spring 2019

CE 441G   Masonry Construction Lab   1 Hour
The laboratory component of CE 440G Masonry Design and Construction. Projects include mortar testing, grout testing, strength testing of masonry block and clay brick, block wall testing, developing plan and specifications for the construction of masonry structures, and inspection techniques of masonry systems.
Corequisite(s): CE 440G
Recent Term(s) Offered: None

CE 444G   Bridge Engineering   3 Hours
A practice-based introduction to bridge engineering, exploring the design, behavior, maintenance and rehabilitation of bridges. Bridge loads, reinforced and prestressed concrete slab and T-beam bridges, steel beam bridges, composite beam bridges, bridge evaluations and ratings, and upgrade methodologies are covered based on AASHTO code requirements using the LRFD design methodology. Abutments, piers, joints, bearings, and connections are also included. Nontechnical topics such as public perception of the nation's infrastructure with respect to bridges will be discussed.
Prerequisite(s): CE 384 or CE 482 or permission of instructor
Recent Term(s) Offered: None

CE 462G   Hydraulic Engineering Systems   3 Hours
Methods of analysis for hydrostatics, pipe flow, open channel flow including uniform and gradually varied flow, culvert and channel hydraulic design, dimensional analysis and channel modeling for flood mapping.
Prerequisite(s): CE 461 or permission of instructor
Recent Term(s) Offered: None

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 2019; fall 2020; fall 2021

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 2019; spring 2020

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: fall 2019; fall 2020; fall 2021

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 2020; fall 2021

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 2019; spring 2021

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: spring 2020

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 2019; fall 2021

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: spring 2019; spring 2021

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: fall 2019; summer 2021

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: fall 2020

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 2020

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: fall 2021

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 2020

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: spring 2019; fall 2019

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 2020

COMM 578   Seminar in Interpersonal Communication   3 Hours
Examination of professional literature and basic research in interpersonal communication.
Recent Term(s) Offered: None

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 2019; summer 2020; summer 2021

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: spring 2020

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: summer 2019; fall 2019; spring 2020; summer 2020; spring 2021

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: spring 2020; spring 2021

COMM 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 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

COMM 600   Maintaining Matriculation   1-6 Hours (repeatable max of 6 hrs)
Continued enrollment for thesis completion.
Recent Term(s) Offered: fall 2021

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 Information Sys (CIS)

CIS 516   Business Computer Applications   3 Hours
No course description is available
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 2019; fall 2020; fall 2021

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 2019

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 2019; spring 2020; spring 2021

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: spring 2019

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 2020

CS 460G   Software Engineering II   3 Hours
Examination of critical theoretical problems underlying software engineering, including the rigorous treatment of software metrics, cost-estimating, object-oriented design, real time systems, etc.
Prerequisite(s): CS 360 or equivalent
Recent Term(s) Offered: None

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 2019; fall 2019; fall 2020

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.
Restriction(s): Enrollment is limited to students in Computer Science (117)
Recent Term(s) Offered: fall 2019; fall 2020

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 2021

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: spring 2019; spring 2020; spring 2021; fall 2021

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: fall 2019; fall 2020; fall 2021

CS 550   Advanced Topics in Computer Networks   3 Hours (repeatable max of 6 hrs)
Advanced topics in computer networks. Selected topics may include embedded systems, mobile computing, or other current development in computer networks. Note: Students will not get credit for CS 450G once credit is received for CS 550.
Prerequisite(s): CS 450G or equivalent
Recent Term(s) Offered: None

CS 555   Data Science   3 Hours
An introduction to concepts and methods in the emerging field of data science. Agorithms and tools to support problem-focused data-analytic thinking.
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

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: spring 2019; spring 2020; spring 2021

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: spring 2020

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 2019; spring 2021

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: None

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 2019

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: summer 2019; spring 2020; fall 2020

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 2019; summer 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

CS 600   Maintain Matriculation   1-6 Hours (repeatable max of 6 hrs)
Continued enrollment for thesis completion.
Recent Term(s) Offered: spring 2019; fall 2019; spring 2021; fall 2021

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 2019; summer 2020; summer 2021

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 withinn school macro and micro systems.
Recent Term(s) Offered: fall 2019; fall 2020; fall 2021

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 2019; spring 2020; spring 2021

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: fall 2019; spring 2021

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: spring 2019; spring 2021

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 2020

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 2019; spring 2020; spring 2021

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 2019; spring 2020; spring 2021

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 2019; summer 2020; fall 2020; fall 2021

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 2019; summer 2020; summer 2021

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 2019; fall 2019; spring 2020; spring 2021

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 2019; spring 2020; spring 2021

CNS 559   Techniques of Counseling   3 Hours
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 2019; fall 2020; fall 2021

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 2019; fall 2020; fall 2021

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 2019; spring 2020; spring 2021

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: fall 2019; fall 2020; fall 2021

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: winter 2019; winter 2020; winter 2021

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 2019; fall 2020; fall 2021

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 2019; summer 2020; summer 2021

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: spring 2019; summer 2019; summer 2020; summer 2021

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 2019; spring 2020; spring 2021

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: spring 2019; spring 2020

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 2019; winter 2020; winter 2021

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: spring 2019; spring 2020; fall 2020

CNS 583   Couples Counseling   3 Hours
Knowledge, skills, and techniques of couples counseling.
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

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 2019; spring 2020; spring 2021

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: fall 2019; spring 2021

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 2019; fall 2020; fall 2021

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 2019; spring 2020; spring 2021

CNS 590   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.
Course Fee: $45
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

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)
Course Fee: $45
Recent Term(s) Offered: summer 2019; summer 2020; summer 2021

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 2019; summer 2020; summer 2021

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 2019; summer 2020; summer 2021

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 2019; fall 2020; fall 2021

CNS 595   Testing 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.
Course Fee: $5
Recent Term(s) Offered: winter 2019; spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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)
Course Fee: $5
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; fall 2021

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 2019; fall 2020; fall 2021

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 2019; spring 2020; spring 2021

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 2019; fall 2020; fall 2021

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 2019; fall 2020; fall 2021

CNS 606   Family Counseling Techniques   3 Hours
Supervised skills development in couples and family counseling. Includes assessment, evidence-based treatments, advanced clinical skills, and evaluating outcomes.
Prerequisite(s): CNS 588 and CNS 559
Restriction(s): Enrollment is limited to students in Counseling (043)
Recent Term(s) Offered: None

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 2019; spring 2020; spring 2021

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, cognitivie, 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 intereventions 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 Addictions   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.
Prerequisite(s): permission of instructor
Equivalent(s): PSY 637, SWRK 637
Recent Term(s) Offered: fall 2019; fall 2020; fall 2021

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.
Prerequisite(s): CNS 637 (may be taken concurrently)
Equivalent(s): PSY 647, SWRK 647
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

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: spring 2019; summer 2019; summer 2020

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: fall 2019; summer 2020; summer 2021

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 2019; summer 2020; summer 2021

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: summer 2019; spring 2020; spring 2021; fall 2021

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 2019; fall 2020; fall 2021

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 2019; summer 2020; fall 2020; summer 2021

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 treatmnet options and preventative measures will also be examined.
Recent Term(s) Offered: winter 2019; summer 2019; winter 2020; summer 2020; winter 2021; summer 2021

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: fall 2019; spring 2021; summer 2021; fall 2021

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: fall 2019; fall 2020

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: spring 2019; spring 2020

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: summer 2020

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: summer 2019

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: spring 2021

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: spring 2019; fall 2020

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: fall 2019

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: summer 2019

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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 2020; fall 2021

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 2021

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)
Recent Term(s) Offered: spring 2021

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 2019; summer 2020; summer 2021

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 2019; fall 2020; fall 2021

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: summer 2019; fall 2020; fall 2021

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: summer 2019; fall 2020; fall 2021

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: fall 2019; fall 2020

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 2019; spring 2020; spring 2021

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 2019; summer 2020; summer 2021

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 2019; summer 2020; summer 2021

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 2019; summer 2020; summer 2021

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 2019; summer 2020; summer 2021

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 2019; summer 2020; fall 2021

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 2019; fall 2020; fall 2021

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 2019; summer 2020; fall 2021

DPT 728   Clinical Exercise Physiology   2 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 2019; fall 2020; fall 2021

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: spring 2019; spring 2020; spring 2021; summer 2021

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 2019; fall 2020; fall 2021

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 2019; spring 2020; spring 2021

DPT 739   Foundations for Physical Rehabilitation   3 Hours
This course will cover foundational topics in rehabilitation for the musculoskeletal and neuromuscular systems to include components of neurophysiology, surgical procedures, and principles of therapeutic exercise. Note: Open only to DPT students in good standing
Restriction(s): Enrollment is limited to students in Physical Therapy (0013)
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

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 2019; fall 2020; fall 2021

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 2019; spring 2020; spring 2021

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 2019; spring 2020; spring 2021

DPT 746   Orthopaedic Assessment   4 Hours
Evaluation and assessment of upper and lower extremity orthopaedic dysfunctions.
Prerequisite(s): DPT 726
Restriction(s): Enrollment is limited to students in Physical Therapy (0013)
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

DPT 747   Women's Health in Physical Therapy   2 Hours
Discussion of physical therapy management of musculoskeletal, integumentary, cardiopulmonary, and genitourinary pathologies common to women.
Restriction(s): Enrollment is limited to students in Physical Therapy (0013)
Recent Term(s) Offered: fall 2019; summer 2020; fall 2021

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 2019; spring 2020; spring 2021

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 2019; fall 2020; summer 2021

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 2019; summer 2021; fall 2021

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 2019; fall 2020; summer 2021

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 2019; spring 2020; fall 2020; fall 2021

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 2019; spring 2020; summer 2020; spring 2021

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 2019; spring 2020; spring 2021

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 2019; summer 2020; summer 2021

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 2019; spring 2020; spring 2021

DPT 770   Orthopaedic Rehabilitation   4 Hours
Manual therapy, exercise techniques, intervention, and progressions for individuals with orthopaedic pathologies and dysfunctions.
Prerequisite(s): DPT 746
Restriction(s): Enrollment is limited to students in Physical Therapy (0013)
Recent Term(s) Offered: fall 2019; fall 2020; fall 2021

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 2019; fall 2020; fall 2021

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 2019; summer 2020; summer 2021

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 2019; spring 2020; spring 2021

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 2019; summer 2020; fall 2021

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: spring 2019; spring 2020; spring 2021; fall 2021

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 2019; spring 2020; spring 2021

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 2019; summer 2020; fall 2021

DPT 782   Research in Physical Therapy II   3 Hours
Further development of the research topic, critical review of clinically relevant research literature, IRB submission, and the initiation of data collection.
Prerequisite(s): DPT 781
Restriction(s): Enrollment is limited to students in Physical Therapy (0013)
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

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 2019; summer 2020; summer 2021

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 2019; spring 2020; spring 2021

DPT 785   Research in Physical Therapy V   1 Hour
Continuation of the Research track in Physical Therapy, with emphasis on research project completion and preliminary presentation to research advisor.
Prerequisite(s): DPT 784
Restriction(s): Enrollment is limited to students in Physical Therapy (0013)
Recent Term(s) Offered: fall 2019; spring 2021; fall 2021

DPT 790   Physical Therapy Seminar   1 Hour
Completion of research project with dissemination of results to faculty and clinicians. Completion of summative examinations to evaluate mastery of content areas.
Prerequisite(s): DPT 785
Restriction(s): Enrollment is limited to students in Physical Therapy (0013)
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

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 2019

ECON 410G   Seminar in Economics   1-3 Hours (repeatable max of 9 hrs)
Special topics in economics of current interest.
Recent Term(s) Offered: summer 2019

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: fall 2019

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 2019; summer 2020; fall 2020; spring 2021; fall 2021

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: spring 2019; fall 2019; fall 2020; fall 2021

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 2020

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 2019

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 2019; spring 2020; spring 2021

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: fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

ECON 475G   Urban and Regional Economics   3 Hours
Considers the economic relationships between economic and political units in the U.S. Emphasis is on applied analysis dealing with characteristics of a region, the urban center, and employment.
Recent Term(s) Offered: None

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: None

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 Microeconomic Theory   3 Hours
Fundamental concepts useful for analysis of firm, public policy, and individual decisions. Topics include demand and supply, revenue and costs, pricing, and information and uncertainty.
Prerequisite(s): ECON 501
Equivalent(s): BA 511
Recent Term(s) Offered: fall 2019; fall 2020; fall 2021

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 2019; fall 2020; fall 2021

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: summer 2019

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 2019; fall 2020; fall 2021

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 2019; spring 2020; spring 2021

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 532   Topics in Microeconomics   3 Hours
Discussion and application of current and developing topics in microeconomics. Specific topics vary.
Prerequisite(s): (ECON 502 and ECON 506) or permission of instructor
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 2019; spring 2020; spring 2021

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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 2019; spring 2020; spring 2021; fall 2021

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: fall 2019; fall 2020; spring 2021; summer 2021

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
Methods and models of positive behavior management in group settings for school-aged learners.
Recent Term(s) Offered: fall 2021

EDU 503   Professional Development Experience   3-6 Hours
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: None

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 associated with geography core content for the P-12 classroom.
Equivalent(s): GEOS 507
Recent Term(s) Offered: summer 2019; fall 2019

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.
Corequisite(s): EDU 521
Restriction(s): Enrollment is limited to students in Special Ed Initial Cert: LBD (0456) , Middle Grades Ed: Initial Cert (0458) , IECE, Birth-Age 5, Initial Cer (0460) or Teacher Educ: Initial Cert (0495)
Recent Term(s) Offered: fall 2019; fall 2020; fall 2021

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: LBD (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.
Recent Term(s) Offered: winter 2019; spring 2019; winter 2020; spring 2020; spring 2021

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: None

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.
Restriction(s): Enrollment is limited to students in Special Ed Initial Cert: LBD (0456) , Middle Grades Ed: Initial Cert (0458) , IECE, Birth-Age 5, Initial Cer (0460) or Teacher Educ: Initial Cert (0495)
Recent Term(s) Offered: winter 2019; spring 2019; winter 2020; winter 2021

EDU 580   Advanced Special Topics   3-6 Hours
Advanced special topics course customized to support program participant goals.
Recent Term(s) Offered: None

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: LBD (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 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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: spring 2019; fall 2019

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 2019; spring 2020

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: spring 2019; fall 2019; spring 2020

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: spring 2019

EDU 600   Maintaining Matriculation   1-6 Hours
Maintaining matriculation.
Prerequisite(s): EDU 599
Recent Term(s) Offered: spring 2019; fall 2020; summer 2021

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: None

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: fall 2019

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: spring 2019

EDU 699   Specialist Project   1-6 Hours (repeatable max of 6 hrs)
Independent research related to a topic in education.
Recent Term(s) Offered: fall 2019; spring 2020; spring 2021; summer 2021; fall 2021

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 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: summer 2019; summer 2020; summer 2021

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: spring 2019; summer 2019; winter 2020

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   Seminar on Leadership: Auxiliary Programs in Education   3 Hours (repeatable max of 9 hrs)
Principles and practices of leadership in the development and operation of auxiliary educational programs including special education, counseling, extracurricular programs and vocational education.
Recent Term(s) Offered: summer 2019; summer 2021; fall 2021

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
Individual problems and self-assessments in educational administration and supervision.
Prerequisite(s): permission of instructor
Corequisite(s): EDAD 585
Recent Term(s) Offered: spring 2020

EDAD 598   Field-Based Experience in Educational Administration   3-6 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 2019; fall 2020; fall 2021

EDAD 602   Intro 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.
Prerequisite(s): permission of instructor
Corequisite(s): EDAD 603
Restriction(s): Enrollment is limited to students in School Administration - Rank I (121) or Certification Only - Ed Ldrshp (131)
Recent Term(s) Offered: fall 2019; summer 2020; fall 2020; summer 2021; fall 2021

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): permission of instructor
Corequisite(s): EDAD 602
Recent Term(s) Offered: fall 2019; summer 2020; fall 2020; summer 2021; fall 2021

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 with a minimum grade of B and EDAD 603 with a minimum grade of B) or permission of instructor
Corequisite(s): EDAD 605, EDAD 610
Restriction(s): Enrollment is limited to students in School Administration - Rank I (121) or Certification Only - Ed Ldrshp (131)
Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021

EDAD 605   Leading a Community of Leaders   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 with a minimum grade of B and EDAD 603 with a minimum grade of B) or permission of instructor
Corequisite(s): EDAD 610, EDAD 604
Restriction(s): Enrollment is limited to students in School Administration - Rank I (121) or Certification Only - Ed Ldrshp (131)
Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021

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 with a minimum grade of B and EDAD 603 with a minimum grade of B and EDAD 604 with a minimum grade of B and EDAD 605 (may be taken concurrently) with a minimum grade of B) or permission of instructor
Corequisite(s): EDAD 610, EDAD 607
Restriction(s): Enrollment is limited to students in School Administration - Rank I (121) or Certification Only - Ed Ldrshp (131)
Recent Term(s) Offered: summer 2020; spring 2021; summer 2021

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 with a minimum grade of B and EDAD 603 with a minimum grade of B and EDAD 604 (may be taken concurrently) with a minimum grade of B and EDAD 605 with a minimum grade of B) or permission of instructor
Corequisite(s): EDAD 610, EDAD 606
Restriction(s): Enrollment is limited to students in School Administration - Rank I (121) or Certification Only - Ed Ldrshp (131)
Recent Term(s) Offered: summer 2020; spring 2021; summer 2021

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 with a minimum grade of B and EDAD 603 with a minimum grade of B and EDAD 604 with a minimum grade of B and EDAD 605 with a minimum grade of B and EDAD 606 with a minimum grade of B and EDAD 607 with a minimum grade of B) or permission of instructor
Corequisite(s): EDAD 610, EDAD 609
Restriction(s): Enrollment is limited to students in School Administration - Rank I (121) or Certification Only - Ed Ldrshp (131)
Recent Term(s) Offered: fall 2020; summer 2021; fall 2021

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 with a minimum grade of B and EDAD 603 with a minimum grade of B and EDAD 604 with a minimum grade of B and EDAD 605 with a minimum grade of B and EDAD 606 with a minimum grade of B and EDAD 607 with a minimum grade of B) or permission of instructor
Corequisite(s): EDAD 610, EDAD 608
Restriction(s): Enrollment is limited to students in School Administration - Rank I (121) or Certification Only - Ed Ldrshp (131)
Recent Term(s) Offered: fall 2020; summer 2021; fall 2021

EDAD 610   Clinical Experiences in the Principalship   1 Hour (repeatable max of 6 hrs)
Clinical experiences that build the capacity of aspiring school principals to solve problems in a variety of real-world contexts.
Prerequisite(s): (EDAD 602 with a minimum grade of B and EDAD 603 with a minimum grade of B)
Corequisite(s): EDAD 604, EDAD 609, EDAD 605, EDAD 606, EDAD 607, EDAD 608
Restriction(s): Enrollment is limited to students in School Administration - Rank I (121) or Certification Only - Ed Ldrshp (131)
Recent Term(s) Offered: fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: fall 2020; spring 2021

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: spring 2021

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 2019; fall 2020; fall 2021

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: spring 2019

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: spring 2019

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: spring 2019; fall 2019

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: spring 2019; fall 2019

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 2019; spring 2020

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 2019; summer 2020; summer 2021

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: spring 2019; summer 2019

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: winter 2019; summer 2019; fall 2019

EDAD 686   Principles of Supervision   3 Hours
The instructional aspect of school administration; organization, problems, principles, and techniques of improving in-service training for teachers.
Recent Term(s) Offered: winter 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: fall 2019; summer 2020

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: fall 2019

EDAD 700   Maintaining Matriculation   1-6 Hours (repeatable max of 6 hrs)
Continued enrollment for specialist project completion.
Recent Term(s) Offered: fall 2019; fall 2020

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: fall 2020; summer 2021

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.
Restriction(s): Enrollment is limited to students in Educational Leadership (0010)
Recent Term(s) Offered: summer 2020; fall 2021

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 2019; spring 2019; summer 2019; fall 2019; winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021

EDFN 501   Educational Statistics   3 Hours
Statistical methods including descriptive statistics, sampling, probability, and correlation.
Recent Term(s) Offered: winter 2019; spring 2019; summer 2019; fall 2019; winter 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021

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: summer 2019; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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 2019; summer 2020; fall 2021

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: spring 2019; spring 2020; spring 2021

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: fall 2019

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 2020

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: spring 2019; summer 2019; fall 2019; fall 2020; fall 2021

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: spring 2020

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: spring 2019; summer 2019; fall 2019; spring 2020; fall 2020; spring 2021; summer 2021; fall 2021

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 2019; fall 2019; spring 2020; spring 2021; fall 2021

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: summer 2019; fall 2019; summer 2020; fall 2020; summer 2021; fall 2021

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: spring 2019; fall 2019; spring 2020; fall 2020

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 2019; summer 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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 2019; fall 2019; summer 2020; summer 2021

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: spring 2019; fall 2019; spring 2020; fall 2020; spring 2021

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: None

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 2019; summer 2019; fall 2019; winter 2020; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021

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: spring 2019; summer 2019; fall 2019; spring 2020

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: spring 2019; spring 2020

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: winter 2019; spring 2019; summer 2019; fall 2019; winter 2020; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: winter 2019; spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: fall 2021

ELED 505   Mat/Meth/Math/El Teach   3 Hours
No course description is available
Recent Term(s) Offered: None

ELED 506   Seminar in Elementary School Science   3 Hours
Advanced methods and materials for teaching science in the elementary school.
Recent Term(s) Offered: None

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: fall 2021

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: None

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: None

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: fall 2019; fall 2020; fall 2021

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 2019; spring 2020; spring 2021

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 2019; summer 2020; summer 2021

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: fall 2019

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: fall 2019; winter 2020; summer 2020; winter 2021; fall 2021

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.

Prerequisite(s): EMDS 500 with a minimum grade of B or permission of instructor

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021

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.

Prerequisite(s): EMDS 500 with a minimum grade of B or permission of instructor

Recent Term(s) Offered: spring 2020; spring 2021; fall 2021

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.

Prerequisite(s): EMDS 502 with a minimum grade of B or permission of instructor

Recent Term(s) Offered: spring 2020; spring 2021

EMDS 504   Trends in Disaster Preparedness and Management   3 Hours

Guided discussions with emergency management professionals focused on individual and group research into the dynamic elements that comprise emergency management in today's world.

Prerequisite(s): EMDS 502 with a minimum grade of B or permission of instructor

Recent Term(s) Offered: summer 2021

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: None

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: None

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: None

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: None

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 2021

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: None

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 2021

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: None

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: None

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: None

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 2021

EGMT 599   Thesis Research and Writing   1-6 Hours (repeatable max of 6 hrs)
Thesis research and writing directed by faculty committee.
Equivalent(s): AMS 599
Recent Term(s) Offered: fall 2021

EGMT 600   Maintaining Matriculation   1-6 Hours (repeatable max of 6 hrs)
Continued enrollment for thesis completion.
Recent Term(s) Offered: fall 2021

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: None

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: None

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: None

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 2021

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: None

English (ENG)

ENG 401G   Advanced Composition   3 Hours
Study and practice in various forms of writing and rhetorical principles.
Recent Term(s) Offered: summer 2019; summer 2020; fall 2020; summer 2021

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 2019; spring 2020; spring 2021

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 2019; spring 2020; spring 2021

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 2019; fall 2020; fall 2021

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 2019; spring 2020; fall 2020

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 2019; spring 2020; spring 2021

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 2019; spring 2020; spring 2021

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.
Prerequisite(s): ENG 300
Recent Term(s) Offered: fall 2019; fall 2021

ENG 430G   19th Century American Literature   3 Hours
Seminar in 19th-century American literature; course topics will vary.
Recent Term(s) Offered: fall 2019

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: spring 2020

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: spring 2019; spring 2020; spring 2021

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: None

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 2019; spring 2020

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 2019; spring 2020

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 2019; fall 2020; fall 2021

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 2019; spring 2020; spring 2021

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 2021

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: fall 2019; fall 2021

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: spring 2020

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: spring 2021

ENG 490G   American Novel   3 Hours
Study of the American novel as a genre. Topic will vary by semester.
Recent Term(s) Offered: spring 2019; spring 2021

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: fall 2020

ENG 495G   Southern Literature   3 Hours
Selected texts by writers from and about the United States South.
Recent Term(s) Offered: spring 2019; spring 2021

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: fall 2019; summer 2021

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: fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

ENG 502   Graduate Directed Writing   3 Hours
Provides a graduate-level directed writing course for students with varied writing interests.
Recent Term(s) Offered: summer 2019

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: fall 2020

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 2019; fall 2020; fall 2021

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 2019; fall 2020; fall 2021

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 2019; fall 2020; fall 2021

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: spring 2019; spring 2020; spring 2021

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 2019; spring 2020; spring 2021

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: summer 2020

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: summer 2019; fall 2019; summer 2020; summer 2021; fall 2021

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: spring 2019; spring 2020; spring 2021

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 2019; fall 2020; fall 2021

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 2019; fall 2021

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 2019; spring 2021

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 2019; spring 2020; spring 2021

ENG 566   Teaching and Testing ESL Grammar   3 Hours
Investigation of ESL learners' grammatical difficulties, approaches to solving them, and ways to test their grammatical development. 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.
Prerequisite(s): ENG 407G
Recent Term(s) Offered: fall 2019; fall 2021

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: spring 2020

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: summer 2019; winter 2020; fall 2021

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 2020; spring 2021; summer 2021

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 2019; summer 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

ENG 600   Maintaining Matriculation   1-6 Hours (repeatable max of 6 hrs)
Continued enrollment for thesis completion.
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019; spring 2020; fall 2020; summer 2021

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: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; fall 2021

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: summer 2019; fall 2019; spring 2020; summer 2020; spring 2021; summer 2021

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 2020

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 2019; summer 2019; fall 2019; spring 2020; spring 2021; fall 2021

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 2019; spring 2020; summer 2020; fall 2020; spring 2021; fall 2021

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 2019; spring 2020; spring 2021

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: spring 2020; fall 2021

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
Course Fee: $50
Recent Term(s) Offered: fall 2019; spring 2021

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.
Prerequisite(s): PH 520 and PH 582
Recent Term(s) Offered: None

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 2019; spring 2020; spring 2021

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: fall 2019; fall 2020

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

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: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: None

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: summer 2021; fall 2021

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: None

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 2019; fall 2020; fall 2021

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: summer 2019; summer 2020; spring 2021

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.
Prerequisite(s): permission of instructor
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.
Prerequisite(s): permission of instructor
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.
Prerequisite(s): permission of instructor
Recent Term(s) Offered: fall 2019; fall 2020; fall 2021

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 2019; fall 2020; fall 2021

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 2019; spring 2020; spring 2021

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 2019; spring 2020; spring 2021

FACS 580   Internship   3 Hours (repeatable max of 6 hrs)
Field experience in a family and consumer sciences setting appropriate for the program the candidate is completing.
Prerequisite(s): permission of instructor
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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 2019; winter 2020; spring 2020; fall 2020; winter 2021; spring 2021

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 438G   Corporate Funds Management   3 Hours
Advanced level exposure to financing and dividend policy, short-, intermediate-, and long-term financing, and financial statement analysis. Deals with the current theory and practice of corporate finance in these areas.
Prerequisite(s): FIN 330 with a minimum grade of C and ECON 307 (may be taken concurrently)
Recent Term(s) Offered: 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 2021

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 2020

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 2019; spring 2020; spring 2021

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: spring 2020

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: fall 2020

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 2019; fall 2021

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 2019; fall 2021

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 2019; spring 2021

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: None

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 2019; fall 2020; fall 2021

FLK 571   Folk Narrative   3 Hours
A survey of narrative genres of folklore and relevant scholarship.
Recent Term(s) Offered: spring 2020

FLK 572   Public Folklore   3 Hours
History, methods, and issues of public folklore.
Recent Term(s) Offered: fall 2019; fall 2021

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 2019; spring 2021

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 2019; spring 2020; spring 2021

FLK 578   Folklore Fieldwork   3 Hours
Examination of methodological issues and techniques in folklore fieldwork.
Recent Term(s) Offered: fall 2019; fall 2020; fall 2021

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 2019; summer 2020; fall 2020

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: None

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: winter 2019; fall 2019

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 2020; spring 2021; fall 2021

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: spring 2019; summer 2019; spring 2020; summer 2020; fall 2020; summer 2021

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: None

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: fall 2019; spring 2020; fall 2020; spring 2021

FLK 600   Maintaining Matriculation   1-6 Hours (repeatable max of 6 hrs)
Continued enrollment for thesis completion.
Recent Term(s) Offered: None

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: summer 2020

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: winter 2020; spring 2020

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: fall 2019; fall 2020

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: spring 2019; spring 2020; spring 2021

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: summer 2019

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: winter 2020; fall 2020; spring 2021

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

Geography (GEOG)

GEOG 451G   Geography of Kentucky   3 Hours
Regional study assessing the natural and human resources with special attention to current ecological, social and economic problems. Field experience required.
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 2019; fall 2020; fall 2021

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
An introduction to research techniques and methodology appropriate to the thesis project.
Prerequisite(s): GEOS 500 (may be taken concurrently)
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019; fall 2020

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.
Prerequisite(s): permission of instructor
Recent Term(s) Offered: None

GEOS 506   Geoscience Environmental Seminar   1 Hour
Designed for future environmental practitioners, this course will provide real world examples of environmental science jobs and research projects. The course will impart a broad understanding of environmental science from a multidisciplinary perspective.
Recent Term(s) Offered: None

GEOS 507   Geography 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 2019; fall 2019

GEOS 510   Geoscience Research Topics   1-3 Hours (repeatable max of 6 hrs)
Supervised independent research in applied or basic geoscience topics.
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2021

GEOS 511   The Dynamic Earth   3 Hours
This graduate course is specially designed for teachers of natural and earth science.
Recent Term(s) Offered: None

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.
Prerequisite(s): GISC 317 or permission of instructor
Course Fee: $50
Recent Term(s) Offered: None

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.
Prerequisite(s): (GEOS 575 and GEOS 576) or permission of instructor
Course Fee: $50
Recent Term(s) Offered: spring 2019

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.
Prerequisite(s): permission of instructor
Course Fee: $50
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

GEOS 521   Seminar in Geomorphology   3 Hours
A review of topics in advanced geomorphology, field and laboratory procedures, and an introduction to research in landform analysis. Research in instructor approved geomorphic topics. Note: In addition to prerequisite course, 3 hours in upper level physical geography or geology required.
Prerequisite(s): GEOG 420 or equivalent
Recent Term(s) Offered: fall 2019; fall 2021

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.
Course Fee: $50
Recent Term(s) Offered: fall 2020; fall 2021

GEOS 524   Meteorology Science Teachers   3 Hours
Basic weather course with emphasis on new developments and applications in the classroom.
Recent Term(s) Offered: None

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): GEOG 425 or 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.
Prerequisite(s): permission of instructor
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.
Prerequisite(s): GEOG 430 or permission of instructor
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): (METR 324 or equivalent) and (MATH 237 or equivalent)
Recent Term(s) Offered: summer 2021

GEOS 534   Historic Preservation Planning   3 Hours
Field application of historic preservation method and techniques.
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: summer 2021

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 540   Advanced Regional Geography   3 Hours
The regional method as a basic approach to geographic research via one or more major regional units. Note: Two courses in regional geography required.
Prerequisite(s): permission of instructor
Recent Term(s) Offered: None

GEOS 543   Environmental Science Concepts   3 Hours
Provides students a fundamental understanding of the inter-relationship between the science and technical disciplines that contribute to our understanding of the environment as a whole. Students are exposed to the unique challenges facing environmental scientists, both from a practitioner and researcher perspective. Students learn to utilize their discipline-specific background in conjunction with an understanding of the roles and impacts of other disciplines to solve environmental problems.
Recent Term(s) Offered: spring 2019; spring 2020; fall 2021

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.
Prerequisite(s): GEOG 280 or equivalent
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.
Prerequisite(s): CHEM 120 and CHEM 121
Recent Term(s) Offered: spring 2019

GEOS 550   Advanced Studies in Economic Geography   3 Hours
An examination of the major theories in economic geography.
Prerequisite(s): GEOG 350 and permission of instructor
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.
Prerequisite(s): GEOG 280 or permission of instructor
Recent Term(s) Offered: fall 2020

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.
Prerequisite(s): (GEOG 310 with a minimum grade of C or GEOL 310 with a minimum grade of C) and (MATH 136 with a minimum grade of C or equivalent)
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.
Prerequisite(s): (GEOL 111 and GEOL 113) or permission of instructor
Recent Term(s) Offered: fall 2019

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.
Prerequisite(s): GEOG 310 or GEOL 310 or permission of instructor
Corequisite(s): MATH 136
Recent Term(s) Offered: None

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: spring 2019

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.
Prerequisite(s): GEOL 111
Equivalent(s): PHYS 465G
Recent Term(s) Offered: None

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.
Prerequisite(s): GEOS 500 (may be taken concurrently) or permission of instructor
Recent Term(s) Offered: spring 2020

GEOS 570   Tectonics   3 Hours
Active and past global tectonic activities and environments, recent advances in the field of tectonics, mantle plumes and processes, current plate motions, implication of tectonics for environmental changes and natural hazards, natural resources, large igneous provinces (LIPs), rifted continental margins, oceanic ridges, geothermal energy, subduction and transform zones, past and present orogeny, North American tectonics, sedimentary basins, tectonic geomorphology, thermochronology and interplay between climate-tectonics and landforms.
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 2019

GEOS 575   GIS Analysis and Modeling   3 Hours
Develops expertise with a broad range of spatial analysis functions applied with a cartographic modeling framework.
Prerequisite(s): GISC 317 or permission of instructor
Recent Term(s) Offered: fall 2019; fall 2020

GEOS 576   GIS Programming   3 Hours
Planning and implementing GIS within an organization. Designing and developing GIS applications to support spatial decision making.
Prerequisite(s): GEOS 575 and CS 146
Recent Term(s) Offered: spring 2019; spring 2021

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.
Prerequisite(s): GEOS 575 and GEOS 576
Recent Term(s) Offered: None

GEOS 580   Seminar Urban Geography   3 Hours
Analysis of problems faced by global cities.
Recent Term(s) Offered: fall 2020; fall 2021

GEOS 584   Applied Environmental Planning   3 Hours
Analysis and application of advanced topics and results of recent research in environmental and general planning.
Recent Term(s) Offered: spring 2021

GEOS 585   Advanced Studies in Population Geography   3 Hours
Seminar approach to regional and world problems in human population.
Prerequisite(s): permission of instructor
Recent Term(s) Offered: None

GEOS 587   Environmental Law, Regulations, and Policy   3 Hours
An introduction to major environmental legislation for air, water, toxic and hazardous pollutants; and related legislative, administrative, and judicial developments. The course provides a broad overview of legal practices and focuses on specific regulatory programs.
Recent Term(s) Offered: spring 2020

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
Equivalent(s): AGRI 590
Recent Term(s) Offered: None

GEOS 595   Geoscience Practicum   3-6 Hours (repeatable max of 6 hrs)
Supervised geoscience practicum experience in a cooperating government or private agency, business, or community.
Prerequisite(s): GEOS 500 and GEOS 502 and GEOS 520
Recent Term(s) Offered: spring 2019; spring 2021; fall 2021

GEOS 599   Thesis Writing and Research   1-6 Hours (repeatable max of 6 hrs)
Thesis research and writing directed by faculty committee.
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

GEOS 600   Maintain Matriculation   1-6 Hours (repeatable max of 6 hrs)
Continued enrollment for thesis completion.
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019; spring 2020; fall 2020; spring 2021; summer 2021; fall 2021

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 2019; spring 2020; fall 2020; spring 2021

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: spring 2019; spring 2020

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: fall 2019; fall 2020; winter 2021; fall 2021

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 2019; spring 2020; spring 2021

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: spring 2019; summer 2019; spring 2020; summer 2020; spring 2021; summer 2021

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 2019; summer 2020; summer 2021

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 2019; spring 2020; spring 2021

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: spring 2019; spring 2021; summer 2021

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: spring 2019; fall 2020; summer 2021

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: winter 2019; summer 2019; winter 2020

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 2019; fall 2020; fall 2021

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 2019; fall 2020; fall 2021

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 2019; spring 2020; spring 2021

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: spring 2019; spring 2020; spring 2021

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 2019; fall 2019; spring 2020; fall 2020; fall 2021

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: winter 2019; winter 2021

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 2019; fall 2019; fall 2020; fall 2021

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: summer 2019

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 2019; winter 2020; spring 2020

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 2020; spring 2021

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 2019; fall 2019; summer 2020; summer 2021

History (HIST)

HIST 404G   History of Ancient Egypt   3 Hours
A study of ancient Egyptian civilization with attention to the rediscovery
of ancient Egypt by modern scholars and the development of the
disciplines of Egyptology.
Recent Term(s) Offered: None

HIST 407G   The Crusades: East Meets West   3 Hours
A study of the idea of holy war and political, social, and cultural
interaction in the Mediterranean World from 1000 to 1300.
Recent Term(s) Offered: None

HIST 419G   Tudor-Stuart England   3 Hours
A study of the principal political, economic, social, religious, and cultural
developments in British history from the beginning of the Tudor dynasty
in 1485 to the end of the Stuart dynasty in 1714.
Recent Term(s) Offered: None

HIST 422G   The French Revolution and Napoleonic Era   3 Hours
A survey of the period 1789 to 1815 with special emphasis on the
political, economic, and social events leading to the birth of modern
France.
Recent Term(s) Offered: None

HIST 425G   Modern Germany   3 Hours
A survey of German history from the early nineteenth century to the
present.
Recent Term(s) Offered: None

HIST 426G   Hitler and Nazi Germany   3 Hours
A detailed study of German history between 1933 and 1945, emphasizing
the political, economic, social, diplomatic, and military aspects.
Recent Term(s) Offered: None

HIST 428G   England Since 1914   3 Hours
A detailed study of the political, intellectual, cultural, and socioeconomic
developments that transformed England into a welfare state and her
empire into a commonwealth of nations.
Recent Term(s) Offered: None

HIST 440G   Colonial History of America to 1776   3 Hours
The founding and development of the colonies, emphasizing political,
social, cultural, and economic institutions.
Recent Term(s) Offered: None

HIST 442G   The Age of Jackson, 1815-1850   3 Hours
A detailed study of social, political, and economic events from the War of 1812 through the War with Mexico.
Recent Term(s) Offered: None

HIST 448G   American Biographies   3 Hours
The lives of famous Americans, the times in which they lived, and the skills of their biographers.
Recent Term(s) Offered: None

HIST 449G   Korea and Vietnam   3 Hours
A detailed study of both the Korean and Vietnam conflicts and how they related to the overall foreign policy of the U.S.
Recent Term(s) Offered: None

HIST 450G   Diplomatic History of the US to 1898   3 Hours
An analysis of American diplomacy from the colonial period through the Spanish-American War.
Recent Term(s) Offered: None

HIST 451G   Diplomatic History of the US since 1898   3 Hours
An analysis of American diplomacy from the Spanish-American War to the present.
Recent Term(s) Offered: None

HIST 460G   Traditional East Asia   3 Hours
A study of the political, socioeconomic, intellectual, and cultural history of China and Japan to 1600.
Recent Term(s) Offered: None

HIST 462G   History of the Middle East   3 Hours
A study of the history, religion, and culture of the Middle East from the rise of Islam until the present.
Recent Term(s) Offered: None

HIST 464G   Latin America and the United States   3 Hours
An intensive study of the relations between Latin America and the United States.
Recent Term(s) Offered: None

HIST 465G   The Mexican Republic   3 Hours
A study of Mexico from 1824 to the present.
Recent Term(s) Offered: None

HIST 471G   Modern China   3 Hours
Detailed study of rise of modern China since the 17th century.
Recent Term(s) Offered: None

HIST 472G   Modern Japan   3 Hours
Analysis of modern Japanese history since 1600 with special emphasis on Japan's transformation from a feudal to a modern state.
Recent Term(s) Offered: None

HIST 479G   Topics in the Third World   3 Hours (repeatable max of 6 hrs)
Intensive study of a selected Third World topic.
Recent Term(s) Offered: None

HIST 480G   History of Science   3 Hours
A study of the cultural and intellectual impact that science has had on the West with an emphasis on the period since the seventeenth century.
Recent Term(s) Offered: None

HIST 490G   Topics in History I   3 Hours (repeatable max of 6 hrs)
Detailed study of selected topics in history.
Recent Term(s) Offered: None

HIST 491G   Topics in History II   3 Hours (repeatable max of 6 hrs)
Detailed study of selected topics in history, using the lecture and discussion approach.
Recent Term(s) Offered: None

HIST 492G   The History of Canada   3 Hours
A survey of Canada's history and heritage, with special emphasis on Canadian-American relations and interdependency.
Recent Term(s) Offered: None

HIST 501   European History/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/Secondary Teachers   3 Hours
Emphasis on bibliography, documents, historical interpretations and materials for secondary teachers of history.
Recent Term(s) Offered: None

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: spring 2020

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: None

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 515   19th Century Britain   3 Hours
An intensive study of the political, economic, social, and intellectual developments within Britain and her empire from 1815 to 1914.
Recent Term(s) Offered: None

HIST 518   Topics in Reformation Europe   3 Hours (repeatable max of 6 hrs)
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 differing themes related to the Protestant and Catholic reform movements.
Recent Term(s) Offered: None

HIST 521   US 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: None

HIST 525   Social/Intellectual 19th Century US   3 Hours
A study of nineteenth century American thought and its relation to our 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 our social, economic, and political institutions.
Recent Term(s) Offered: spring 2021

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 Civil Rights Movement in America   3 Hours
Introduction to graduate-level survey of the struggle for civil rights and social justice in 20th century America.
Recent Term(s) Offered: fall 2019

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: None

HIST 535   Historiography   3 Hours
A survey of historical writing from ancient times to the present, with emphasis on European and American historians of the nineteenth and twentieth centuries.
Recent Term(s) Offered: fall 2020

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: fall 2021

HIST 540   Colonial North America to 1763   3 Hours
The background, founding, and development of the North American colonies, emphasizing political, social, cultural, and economic institutions.
Recent Term(s) Offered: None

HIST 541   The American Revolution and Early Republic 1763-1815   3 Hours
A study of the origins, progress, and immediate aftereffects of the American Revolution from the Crisis of the 1760s through the War of 1812, including local, regional, and global contexts.
Recent Term(s) Offered: spring 2021

HIST 543   Civil War and Reconstruction, 1850-1877   3 Hours
A study of the origins of the war, including an analysis of the military, social, cultural, and diplomatic events, as well as the significant developments of Reconstruction. Occasional field trips to Civil War sites.
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 2019

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: spring 2019; spring 2020

HIST 547   History of American Popular Culture   3 Hours
Prerequisite(s): Graduate student status. Introduction to the central role popular culture has played in the United States history and consciousness from the nineteenth century to the present.
Recent Term(s) Offered: fall 2021

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 553   American Women's History   3 Hours
Social, cultural, and political history of American women from pre-colonial times to the present.
Recent Term(s) Offered: spring 2019; summer 2020

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 the state from pioneer days. Local development is also stressed.
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
No course description is available
Recent Term(s) Offered: None

HIST 563   The Atlantic World   3 Hours
A study of the areas touched by the Atlantic Ocean in the period from the 1300's through the early 1900's, focusing on the intersections of African, Native American, and European cultures.
Recent Term(s) Offered: spring 2020

HIST 569   Cooperative Education in History   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: None

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: summer 2019

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: None

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: fall 2019; fall 2020; fall 2021

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 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

HIST 600   Maintain Matriculation   1-6 Hours (repeatable max of 6 hrs)
Continued enrollment for thesis completion.
Recent Term(s) Offered: spring 2020

HIST 605   Seminar in Ancient History   3 Hours (repeatable max of 6 hrs)
A seminar that focuses on the historical developments in and cultural achievements of Ancient Greece or Ancient Rome.
Recent Term(s) Offered: fall 2020

HIST 606   Seminar in European History   3 Hours (repeatable max of 6 hrs)
Graduate seminar in such diverse areas as the Middle Ages, Renaissance, Reformation, and Nazi Germany.
Recent Term(s) Offered: None

HIST 609   Seminar in Early Modern Europe, 1350-1750   3 Hours (repeatable max of 6 hrs)
Selected thematic and geographically focused topics on political, social and cultural developments of Early Modern Europe.
Recent Term(s) Offered: None

HIST 611   Seminar in Urban History   3 Hours
Rotating-topic seminar explores major themes, theoretical approaches, and scholarly literature in urban history.
Recent Term(s) Offered: None

HIST 612   Seminar in Modern Europe, 1750-Present   3 Hours (repeatable max of 6 hrs)
Selected thematic and geographically focused topics on political, social, and cultural developments in Modern Europe.
Recent Term(s) Offered: None

HIST 615   Seminar in Non-Western History   3 Hours (repeatable max of 6 hrs)
Seminar on a selected topic or area of the non-Western world, including China, Japan, Middle East, Africa and Latin America.
Recent Term(s) Offered: fall 2019; spring 2021; fall 2021

HIST 616   Seminar in Middle Eastern History   3 Hours (repeatable max of 6 hrs)
A broad survey of readings designed to acquaint students with current historiographical trends in Middle Eastern History and place those trends in the context of the field. May cover various time periods.
Recent Term(s) Offered: None

HIST 617   Seminar in Latin American History   3 Hours (repeatable max of 6 hrs)
A broad survey of readings designed to acquaint students with current historiographical trends in Latin American History and place those trends in the context of the field. May cover various time periods.
Recent Term(s) Offered: None

HIST 619   Seminar in US Diplomatic Relations   3 Hours (repeatable max of 6 hrs)
A study of issues, problems, and accomplishments in American foreign relations during the twentieth century.
Recent Term(s) Offered: None

HIST 622   Seminar in American Borderlands and the West   3 Hours (repeatable max of 6 hrs)
A study of American borderlands and/or the regional West with a concentration on social, cultural, and political developments.
Recent Term(s) Offered: spring 2019

HIST 630   Seminar in US History   3 Hours (repeatable max of 6 hrs)
Graduate seminar in such diverse areas as Colonial America, the Federalist era, the Slavery Controversy, the U.S. since 1945.
Recent Term(s) Offered: summer 2021

HIST 631   Seminar in Kentucky History   3 Hours
A study of political, economic, social, and cultural developments in Kentucky from pioneer days to the present.
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, and place those trends in the context of the field. May cover various time periods.
Recent Term(s) Offered: fall 2021

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 and place those trends in the context of the field of African history. May cover various 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 trends in European historiography. May cover various time periods.
Recent Term(s) Offered: fall 2020

Horticulture (HORT)

HORT 401G Landscape Plants II 2 Hours
Identification, recognition and use of landscape plants; with emphasis on evergreens, annuals, perennials and bulbs, winter effect and flowering sequence of deciduous trees and shrubs will be included.
Prerequisite(s): HORT 301 or permission of instructor
Corequisite(s): HORT 402G
Recent Term(s) Offered: None

HORT 402G Landscape Plants II Lab 1 Hour
A laboratory course correlated with HORT 401G.
Prerequisite(s): HORT 301 or permission of instructor
Corequisite(s): HORT 401G
Recent Term(s) Offered: None

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 405G Nursery Management 2 Hours
Developing, planning, planting, and maintaining a modern plant nursery of container and field grown stocks of trees, shrubs, and ground covers. An introduction to the organization and management of a landscape plant nursery for container and field grown stock. Students will design and plan a working nursery for south central Kentucky.
Prerequisite(s): AGRO 110
Corequisite(s): HORT 406G
Recent Term(s) Offered: None

HORT 406G Nursery Management Lab 1 Hour
A laboratory course correlated with HORT 405G.
Corequisite(s): HORT 405G
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 412G Modern Fruit Production 3 Hours
Production, harvesting, post-harvest handling, and marketing of the major tree and small fruits of the temperate region. Emphasis is given to those crops adaptable to Kentucky.
Prerequisite(s): AGRO 110
Recent Term(s) Offered: 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 2020

HORT 426G Viticulture 3 Hours
An introductory study of grape culture including morphology and growth habit, geographical distribution, dormant pruning techniques, canopy management, management of grapevine pests, and vineyard establishment/maintenance.
Prerequisite(s): (AGRO 110 and AGRO 350) or permission of instructor
Recent Term(s) Offered: None

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: None

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
Combined didactic and supervised practice course that focuses on foodservice systems management in a functional setting. Students will utilize analytical and decision-making skills for designing foodservice management systems and for solving management and operational problems at approved training sites.
Recent Term(s) Offered: spring 2019; spring 2020; summer 2020; summer 2021

HMD 584 Community Nutrition 3 Hours
Combined didactic and supervised practice course in community nutrition. Special attention is given to the assessment, planning, intervention, and evaluation of programs targeted to populations with high nutritional risk and diverse backgrounds. Note: Permission of instructor required.
Prerequisite(s): permission of instructor
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021; summer 2021

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: spring 2019; fall 2019; fall 2020; summer 2021

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: spring 2019; fall 2019; summer 2020; summer 2021

Industrial Technology (IT)

IT 510   Investigations in Industrial Technology   3 Hours
Individual research under the direction of a graduate faculty member.
Recent Term(s) Offered: None

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 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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 2019; spring 2020; spring 2021

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: None

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 2020; summer 2021

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 2019; summer 2020; summer 2021

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 2019; fall 2020; fall 2021

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 2019; fall 2020; fall 2021

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 2019; spring 2020; spring 2021; fall 2021

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 2019; spring 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: winter 2019; summer 2020; summer 2021

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 2019; fall 2020; fall 2021

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: spring 2019; spring 2020; summer 2021

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: fall 2019; spring 2021

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 2019; fall 2020; fall 2021

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: summer 2019; summer 2020; summer 2021; fall 2021

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 2021

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 2019; spring 2020; spring 2021

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: spring 2020

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: spring 2020; summer 2021

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 2019; fall 2020; fall 2021

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 2019; fall 2020; fall 2021

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 2019; fall 2020; fall 2021

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: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020

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: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020

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 2019; spring 2020; spring 2021

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 2019; spring 2020; spring 2021

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 2019; fall 2020; fall 2021

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: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020

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 2019; spring 2020; spring 2021

KIN 523   Seminar in Exercise Physiology   3 Hours
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 2019; fall 2020; fall 2021

KIN 524   Applied Biomechanics   3 Hours
Advanced study of the mechanical, neuromuscular, and anatomical bases of human movement.
Recent Term(s) Offered: fall 2019; fall 2020; fall 2021

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 2019; summer 2021

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 2019; spring 2020; spring 2021

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: spring 2021

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 2019; spring 2020; spring 2021

KIN 600   Maintain Matriculation   1-6 Hours (repeatable max of 6 hrs)
Continued enrollment for thesis completion.
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019; summer 2021

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021

LEAD 550   Leadership in Global Context   3 Hours
Study and analysis of cultural imipacts on successful leadership in various global areas. Focus on cultural theories and models that influence leadership across contexts.
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021

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 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: fall 2019; fall 2020

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: None

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: winter 2019; spring 2019; summer 2019; fall 2019; winter 2020; spring 2020; fall 2020; spring 2021; summer 2021; fall 2021

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: spring 2019; fall 2019; fall 2020; fall 2021

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: spring 2019; fall 2019; spring 2020; summer 2020; summer 2021

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: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; summer 2021

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 2019; summer 2019; spring 2020; summer 2020; spring 2021

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 2019; fall 2019; summer 2020; summer 2021

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: spring 2019; summer 2019; spring 2020; summer 2020; summer 2021

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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 2019; spring 2020; spring 2021

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 2019; summer 2020; summer 2021

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 2019; winter 2020; winter 2021

LITE 590   Practicum in Libraries, Informatics, and Technology in Education   1-3 Hours
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 2019; summer 2019; fall 2019; spring 2020; fall 2020; spring 2021; summer 2021; fall 2021

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 2019; fall 2020; fall 2021

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: spring 2019; summer 2019; fall 2019

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: fall 2020; spring 2021; fall 2021

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)
Course Fee: $200
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: summer 2019

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: None

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-Secndry Settings (0462)
Recent Term(s) Offered: winter 2019; winter 2020

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 in 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: None

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-Secndry Settings (0462)
Recent Term(s) Offered: None

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-Secndry Settings (0462)
Recent Term(s) Offered: None

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: LBD (0456) , Middle Grades Ed: Initial Cert (0458) , IECE, Birth-Age 5, Initial Cer (0460) or Teacher Educ: Initial Cert (0495)
Recent Term(s) Offered: fall 2019; fall 2020; fall 2021

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 stance..
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: fall 2020; summer 2021; fall 2021

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 2019; fall 2021

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 2020

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: fall 2019

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: summer 2019; spring 2021

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: spring 2019; fall 2020; fall 2021

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 2021

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: spring 2019

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.
Prerequisite(s): LTCY 519 (may be taken concurrently) and LTCY 523 (may be taken concurrently) and LTCY 527 (may be taken concurrently) and LTCY 524 (may be taken concurrently)
Recent Term(s) Offered: summer 2021

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.
Prerequisite(s): LTCY 519 (may be taken concurrently) and LTCY 523 (may be taken concurrently) and LTCY 524 (may be taken concurrently) and LTCY 527 (may be taken concurrently)
Recent Term(s) Offered: fall 2021

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: summer 2019

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: spring 2019; summer 2019; spring 2020; summer 2020; summer 2021

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: None

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

Mathematics (MATH)

MATH 403G   Geometry for Elementary and Middle School Teachers   3 Hours
Both formal and informal methods are used to explain the basic concepts of Euclidean geometry. Emphasis is given to the investigative approach, organizational skills, and problem solving.
Restriction(s): Students cannot enroll who are in Secondary Ed Teacher Leader (0435) or Mathematics (085)
Recent Term(s) Offered: None

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 2019; fall 2020; fall 2021

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 2019; spring 2020; spring 2021

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: summer 2019

MATH 411G   Problem Solving for Elementary and Middle School Teachers   3 Hours
Integrates concepts developed in algebra, geometry, logic, statistics, probability, and elementary number theory. Students are encouraged to use problem-solving strategies, models, and technologies, and to create problems of their own.
Restriction(s): Students cannot enroll who are in Secondary Ed Teacher Leader (0435) or Mathematics (085)
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; fall 2020; fall 2021

MATH 413G   Algebra and Technology for Middle Grades Teachers   3 Hours
The use of graphing calculators and computer software to explore algebraic ideas including patterns, functions, equations, inequalities, linear programming, curve fitting, and practical applications of algebra and technology.
Restriction(s): Students cannot enroll who are in Secondary Ed Teacher Leader (0435) or Mathematics (085)
Recent Term(s) Offered: None

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: None

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: None

MATH 421G   Problem Solving for Secondary Teachers   3 Hours
Utilizes various techniques and technology to solve mathematical problems. Integrates concepts from algebra, geometry, trigonometry, probability, statistics, number theory, discrete mathematics, linear algebra, and calculus.
Restriction(s): Students cannot enroll who are in Mathematics (085)
Recent Term(s) Offered: None

MATH 423G   Geometry II   3 Hours
An axiomatic development of plane hyperbolic geometry which presupposes a development of absolute geometry.
Recent Term(s) Offered: None

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 2020

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 2019; spring 2020; spring 2021; fall 2021

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 2021

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 2019; spring 2020; spring 2021

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: fall 2019

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: spring 2019; spring 2020; spring 2021

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: spring 2019; summer 2019; summer 2021

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.
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

MATH 502   Introduction to Probability and Statistics II   3 Hours
Review of linear algebra, Markov chains, decision theory, linear programming and game theory.
Recent Term(s) Offered: None

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 2019; fall 2020; fall 2021

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: fall 2019; summer 2020; fall 2020; summer 2021

MATH 506   Mathematical Applications for Middle Grades Teachers   3 Hours
Sets, logic, dimensional analysis, functions and modeling, and discrete mathematics with a focus on real-world applications. Note: Middle grades math certification required.
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   Mathematics Concepts for Elementary Teachers   3 Hours
Course intended for graduate students in Elementary Education only. Focuses on mathematics and strategies to effectively teach Kentucky Mathematics Core Content in grades K-5.
Recent Term(s) Offered: summer 2019; summer 2021

MATH 508   Number Concepts for Elementary and Middle Grades Teachers   3 Hours
Mathematical structures of integers and rational numbers; numeration systems; elementary number theory; special sequences and numerical of relationships; applications of fractions, decimals, percents, ratio, proportion, exponents, and scientific notation.
Restriction(s): Students cannot enroll who are in Secondary Ed Teacher Leader (0435) or Mathematics (085)
Recent Term(s) Offered: summer 2020

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 2019; summer 2020; summer 2021

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 2019; fall 2020; fall 2021

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.
Prerequisite(s): MATH 511 or permission of instructor
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

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 2019; spring 2020; spring 2021

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: None

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: fall 2019; fall 2021

MATH 532   Real Analysis   3 Hours
Function spaces, additive set functions, outer measure; measurable functions, integration.
Recent Term(s) Offered: None

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: spring 2020

MATH 536   Advanced Applied Mathematics- II   3 Hours
Integral equations, calculus of variations, maximation of linear functionals, maximum gradient method.
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 2021

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: spring 2019

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 and MATH 515 (may be taken concurrently))
Restriction(s): Enrollment is limited to students in Mathematics (049)
Recent Term(s) Offered: None

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: spring 2019; summer 2019; fall 2020; spring 2021; fall 2021

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: None

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 2019; spring 2021

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 2019; summer 2019; fall 2019; spring 2020; fall 2020; spring 2021; summer 2021; fall 2021

MATH 600   Maintaining Matriculation   1-6 Hours (repeatable max of 6 hrs)
Continued enrollment for thesis completion.
Recent Term(s) Offered: spring 2019; summer 2019

Middle Grades Education (MGE)

MGE 534   Seminar in Mathematics Education   3 Hours
Covers newer concepts in curriculum and methods of instruction, current research and problems in mathematics education.
Prerequisite(s): permission of instructor
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: fall 2019

MLNG 480G   Topics in Modem 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 2019; fall 2020; fall 2021

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: fall 2019; fall 2020

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 2019; fall 2020; fall 2021

MUS 512   Music Education Workshop   1-3 Hours (repeatable max of 6 hrs)
A variable topic workshop.
Recent Term(s) Offered: summer 2019; summer 2020; fall 2021

MUS 513   Independent Directed Study/Music Education   3 Hours (repeatable max of 12 hrs)
Research projects in music education.
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; fall 2021

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 managment strategies and use of multiple modes of technology applicable for teaching and assessing music will be addressed.
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021; fall 2021

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 artisitic 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   3 Hours
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 2019; spring 2020; fall 2020; spring 2021

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 2019; fall 2020; fall 2021

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: fall 2019; fall 2020

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 2019; spring 2020; spring 2021; fall 2021

MUS 530   Music Literature   3 Hours
Investigation of a specialized area not covered in other music literature courses.
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

MUS 538   Independent Directed Study/Theory-Literature   3 Hours
Supervised private research culminating in a scholarly paper.
Recent Term(s) Offered: fall 2020

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: fall 2019; spring 2020; fall 2020; fall 2021

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 2019; spring 2020; fall 2020; fall 2021

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 2019; fall 2019; spring 2020

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: spring 2020

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: spring 2019; spring 2020

MUS 553   Applied Music Principal   2 Hours (repeatable max of 8 hrs)
Applied study assumes graduate-level proficiency.
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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: fall 2020; spring 2021; fall 2021

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 2019; summer 2019; spring 2020; fall 2020; spring 2021; fall 2021

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) , Psyc Mental Health Nurs prac (0479) or Nursing (149)
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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 2019; spring 2020; spring 2021

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 2019; summer 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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 2019; fall 2020; fall 2021

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)
Course Fee: $25
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

NURS 506   Transition to Advanced Nursing Practice   1 Hour
Focuses on the transition from the professional nursing role to an advanced nursing practice role. Legal, ethical and advanced practice issues are emphasized.
Restriction(s): Enrollment is limited to students in Nursing Practice (0011) or Nursing (149)
Recent Term(s) Offered: summer 2019

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 and NURS 505
Restriction(s): Enrollment is limited to students in Psyc Mental Health Nurs prac (0479) or Nursing (149)
Recent Term(s) Offered: summer 2019; summer 2020; summer 2021

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: spring 2019; fall 2019; spring 2020; fall 2020; fall 2021

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 2019; fall 2020; fall 2021

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 2019; summer 2019; spring 2020; summer 2020; spring 2021; summer 2021

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 and NURS 526
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 2019; summer 2020; summer 2021

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
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 2019; spring 2020; summer 2020; summer 2021

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 phamacokinetics, 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: spring 2020

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 2019; fall 2019; spring 2020; spring 2021

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: spring 2021

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 2019; summer 2020; summer 2021

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: spring 2019; fall 2019; spring 2020; fall 2020

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
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 2019; fall 2020; fall 2021

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
Corequisite(s): NURS 523
Restriction(s): Enrollment is limited to students in Psyc Mental Health Nurs prac (0479) or Nursing (149)
Course Fee: $40
Recent Term(s) Offered: fall 2019; fall 2020; fall 2021

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, pschopharmacology, psychoeducation, primary prevention, and evaluation of treatment.
Prerequisite(s): NURS 523 and NURS 524
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 2019; spring 2020; spring 2021

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 and NURS 524
Corequisite(s): NURS 525
Restriction(s): Enrollment is limited to students in Psyc Mental Health Nurs prac (0479) or Nursing (149)
Course Fee: $40
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

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 and NURS 526
Corequisite(s): NURS 511
Restriction(s): Enrollment is limited to students in Psyc Mental Health Nurs prac (0479) or Nursing (149)
Course Fee: $40
Recent Term(s) Offered: summer 2019; summer 2020; summer 2021

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 2019; fall 2020; fall 2021

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
Course Fee: $40
Recent Term(s) Offered: spring 2019; spring 2020

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: fall 2019

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: fall 2020

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: fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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) , Psyc Mental Health Nurs prac (0479) or Nursing (149)
Recent Term(s) Offered: summer 2021

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 and NURS 503 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 2019; spring 2020; spring 2021

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 and NURS 503 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)
Course Fee: $40
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

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 and NURS 503 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 2019; summer 2020; fall 2020; fall 2021

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)
Course Fee: $40
Recent Term(s) Offered: fall 2019; fall 2020; fall 2021

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)
Course Fee: $40
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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: spring 2019

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: spring 2020

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
Course Fee: $40
Recent Term(s) Offered: summer 2020

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 2019; summer 2019; winter 2020; summer 2020; winter 2021

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
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 and NURS 599
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 2019; summer 2020; summer 2021

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: spring 2019; summer 2019; summer 2020; summer 2021

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: summer 2019; summer 2020

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 2019; fall 2020; fall 2021

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 2021; fall 2021

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: summer 2019; fall 2019; summer 2020; spring 2021; summer 2021; fall 2021

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: fall 2020; spring 2021; fall 2021

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 and NURS 620) or permission of instructor
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

NURS 650   Emergency/Urgent Care I   2 Hours
This course is the first of two didactic courses intended to prepare the NP for beginning practice in emergency department/urgent care settings. Focus is on recognition and management strategies of health deviations, including acute and chronic exacerbation/maintenance of conditions from the lifespan perspective. The patient population is individuals and families who seek care in emergency/urgent care settings. Care is addressed from an interdisciplinary framework and includes legal/ethical factors.
Recent Term(s) Offered: None

NURS 651   Emergency/Urgent Care Clinical I   2 Hours
This course is the first of two clinical courses intended to prepare the NP for beginning practice in the emergency department/urgent care settings. Focus on the application of skills and competencies related to the didactic and theory taught in NURS 650.
Prerequisite(s): NURS 650 (may be taken concurrently) or permission of instructor
Corequisite(s): NURS 650
Recent Term(s) Offered: None

NURS 652   Emergency/Urgent Care II   2 Hours
This course is the second of two didactic courses intended to prepare the NP for beginning practice in emergency department/urgent care settings. Focus on recognition and management strategies of health deviations, including acute and chronic exacerbation/maintenance of conditions from the lifespan perspective. The patient population is individuals and families who seek care in emergency/urgent care settings. Care is addressed from an interdisciplinary framework and includes legal/ethical factors.
Prerequisite(s): (NURS 651 and NURS 650) or permission of instructor
Recent Term(s) Offered: None

NURS 653   Emergency/Urgent Care Clinical II   2 Hours
This course is the second of two clinical courses intended to prepare the NP for beginning practice in the emergency department/urgent care setting. Focus on the application of skills and competencies related to the didactic and theory taught in NURS 652.
Prerequisite(s): (NURS 650 and NURS 651 and NURS 652 (may be taken concurrently)) or permission of instructor
Corequisite(s): NURS 652
Recent Term(s) Offered: None

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: fall 2019

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 2019; fall 2020; fall 2021

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 2019; fall 2020; fall 2021

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 or equivalent) and (NURS 620 or equivalent) and NURS 700 or permission of instructor
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

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 2019; fall 2020; fall 2021

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 or permission of instructor
Recent Term(s) Offered: summer 2019; summer 2020; summer 2021

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
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

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 or permission of instructor
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

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 and NURS 755
Recent Term(s) Offered: summer 2019; summer 2020; summer 2021

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 and NURS 755 and NURS 765
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019; spring 2020; fall 2020; spring 2021; summer 2021; fall 2021

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
Restriction(s): Enrollment is limited to students in Nursing Practice (0011)
Recent Term(s) Offered: summer 2020; spring 2021; summer 2021

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 409G   Laboratory Exper Physics/Research Tech   1 Hour
Laboratory techniques in experimental research, includes drawing and fabrication of apparatus, technical photography, and statistical treatment of data. Note: 2 years of college physics required.
Recent Term(s) Offered: None

PHYS 410G   Physics for Teachers   3 Hours
A broad study, including laboratory experiences, of the areas of physics relevant to science teaching in grades K-12. For pre-service for in-service teachers who have a minimal physics background. Instruction will be differentiated according to student needs. Applicable toward a major or minor in physics only for those students obtaining teacher certification.
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: spring 2020

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.
Prerequisite(s): GEOL 111
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 Schroedinger wave equation.
Prerequisite(s): PHYS 320 and PHYS 350 and PHYS 450
Recent Term(s) Offered: None

PHYS 501   Classical Dev in Physics   3 Hours
Physics for junior high and high school teachers covers the discovery of physical laws, the origin of forces, motion, energy, momentum, conservation, principles, wave phenomena, and electromagnetics.
Recent Term(s) Offered: None

PHYS 502   Modern Develop/Physics   3 Hours
Physics for junior high and high school teachers. Covers atomic structure, the nucleus, elementary particles, probability and uncertainty, and special relativity. Emphasizes the impact of twentieth century discoveries on the foundations of physical law.
Recent Term(s) Offered: None

PHYS 503   Physics Demonstration   3 Hours
Designed to acquaint the junior high and high school teacher with laboratory equipment and demonstrations for use in secondary education.
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 506   Overview of Homeland Security   1 Hour
Special requirements: Instructor permission required if not enrolled into graduate program in Homeland Security Sciences. A weekly seminar course available as an in-class group discussion, a real-time webcast, or a downloadable PEG file from the departmental website. Seminar speakers from Department of Homeland Security, businesses, and other recognized national and international experts, will provide an overview of the Homeland Security area. To be taken during the first semester of matriculation.
Recent Term(s) Offered: fall 2019; fall 2020; fall 2021

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 516   Classroom Physics Teaching: Theory and Practice   3 Hours
Designed to assist new physics instructors in teaching physics. Includes constructing and using laboratory equipment, implementing research-based curriculum, and assessments in physics. 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 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 520   Atomic and Molecular   3 Hours
No course description is available
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: None

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 2019; fall 2020; fall 2021

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 2019; fall 2021

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: spring 2019

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: spring 2019

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: None

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: None

PHYS 598   Graduate Seminar   0.5 Hours
No course description is available
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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 2019; summer 2019; fall 2019; spring 2020; fall 2020; spring 2021; summer 2021

PHYS 600   Maintain Matriculation   1-6 Hours (repeatable max of 6 hrs)
Continued enrollment for thesis completion.
Recent Term(s) Offered: summer 2021

PHYS 660   Theory of Solids   3 Hours
No course description is available
Recent Term(s) Offered: None

PHYS 670   Theoretical Nuclear Physics   3 Hours
No course description is available
Recent Term(s) Offered: None

PHYS 675   Advanced Topics in Physics   1-3 Hours
No course description is available
Recent Term(s) Offered: fall 2020

PHYS 799   Doctoral Research/Physics   1-10 Hours
Research undertaken to complete requirements for the doctoral program.
Note: Admission to candidacy in collaborative doctoral program required.
Recent Term(s) Offered: None

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 2020

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 2019; spring 2021; fall 2021

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: spring 2019; summer 2019; fall 2019; spring 2020

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 2020

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 2019; winter 2020; winter 2021

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 2019; spring 2020; spring 2021

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: fall 2019; fall 2020

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: spring 2019; fall 2020

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 2019; fall 2020

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 2019; spring 2020

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 2019; spring 2020; spring 2021

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: spring 2019; summer 2019; spring 2020

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: summer 2019; winter 2020; spring 2021

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 2019; summer 2020; summer 2021; fall 2021

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 2019; fall 2019; summer 2020; summer 2021

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 2019; fall 2021

PS 562   Public Policy Implementation & Evaluation   3 Hours
Seminar examining the various approaches and techniques for evaluating public programs.
Recent Term(s) Offered: spring 2019; spring 2020

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: None

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: summer 2019; spring 2020

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 and PS 530 (may be taken concurrently) with a minimum grade of and PS 538 (may be taken concurrently) with a minimum grade of and PS 541 (may be taken concurrently) with a minimum grade of and PS 542 (may be taken concurrently) with a minimum grade of) and (PS 560 (may be taken concurrently) with a minimum grade of or PS 562 (may be taken concurrently) with a minimum grade of)
Restriction(s): Enrollment is limited to students in Public Administration (051)
Recent Term(s) Offered: None

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: fall 2019; spring 2021; summer 2021; fall 2021

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: spring 2019; summer 2019; fall 2019; summer 2020; fall 2020; fall 2021

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: winter 2019; summer 2019; spring 2020; fall 2021

PSYS 424G   Topics in Developmental Psychology   3 Hours (repeatable max of 6 hrs)
A consideration of special topics to acquaint students with theoretical and research issues of particular interest in developmental psychology.
Equivalent(s): PSY 424G
Recent Term(s) Offered: None

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: fall 2021

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 2019; fall 2020; fall 2021

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: fall 2019; fall 2020

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 2019; spring 2020; spring 2021

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 2019; fall 2020; fall 2021

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: spring 2019; spring 2020; spring 2021; fall 2021

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 2019

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: None

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 2019; fall 2021

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 2020

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 2019; spring 2021

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 2020

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 2019; fall 2020; fall 2021

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 2020; spring 2021

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 2019; spring 2020; spring 2021

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: winter 2019; spring 2019; summer 2019; summer 2020; summer 2021; fall 2021

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: spring 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

PSYS 590   Readings of Research Psychology   1-3 Hours (repeatable max of 9 hrs)
Individual readings or research.
Prerequisite(s): permission of instructor
Equivalent(s): PSY 590
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; summer 2020; spring 2021; summer 2021; fall 2021

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 2019; fall 2019; fall 2020; spring 2021; fall 2021

PSYS 597   Trends and Scientific Approaches in Psychological Thinking   1-3 Hours (repeatable max of 3 hrs)
New developments and special topics in contemporary psychological research.
Equivalent(s): PSY 597
Recent Term(s) Offered: None

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)
Equivalent(s): PSY 599
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021

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.
Equivalent(s): PSY 640
Recent Term(s) Offered: fall 2020

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
Equivalent(s): PSY 641
Recent Term(s) Offered: spring 2020

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 2020; spring 2021; fall 2021

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 2019; fall 2020; fall 2021

PSYS 771   Human Resources Management and Personnel Decisions for Organizational Leaders   3 Hours
Survey of leadership roles in managing human resources in organizations to achieve both individual and organizational objectives and ensure effective work practices in dynamic work environments. Topics include selection and placement of employees, evaluation of employee performance, compensation and benefits, and effective utilization of human capital.
Restriction(s): Enrollment is limited to students in Educational Leadership (0010)
Recent Term(s) Offered: None

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: summer 2020

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 424G   Topics in Developmental Psychology   3 Hours (repeatable max of 6 hrs)
A consideration of special topics to acquaint students with theoretical and research issues of particular interest in developmental psychology.
Equivalent(s): PSYS 424G
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: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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.
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 2020; fall 2021

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; spring 2021; summer 2021

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: fall 2019; fall 2020; fall 2021

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 2020

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: summer 2019; summer 2020; fall 2021

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 2019; summer 2020; summer 2021

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 2019; spring 2020; spring 2021

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 2019; winter 2020; spring 2020; summer 2020; winter 2021

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 2019; fall 2020; fall 2021

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 2019; fall 2020; fall 2021

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 2019; fall 2020; fall 2021

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 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

PSY 590   Readings of Research Psychology   1-3 Hours (repeatable max of 9 hrs)
Individual readings or research.
Prerequisite(s): permission of instructor
Equivalent(s): PSYS 590
Recent Term(s) Offered: spring 2019; fall 2019; fall 2020; spring 2021; fall 2021

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 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

PSY 597   Trends and Scientific Approaches in Psychological Thinking   1-3 Hours (repeatable max of 6 hrs)
New developments and special topics in contemporary psychological research.
Equivalent(s): PSYS 597
Recent Term(s) Offered: summer 2019

PSY 599   Thesis Research   1-6 Hours (repeatable max of 6 hrs)
Thesis research and writing directed by faculty committee.
Equivalent(s): PSYS 599
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

PSY 600   Maintain Matriculation   1-6 Hours (repeatable max of 6 hrs)
Continued enrollment for thesis completion.
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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 2019; summer 2020; summer 2021

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 2019; spring 2020; spring 2021

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 helping profession required.
Prerequisite(s): permission of instructor
Equivalent(s): CNS 637, SWRK 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.
Equivalent(s): PSYS 640
Recent Term(s) Offered: fall 2019; fall 2020; fall 2021

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
Equivalent(s): PSYS 641
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; spring 2021

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 2019; fall 2020; fall 2021

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 2019; spring 2020; spring 2021; summer 2021

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 2019; spring 2020; spring 2021

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 2019; spring 2020; spring 2021

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.
Prerequisite(s): CNS 637 (may be taken concurrently)
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 2019; spring 2020; spring 2021

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 2019; summer 2019; spring 2020; spring 2021

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 2019; summer 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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): CNS 667, SWRK 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 2019; summer 2019; fall 2019; spring 2020; fall 2020; spring 2021; summer 2021; fall 2021

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 2020

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 2020

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: spring 2019; spring 2021

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 2020

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 2019; spring 2020; fall 2020; fall 2021

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: summer 2019

PSY 791   Advanced Psychology Practice   1,3 Hour
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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: spring 2019; fall 2019

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 2019; summer 2019; fall 2019; spring 2020; spring 2021; fall 2021

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 2019; fall 2021

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 2019; spring 2020; spring 2021

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 2019; spring 2020

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: None

PH 501   Research Methods   3 Hours
Methods, materials, techniques, and planning of research studies used and conducted by the profession.
Recent Term(s) Offered: fall 2020; fall 2021

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: winter 2019; spring 2019; summer 2019; fall 2019; winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021

PH 530   Independent Investigations in Community Health   1-6 Hours
(repeatable max of 6 hrs)
Research problems or projects in the area of public health.
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: fall 2021

PH 548   Community Health Organization   3 Hours
Social, political and economic forces that exacerbate health inequities in different communities; various organizational strategies for effective solution. Review and analysis of community organization and mobilization processes, legislative advocacy, cultural competency, and the role of mass media in conceptualization of public health issues. Transportation requirements for field trips will be provided.
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; fall 2021

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. 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: fall 2019

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: spring 2019; summer 2019; fall 2019; spring 2020; spring 2021

PH 578   Health Disparities   3 Hours
Introduce and discuss the manner in which minority status, within the United States, results in health inequality. Specific topics to be discussed, in relation to health disparities, are race, sex, gender, disability, and nationality. Through course readings, lectures, and assignments, the student will gain an undrstanding about how individual and structural factors impact health outcomes within our population.
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; fall 2020; spring 2021

PH 580   Introduction to Public Health   3 Hours
A comprehensive introduction to public health concepts and practice, examining the philosophy, purpose, history, organization, functions and activities of public health at the national, state and community levels.
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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 2019; spring 2019; summer 2019; fall 2019; winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021

PH 583   Public Health Administration   3 Hours
Advanced concepts of organization, administration and management of public health agencies and programs.
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019; summer 2020; summer 2021

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: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

PH 585   International Health   3 Hours
Analyzes international health problems, including the development and administration of the World Health Organization. Covers critical health problems of both developed and underdeveloped countries. Emphasizes effective intervention strategies.
Recent Term(s) Offered: spring 2019

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   3 Hours
Applications of concepts and theories used in social and behavioral sciences to identify and conceptualize solutions to public health problems.
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: summer 2019; spring 2020; summer 2020; fall 2020; summer 2021

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 2019; fall 2019; spring 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: spring 2019; summer 2019; fall 2019

PH 600   Maintain Matriculation   1 Hour (repeatable max of 6 hrs)
Continued enrollment for thesis completion.
Recent Term(s) Offered: summer 2019; spring 2020; summer 2020; spring 2021

PH 620   Advanced Biostatistics   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.
Prerequisite(s): PH 520 or equivalent
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

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 2019; fall 2020; fall 2021

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: spring 2019; summer 2020; spring 2021

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 2019; spring 2020; summer 2021

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: fall 2020

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: winter 2019

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: spring 2019

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
Course Fee: $500
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: winter 2020; fall 2021

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 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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 2019; summer 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: winter 2019; spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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 2019; spring 2019; summer 2019; fall 2019; winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021

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 2019; summer 2019; fall 2019; winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; spring 2021; summer 2021; fall 2021

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 2019; fall 2019; spring 2020; spring 2021

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 2019; fall 2019; spring 2020; spring 2021

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 2019; spring 2019; summer 2019; fall 2019; winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021

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 2019; fall 2019; spring 2021

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 2019; summer 2019; spring 2020; spring 2021

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: fall 2019

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: summer 2019; fall 2019; summer 2020; fall 2020; fall 2021

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 2019; spring 2020; spring 2021

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 2019; fall 2020; fall 2021

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 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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 2019; summer 2019; spring 2020; summer 2020; spring 2021; summer 2021

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 2019; summer 2019; summer 2020; fall 2020; summer 2021

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 2019; summer 2019; fall 2019; winter 2020; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: None

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: spring 2019

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 510, SMED 520
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 501, SMED 510
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
Covers newer concepts in curriculum and methods of instruction, current research and problems in mathematics education.
Prerequisite(s): permission of instructor
Equivalent(s): MGE 534
Recent Term(s) Offered: winter 2020; winter 2021

SEC 535   Seminar in Music Education   3 Hours
Historical, philosophical and psychological foundations of music education; application of the principles of education to the music program. Emphasis on current trends in education thought and their implications for instruction, supervision, administration, and evaluation in music education.
Recent Term(s) Offered: None

SEC 537   Seminar in Science Education   3 Hours
Includes the history and comparative study of science teaching, curriculum and course content changes, materials available, evaluation, methods in science teaching, professional organizations, and research in science education.
Prerequisite(s): permission of instructor
Recent Term(s) Offered: winter 2019; winter 2020; fall 2020; winter 2021

SEC 538   Seminar in Social Studies Education   3 Hours
Covers newer concepts in curriculum and methods of instruction as well as current research in social studies education.
Prerequisite(s): permission of instructor
Recent Term(s) Offered: winter 2021; fall 2021

SEC 539   Seminar in Agriculture Education   3 Hours
Current problems in the organization, teaching supervision, administration, and evaluation of agricultural education programs. Investigation, papers, and reports.
Recent Term(s) Offered: None

SEC 545   Investigations in Classroom Teaching   1-3 Hours (repeatable max of 3 hrs)
Opportunity for secondary 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: summer 2019; summer 2020; summer 2021; fall 2021

SEC 546   Seminar in English Language Arts Methods   3 Hours
Develops the skills, procedures, and strategies for teaching English and Language Arts in secondary school. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Note: Students are responsible for arranging their own transportation to designated or assigned sites.
Prerequisite(s): EDU 520
Recent Term(s) Offered: winter 2020; fall 2020

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
Develops the skills, procedures, and strategies for teaching business and marketing education in the middle and secondary school. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Note: Students are responsible for arranging their own transportation to designated or assigned sites. Note: Admission to professional education required.
Prerequisite(s): permission of instructor
Restriction(s): Enrollment is limited to students in Teacher Educ: Initial Cert (0495)
Recent Term(s) Offered: fall 2020

SEC 580   Curriculum   3 Hours
Philosophy, principles and practices of curriculum improvement.
Recent Term(s) Offered: None

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: fall 2019; fall 2020

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: spring 2019; fall 2020

SRSC 520   Community-based Research Methods   3 Hours
The study of methodologies that support community-based research and problem-solving..
Recent Term(s) Offered: fall 2019; fall 2020

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: spring 2019; summer 2020

SRSC 540   Community-Building for Sustainability   3 Hours
Research in a topic related to sustainable community-building.
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

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: spring 2020

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: spring 2019; spring 2020; spring 2021

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 2019; spring 2020

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: None

SWRK 501   Cultural Competency 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 2019; fall 2020; fall 2021

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 diversity.
Restriction(s): Enrollment is limited to students in Social Work (157)
Recent Term(s) Offered: fall 2019; fall 2020; fall 2021

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 2019; fall 2020; fall 2021

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 2019; spring 2020; spring 2021

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 2019; spring 2020; spring 2021

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 2019; spring 2020; spring 2021

SWRK 540   Foundations of Social Work Research Methods   3 Hours
Basic skills, knowledge, and values of social work research methods. Introduces single subject design and program evaluation.
Restriction(s): Enrollment is limited to students in Social Work (157)
Recent Term(s) Offered: fall 2019; fall 2020; summer 2021; fall 2021

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 2019; fall 2020; fall 2021

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 2019; spring 2020; spring 2021

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 2019; spring 2019; summer 2019; fall 2019; winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021

SWRK 572   Family 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 family violence - child, partner, elder and sibling abuse. Additionally, students examine their own values, beliefs, and biases related to working in this area of social work practice in the public child welfare system.
Prerequisite(s): permission of instructor
Recent Term(s) Offered: None

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021

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 2019; spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021

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: spring 2020

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 576, SWRK 578
Recent Term(s) Offered: winter 2019; fall 2020

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 576, SWRK 577
Recent Term(s) Offered: spring 2019; summer 2020

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021

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: spring 2021; summer 2021

SWRK 610   Social Work Administration and Supervision   3 Hours
Develop the knowledge, skills and values necessary for advanced practice focusing on the social work roles of administration and supervision. Prerequisite(s): 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 2019; fall 2020; fall 2021

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 2019; fall 2020; fall 2021

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 2019; fall 2020; fall 2021

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 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 2019; spring 2020; spring 2021

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 2019; fall 2020; fall 2021

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 required.
Corequisite(s): SWRK 660
Restriction(s): Enrollment is limited to students in Social Work (157)
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

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 helping profession required.
Prerequisite(s): permission of instructor
Equivalent(s): CNS 637, PSY 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 required.
Corequisite(s): SWRK 661
Restriction(s): Enrollment is limited to students in Social Work (157)
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

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.
Prerequisite(s): CNS 637 (may be taken concurrently)
Equivalent(s): PSY 647, CNS 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 2019; fall 2020; fall 2021

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 2019; spring 2020; spring 2021

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 2019; spring 2020; spring 2021

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 2019; winter 2020; winter 2021

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 2020; winter 2021

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 2019; spring 2020; spring 2021

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: winter 2020

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: summer 2019

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 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: summer 2020; summer 2021

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: winter 2019; summer 2019; winter 2020; summer 2021

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: fall 2019; spring 2020; summer 2021

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: fall 2019

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: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021

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: spring 2020

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: spring 2019

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: spring 2020

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: fall 2019

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: spring 2021

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: spring 2019; fall 2020

SOCL 571   Topical Seminar Sociology   3 Hours (repeatable max of 9 hrs)
Significant topics, issues, or developments in the discipline.
Recent Term(s) Offered: fall 2019; fall 2020; spring 2021

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: summer 2019; spring 2020; spring 2021; fall 2021

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: spring 2019; fall 2019; spring 2020; fall 2020; spring 2021; summer 2021; fall 2021

SOCL 600   Maintain Matriculation   1-6 Hours (repeatable max of 6 hrs)
Continued enrollment for thesis completion.
Recent Term(s) Offered: spring 2019; summer 2019; fall 2020; spring 2021; summer 2021; fall 2021

Spanish (SPAN)

SPAN 470G   Advanced Oral Spanish   3 Hours
Conversation units, dramatic sketches, original oral topics.
Prerequisite(s): SPAN 370
Course Fee: $7
Recent Term(s) Offered: fall 2021

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: fall 2019

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 2019; spring 2020; fall 2020; spring 2021

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: summer 2019; winter 2020; winter 2021; spring 2021

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 2020; summer 2021; fall 2021

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: None

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: None

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: None

SPED 515   Education of Exceptional Children   3 Hours
Introductory course for initial certification in Exceptional Education. Induction issues in special education are examined.
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

SPED 516   The Exceptional Child: Perspectives and Issues   3 Hours
Focus is on the characteristics, priorities, resources and issues of children who are disabled, delayed or gifted and their families. Emphasis is on current results of research and perspectives on today's children, families, schools and communities. Descriptions, issues and techniques for each area of exceptionality including learning disabilities, emotional/behavioral disorders, mentally challenged, autism, giftedness, physically challenged, health concerns, communication disorders, hearing loss, blindness or low vision, and traumatic brain injury will be included.
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; fall 2020; spring 2021

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 2019; summer 2020; summer 2021; fall 2021

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: fall 2019; fall 2020

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 2019; spring 2020; spring 2021

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 2021; fall 2021

SPED 529   Assessment of Students with Severe Disabilities   3 Hours
Assessment needs for functional skills across school, home, and community promoting increased independence of students with 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.
Prerequisite(s): SPED 610
Recent Term(s) Offered: spring 2021

SPED 530   Advanced Assessment Techniques   3 Hours
Experiences will be provided for students to enhance their knowledge of issues, techniques, and interpretations of various assessment procedures and instruments.
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021; fall 2021

SPED 531   Advanced Prescriptive Teaching   3 Hours
Adapting the learning environment to the learner. The identification and modification of various aspects of specialized learning environments are examined.
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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: summer 2019; summer 2020; summer 2021

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: summer 2019; summer 2020; summer 2021

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 2019; spring 2020; spring 2021

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.
Prerequisite(s): SPED 610
Recent Term(s) Offered: spring 2020; spring 2021

SPED 590   Advanced Internship in Exceptional Education   3 Hours
(repeatable max of 6 hrs)
Clinically supervised instructional practice in an approved setting for development of advanced skills and experience.
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
Course Fee: $50
Recent Term(s) Offered: fall 2019; spring 2020; spring 2021; fall 2021

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 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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: spring 2019; fall 2020; fall 2021

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: summer 2021

SPED 612   Collaboration with Schools and Agencies for Individuals with DD/ASD   3 Hours
Preparation of teachers to work as consultants in a team model; exploration of local, state and regional agencies involved with individuals with DD/ASD. Supervised practicum required at designated sites.
Prerequisite(s): SPED 610
Recent Term(s) Offered: fall 2019; fall 2021

SPED 615   Instructional Strategies for Students with Developmental Disorders and Autism Spectrum Disorder   3 Hours
Development of competencies and philosophies of instructional design specific to teaching students with Developmental Disorders - Autism Spectrum Disorders (DD/ASD). Emphasis on research-based instruction strategies, planning, and classroom structures. Field hours required
Recent Term(s) Offered: summer 2021

SPED 618   Social Skills Instruction & Behavioral Programming for Students with DD/ASD   3 Hours
Development of competencies in assessing, designing, and implementing social skills instruction and behavioral programming for students with Autism Spectrum Disorders/Developmental Disabilities/Low Incidence Disabilities.
Recent Term(s) Offered: summer 2019; summer 2020; summer 2021

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: spring 2019; summer 2019; spring 2020

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: None

SPED 630   Special Education Law and Finance   3 Hours
Comprehensive study of existing school law codes for special education; budgeting and financial accounting for local, state and federal monies; and, grant writing and reporting.
Recent Term(s) Offered: spring 2019; spring 2020; spring 2021

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 2019; fall 2020; fall 2021

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 2019; fall 2020; fall 2021

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: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; summer 2021; fall 2021

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 2019; spring 2020; spring 2021

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: spring 2019; fall 2019; spring 2020; fall 2020; fall 2021

SLP 507   Aphasia   3 Hours
Symptomatology, etiology, differential diagnosis, and remediation of adult aphasia
Recent Term(s) Offered: spring 2019; summer 2019; spring 2020; summer 2020; spring 2021; fall 2021

SLP 508   Voice Disorders   3 Hours
Diagnosis and remediation techniques for voice disorders in children and adults. Rehabilitation of the laryngectomee including use of electrolarynx, esophageal speech, and other voice substitutes.
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; fall 2020; summer 2021; fall 2021

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: winter 2019; winter 2020; winter 2021

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   Neurology 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: spring 2019; fall 2019; fall 2020; fall 2021

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 2019; summer 2019; fall 2019; spring 2020; spring 2021

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: summer 2019; fall 2019; summer 2020; fall 2020; fall 2021

SLP 514   Dysphagia   3 Hours
Etiology, characteristics, assessment, intervention protocols and treatment techniques for individuals with dysphagia.
Recent Term(s) Offered: spring 2019; fall 2019; spring 2020; spring 2021

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 2019; fall 2019; spring 2020; fall 2020; spring 2021

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 2019; summer 2020; summer 2021

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 2019; summer 2019; winter 2020; summer 2020; summer 2021

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: None

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: summer 2019; summer 2020; summer 2021

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: None

SLP 555   Orofacial Anomalies   3 Hours
Etiology, diagnosis, and management of speech/language dysfunctions associated with cleft palate and other syndromes resulting from neuropathologies.
Recent Term(s) Offered: None

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 2019; summer 2019; spring 2020; summer 2020; spring 2021; summer 2021

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 (MBS), impact of various medical conditions on communication, cognition, and swallowing.
Prerequisite(s): SLP 514
Recent Term(s) Offered: spring 2019; summer 2019; spring 2020; summer 2020; spring 2021

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 2019; fall 2019; fall 2020; spring 2021

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 2019; summer 2019; winter 2020; summer 2020; winter 2021; spring 2021; summer 2021

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: spring 2019; spring 2020; spring 2021

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 2019; summer 2019; spring 2020; summer 2020; spring 2021; summer 2021

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 2019; fall 2020; fall 2021

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 2019; spring 2020; fall 2020; spring 2021

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 2019; spring 2020; fall 2020; spring 2021

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.
Course Fee: $250
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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.
Course Fee: $50
Recent Term(s) Offered: spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

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: summer 2019

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 2019; fall 2019; spring 2020; fall 2020; spring 2021; fall 2021

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: spring 2019; summer 2019; summer 2020; spring 2021; summer 2021

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 2020

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: summer 2019

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: fall 2019; fall 2020

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: winter 2019; spring 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; summer 2021; fall 2021

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: LBD (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 2019; summer 2019; fall 2019

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; spring 2021; summer 2021

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 2019; summer 2019; winter 2020; summer 2020; winter 2021; summer 2021

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: winter 2019; spring 2019; summer 2019; fall 2019; summer 2020; fall 2020; summer 2021; fall 2021

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 2019; spring 2019; summer 2019; fall 2019; winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021

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 2019; summer 2019; fall 2019; spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021

Graduate Faculty Index

Professor

Heidi P. Alvarez DM (Music Performance), Florida State University, 1998
Darlene A. Applegate PhD (Anthropology), The Ohio State University Main Campus, 1997
Janet L. Applin PhD (Special Education), Vanderbilt University, 2005
Gregory K. Arbuckle PhD (Technology Management (Quality Systems)), Indiana State University, 2004
Kristina E. Arnold MFA (Art, Painting), University of Tennessee, Knoxville, 2003
Farhad Ashrafzadeh PhD (Electrical and Computer Engineering), The University of Calgary, 1997
Ferhan Atici PhD (Mathematics and Statistics), University of Nebraska-Lincoln, 1995
Mustafa Atici PhD (Computer Science), University of Nebraska, 1996

John K. Atkinson EdD (Adult, Higher, and Community Education, Information & Communication Sciences), Ball State University, 2007
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
Amy M. Brausch PhD (Psychology), Northern Illinois University, 2008
Reagan D. Brown PhD (Psychology), Virginia Tech, 1997
Monica G. Burke PhD (Education, Educational Administration and Supervision), University of Southern Mississippi, 1997
Stuart C. Burris PhD (Chemistry), North Carolina State University, 1998
Mark E. Cambron PhD (Electrical Engineering), Vanderbilt University, 2001
Warren Campbell PhD (Civil Engineering), Colorado State University, 1984
Amy C. Cappiccie PhD (Social Work), University of Louisville, 2006
Yining Chen PhD (Business Administration), University of South Carolina - Columbia, 1993
Indudeep S. Chhachhi DBA (Business Administration), Southern Illinois University Carbondale, 1990
Miwon Choe PhD (Curriculum and Instruction), Indiana University-Bloomington, 2001
Mark D. Ciampa PhD (Tech Mgt (Digital Comm Systems)), Indiana State University, 2008
John M. Cipolla DMA (Music, Music Performance), University North Carolina Greensboro, 2002
Ismail Civelek PhD (Operations Management and Manufacturing), Carnegie Mellon University, 2010
LeAnne Coder PhD (Business), University of Kansas Main Campus, 2007
Eric D. Conte PhD (Chemistry), University of Massachusetts, 1993
Darwin B. Dahl PhD (Chemistry), University of Missouri - Kansas City, 1987
Martha M. Day EdD (Administration & Supervision), Tennessee State University, 1998
Pitt Derryberry PhD (Educational Psychology), The University of Alabama, 2001
Carl W. Dick PhD (Zoology), Texas Tech University, 2005
Vladimir Dobrokhotov PhD (Physics), University of Idaho, 2006
Anthony M. Doggett PhD (Education and Human Resource Studies), Colorado State University, 2003
Holli R. Drummond PhD (Sociology), University of Georgia, 2004
Lisa C. Duffin PhD (Educational Studies, Educational Psychology), Purdue University Main Campus, 2009
Joshua D. Durkee PhD (Geography), University of Georgia, 2002
A. G. Emslie PhD (Astronomy), University of Glasgow, 1979
Nikolai Endres PhD (Comparative Literature), University of North Carolina Chapel Hill, 2000
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
Dennis K. George PhD (Environment Sci & Engr), University of North Carolina Chapel Hill, 1994
Becky A. Gilfillen PhD (Plant and Soil Science), University of Tennessee, Knoxville, 1999
Frederick G. Grieve PhD (Psychology, Clinical Psychology), University of Memphis, 1996

Margaret M. Gripshover PhD (Geography), University of Tennessee, Knoxville, 1995

Christopher G. Groves PhD (Environmental Science), University of Virginia, 1993

Scott A. Grubbs PhD (Biological Sciences, Ecology and Evolution), University of Pitts Pittsburgh Camp, 1997

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

Theodore R. Hovet PhD (English), Duke University, 1995

Sandra S. Hughes PhD (English), University of Georgia, 2003

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

Thomas C. Hunley PhD (Creative Writing), Florida State University, 2003

Stephen H. Huskey PhD (Biological Sciences), Florida Institute Technology, 2003

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

Kumi Ishii PhD (Communication Studies), Kent State University Kent Campus, 2004

Angela M. Jerome PhD (Communication Studies), University of Kansas Main Campus, 2002

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

Jeffrey P. Kash PhD (Political Science), University of Iowa, 2002

Molly B. Kerby PhD (Educational Leadership & Organizational Development), University of Louisville, 2007

Mikhail Khenner PhD (Physico-Mathematical Sciences), Perm State University-Russia, 1999

Rodney A. King PhD (Microbiology and Immunology), Virginia Commonwealth University, 1993

Ranjit Koodali PhD (Chemistry), Indian Inst of Tech-Madras, 1995

Alison L. Langdon PhD (English), University of Oregon, 2004

Dominic A. Lanphier PhD (Mathematics), University of Minnesota-Twin Cities, 2000

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

Yung L. Lo PhD (Finance), Florida State University, 2007

Kelly L. Madole PhD (Psychology), University of Texas at Austin, 1992

Maria E. Main DNP (Nursing Practice), University of Kentucky, 2010

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

Albert J. Meier PhD (Zoology), University of Georgia, 1995

Kathryn J. Melancon PhD (Business Administration, Marketing), University of Mississippi, 2007

Andrew S. Mienaltowski PhD (Psychology), Georgia Institute of Tech, 2008

Patricia H. Minter PhD (History), University of Virginia, 1994

Jennifer Mize Smith PhD (Communication), Purdue University Main Campus, 2006

William N. Mkanta PhD (Health Services Research), University of Florida, 2005

Carl L. Myers PhD (Psychology), Iowa State University, 1995

Matthew J. Nee PhD (Chemistry), University of California-Berkeley, 2005

Thanh L. Nguyen PhD (Mathematics), Ohio University Main Campus, 2002

James F. Norman PhD (Psychology), Vanderbilt University, 1990

Anne B. Onyekwuluje PhD (Sociology), University of Nebraska-Lincoln, 1995

Shane M. Palmquist PhD (Civil and Environmental Engineering), Tufts University, 2003

Holly J. Payne PhD (Communication), University of Kentucky, 2003

Inmaculada Pertusa PhD (Spanish), University of Colorado at Boulder, 1996

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

Robert W. Pope DMA (Music Performance), University of South Carolina - Columbia, 1992

Paula W. Potter PhD (Business Administration), University of Kentucky, 1997

Merrall Price PhD (English), University of Rochester, 1998

Ronald D. Ramsing PhD (Parks, Recreation, and Tourism), University of Utah, 2005

Eric S. Reed PhD (History), Syracuse University Main Campus, 2001

Thomas A. Richmond PhD (Mathematics), Washington State University, 1986

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

Gary T. Schallert DA (Music, Conducting), University of Northern Colorado, 2001

Bruce A. Schulte PhD (Environmental and Forest Biology), SUNY Col Envrnmtl Sci-Forestry, 1993

Michael J. Seidler PhD (Philosophy), Saint Louis University, 1981

Cliff P. Shaluta MA (Speech), Marshall University, 1983

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

Helen M. Sterk PhD (Communication Studies), University of Iowa, 1986

Cheryl L. Stevens PhD (Chemistry), University of New Orleans, 1982

Melissa A. Stewart PhD (Hispanic & Italian Studies), Johns Hopkins University, 1992

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
Blair C. Thompson PhD (Communication Studies, Educational Psychology), University of Nebraska-Lincoln, 2007
Patricia R. Todd DBA (Business Administration), Cleveland State University, 2006
Huanjing Wang PhD (Computer Science), The University of Alabama, 2005
Cathleen J. Webb PhD (Chemistry), University of Washington, 1989
Steve C. Wells PhD (Accountancy), University of Mississippi, 1994
Kevin M. Williams PhD (Chemistry), Emory University, 2000
William T. Willian PhD (Plant & Soil Science), University of Tennessee, Knoxville, 1995
Dennis P. Wilson PhD (Economics), University of Kentucky, 1999
Stacy Wilson PhD (Engineering, Electrical Engineering), Tennessee Technological University, 1996
Travis K. Wilson MARCH (Architecture), University of Oklahoma Norman, 1998
Steven R. Wininger PhD (Educational Psychology, Sports Psychology), Florida State University, 1998
Paul B. Woosley PhD (Crop Science), University of Kentucky, 2002
Dawn G. Wright PhD (Nursing Science), Vanderbilt University, 2008
Zhonghang Xia PhD (Computer Science), University of Texas at Dallas, 2004
Guangming Xing PhD (Computer Science), University of Georgia, 2001
Bangbo Yan PhD (Chemistry), Nanyang University, 2003
Jun Yan PhD (Geography), SUNY College at Buffalo, 2004
Rui Zhang PhD (Chemistry), University of Hong Kong, 2001
Qin Zhao PhD (Educational Psychology), University of Florida, 2008
David M. Zimmer PhD (Economics), Indiana University-Bloomington, 2004

Associate Professor

Shahnaz Aly MARCH (Architecture), Texas A & M University, 1999
Audrey L. Anton PhD, The Ohio State University Main Campus, 2011
Saundra C. Ardrey PhD (Political Science), The Ohio State University Main Campus, 1983
Sophia R. Arjana PhD (Religious/Theological Studies), University of Denver, 2011
Scott W. Arnett PhD (Exercise Science), University of Georgia, 2007
Noah T. Ashley PhD (Zoology), University of Washington, 2004
Melanie A. Autin PhD (Statistics), University of South Carolina - Columbia, 2007
Leslie L. Baylis PhD (Experimental Psychology), University of Oxford, 1990
Jason M. Bergner PhD (Business Administration), University of Kentucky, 2011
Stacy R. Bibelhauser PhD (Business Administration), University of Kentucky, 2004
Lauren E. Bland PhD (Communication Disorders), University of Cincinnati Main Campus, 1995
Maire M. Blankenship DNP (Nursing), Western Kentucky University, 2014
Tonya M. Bragg-Underwood DNP (Nursing Practice, MSN to DNP), Western Kentucky University, 2014
Kristi R. Branham PhD (English), University of Kentucky, 2006
Mary L. Branstetter DNP (Nursing Practice, Post Master Science in Nursing), University of Kentucky, 2011
Barbara R. Brindle PhD (Education, Speech Pathology and Audiology), University of Virginia, 1994
Dorothea Browder PhD (History, Distributed), University of Wisconsin-Madison, 2008

Jeffrey L. Budziak PhD (Political Science), The Ohio State University Main Campus, 2011
Ingrid A. Cartwright PhD (Art History), University of Maryland College Park, 2007
Carolyn Cox PhD (Textile & Apparel Management), University of Missouri-Columbia, 1999
Kenneth J. Crandall PhD (Exercise and Sport Science), University of Utah, 2004
Thaddeus R. Crews PhD (Computer Science), Vanderbilt University, 1995
Fred J. DeGraves PhD (Veterinary Medical Sciences, Animal Science), North Carolina State University, 1991
Marguerita K. Desander PhD (Ed Policy/Plan/Ldsp), College of William and Mary, 2005
Patricia L. Desrosiers PhD (Social Work), University of Louisville, 2009
Robert L. Dietle PhD (History), Yale University, 1991
David F. DiMeo PhD (Comparative Literature), Harvard University, 2006
Selena S. Doss PhD (History), Vanderbilt University, 2010
Kanita K. Ducloux PhD (Mathematics Education), University of Georgia, 2009
Marko Dumancic PhD (History), University of North Carolina Chapel Hill, 2010
Molly Dunkum PhD (Mathematics), University of Kentucky, 2005
Lacretia T. Dye PhD (Counselor Education), Western Michigan University, 2012
Gregory E. Ellis-Griffith PhD (Administration/Health Services), University of Alabama at Birmingham, 2010
Chandrakanth Emani PhD (Science), Osmania University, 1997
Ali Er PhD (Physics), Old Dominion University, 2011
Keri A. Esslinger PhD (Kinesiology), University of Arkansas Main Campus, 2010
Timothy H. Evans PhD (American Studies, Folklore), Indiana University-Bloomington, 1995
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
Paul A. Fischer PhD (East Asian Languages and Civilizations), University of Chicago, 2007
Karen E. Furgal DPT (Physical Therapy), SUNY at Stony Brook, 2008
MD R. Gani PhD (Geosciences), University of Texas at Dallas, 2005
Nahid Gani PhD (Geosciences), University of Texas at Dallas, 2006
Marilyn M. Gardner PhD (Health Ed Promotion), The University of Alabama, 1999
Natasha Gerstenschlager PhD (Mathematics & Science Educ), Middle Tennessee State University, 2015
Steven J. Gibson PhD (Astronomy, Physics), University of Wisconsin-Madison, 1997
Kimberly J. Green EdD (Educational Leadership, Postsecondary Leadership), Western Kentucky University, 2015
Jean D. Gumirakiza PhD (Economics), Utah State University, 2013
Lance W. Hahn PhD (Psychology), University of Texas at Austin, 1994
Penny L. Head PhD, Rocky Mtn University of Health Profe, 2019
Cheryl R. Hopson PhD (English), University of Kentucky, 2008
Kate G. Horigan PhD (English, Interdisciplinary Specialization in Folklore), The Ohio State University Main Campus, 2013
Jean-Luc Houle PhD (Anthropology, Archeology), University of Pitts Pittsburgh Camp, 2010
Sonya L. House EdD (Education Leadership), Western Kentucky University, 2013
Xiaoxia Huang PhD (Instructional Systems), Florida State University, 2007
Kathryn A. Hudepohl PhD (Anthropology), Tulane University, 2002

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

Audra R. Jennings PhD (History), The Ohio State University Main Campus, 2008

Jarrett R. Johnson PhD (Biology), University of Missouri-Columbia, 2005

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 (Educational Leadership & Organizational Development), University of Louisville, 2009

James W. Kanan PhD (Sociology), PA State University Main Campus, 1996

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

Hanna A. Khouryieh PhD (Food Science), Kansas State University, 2006

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

Elizabeth G. Kirby EdD (Learning and Instruction), University of San Francisco, 2008

Gillian B. Knoll PhD, University of Maryland College Park, 2012

Eric Kondratieff PhD (Ancient History), University of Pennsylvania, 2003

Jie-Young Kong PhD (Communication), Arizona State University-ALL, 2012

Amy C. Krull PhD (Sociology & Anthropology), Purdue University Main Campus, 2000

Minwoo Lee PhD (Business Administration), University of Pitts Pittsburgh Camp, 1993

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

Juan S. Leguizamon PhD (Economics), West Virginia University, 2011

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

Sonia E. Lenk PhD (Hispanic Language and Literature), University of Pitts Pittsburgh Camp, 2007

Feng Helen Liang PhD (Business Administration), University of California-Berkeley, 2006

Diane M. Lickenbrock PhD (Psychology), University of Notre Dame, 2010

Philip W. Lienesch PhD (Zoology), University of Oklahoma Norman, 1997

Ching-Yi Lin DM (Violin), Indiana University-Bloomington, 2010

Stephen L. Locke PhD (Economics), University of Kentucky, 2013

Zachary A. Lopes DMA (Piano), University of Cincinnati Main Campus, 2013

Donielle M. Lovell PhD (Rural Sociology), University of Missouri-Columbia, 2009

Gretchen M. Macy EdD (Kinesiology and Health Promotion), University of Kentucky, 2012

Jeremy B. Maddox PhD (Chemistry), University of Houston, 2003

Gayle M. Mallinger PhD (Social Work), University of Pitts Pittsburgh Camp, 2010

Hope L. Marchionda PhD (Curriculum and Instruction), Clemson University, 2006

Sean R. Marston PhD (Business Administration, Information Systems and Operation), University of Florida, 2010

Karen G. Mason PhD (Nutritional Science), University of Kentucky, 2002

Lauren N. McClain PhD (Sociology), Bowling Green State University, 2009

Jeffrey D. Miner PhD (History), Stanford University, 2011

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

Samangi Munasinghe PhD (Mathematics), Texas A & M University, 2006

April L. Murphy PhD (Social Work), University of Louisville, 2012

Roger W. Murphy PhD (Political Science), Indiana University-Bloomington, 1996

Kurt R. Neelly PhD (Education), University of Kansas Medical Center, 2002

Ngoc B. Nguyen PhD (Mathematics), Bowling Green State University, 2010

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

Elizabeth S. Norris PhD (Health Sciences), Seton Hall University, 2003

Leslie A. North PhD (Geography and Environmental Science and Policy), University of South Florida, 2011

Ivan S. Novikov PhD (Mathematics, Physics), St. Petersburg State U-Russia, 2000

Morteza Nurcheshmeh PhD (Mechanical Engineering), University of Windsor, 2011

James N. Oigara EdD (Educational Theory and Practice), SUNY at Binghamton, 2006

Alexander I. Olson PhD (American Studies), University of Michigan-Ann Arbor, 2013

Evelyn M. Oregon PhD (Kinesiology), Michigan State University, 2013

Peggy D. Otto PhD (English Rhetoric & Composition), University of Louisville, 2009

Ahmet O. Ozer PhD (Applied Mathematics), Iowa State University, 2011

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

Anthony R. Paquin PhD (Psychology), Texas A & M University, 1997

Kenneth D. Payne MA (Journalism), Marshall University, 1992

Heather M. Payne-Emerson PhD (Nutritional Science), University of Kentucky, 2010

Whitney O. Peake PhD (Agricultural Economics), Purdue University Main Campus, 2008

Attila Por PhD (Mathematics), Eotvos Lorand University-Hungary, 2003

Kelly L. Reames PhD (English), University of North Carolina Chapel Hill, 2002

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

Mark A. Revels PhD (Technology Management, Industrial Training & Development), Indiana State University, 2007

Jeffrey A. Rice PhD (English), University of Florida, 2010

Timothy S. Rich PhD (Political Science, East Asian Languages), Indiana University-Bloomington, 2012

Lawrence D. Rigby PhD (English), University of Missouri-Columbia, 2000

Juan L. Romero PhD (History), University of Texas at Austin, 2008

Andrew J. Rosa PhD (Afro-American Studies), University of Massachusetts, 2005

Mark T. Ross PhD (Business Administration, Finance), University of Arizona, 1996

Mark A. Schafer PhD (Health and Physical Activity, Exercise Physio Clin Res Trac), University of Pitts Pittsburgh Camp, 2007

Richard C. Schugart PhD (Applied Mathematics), North Carolina State University, 2005

Matthew C. Shake PhD (Educational Psychology), University of Illinois at Urbana-Champa, 2009

William M. Simpson MA (Art), Marshall University, 1982

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

Brian A. St John DMA (Conducting), Arizona State University-ALL, 2010

Tammie L. Stenger-Ramsey EdD (Applied Educational Studies), Oklahoma State University Main Campus, 2001

Trini G. Stickle PhD (English), University of Wisconsin-Madison, 2015

Thomas B. Stinnett PhD (Educational Leadership and Organizational Development), University of Louisville, 2013

Antonia M. Szymanski PhD (Psychological and Quantitative Foundations), University of Iowa, 2011

Rachel A. Tinius PhD (Movement Science), Washington University, 2015

Carrie Trojan PhD (Criminal Justice), City University of New York, 2009

Paula A. Upright PhD (Educational Leadership & Organizational Development), University of Louisville, 2009

Tamara Van Dyken PhD (History), University of Notre Dame, 2009

Shannon K. Vaughan PhD (Political Science), University of Kentucky, 2004

Adam R. West PhD (Human Development and Family Science), University of Texas at Austin, 2013

Aaron L. Wichman PhD (Psychology), The Ohio State University Main Campus, 2005

Andrew H. Wulff PhD (Geosciences), University of Massachusetts, 1999

Rong Yang PhD (Computer Science and Engineering), University of Louisville, 2007

Sonia N. Young EdD (Educational Leadership), University of the Cumberlands, 2013

Alison M. Youngblood PhD (Education), University of Central Florida, 2014

Lily P. Zhuhadar PhD (Computer Science and Engineering), University of Louisville, 2009

Assistant Professor

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

Kayla M. Baker PhD (Education), University of Central Florida, 2019

Melissa A. Baker PhD (Psychology), University of Mississippi, 2019

Simran Banga PhD (Biological Sciences), Purdue University Main Campus, 2009

David L. Bell DPT (Physical Therapy), University of Kentucky, 2012

Christopher J. Biolsi PhD (Economics), University of Houston, 2015

Kristen L. Brewer PhD (Education (Health Education)), Southern Illinois University Carbondale, 2021

Katherine E. Brown PhD (History), University of Virginia, 2015

Katrina A. Burch PhD (Industrial/Organizational Psychology), University of Connecticut, 2018

Jenny M. Burton PhD (Communication Disorders and Sciences), University of Cincinnati Main Campus, 2019

Jacob P. Byl PhD (Law and Economics), Vanderbilt University, 2015

Ellen G. Casale EDS (Education), University of Alabama at Birmingham, 2014

Xiaowen Chen PhD (Industrial/Organizational Psychology), Florida Institute Technology, 2020

Daniel L. Clark PhD (Mathematics Education), Michigan State University, 2016

William A. Czekanski PhD (Physical Activity and Education Services), The Ohio State University Main Campus, 2012

Nancy W. Dinan PhD (English), Texas Tech University, 2020

Xiuhua Ding PhD (Epidemiology and Biostatistics), University of Kentucky, 2016

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

Ann E. Embry PhD (Hospitality Management), Iowa State University, 2017

Jessica L. Folk MFA (Screenwriting), Chapman University, 2014

Stacey A. Forsythe EdD (Educational Leadership), Western Kentucky University, 2015

Nicholas C. Fortune PhD (Mathematics Education), North Carolina State University, 2018

Ashley C. Fox PhD (Educational Leadership and Organizational Development), University of Louisville, 2010

Tim W. Frandy PhD (Scandinavian Studies, Folklore), University of Wisconsin-Madison, 2013

Cristi L. Galindo PhD (Microbiology and Immunology), University of Texas Medical Branch, 2005

Jeffrey M. Galloway PhD (Computer Science), The University of Alabama, 2013

Kara E. Glenn MFA (Fine Arts), Full Sail Real World Education, 2019

Austin G. Griffiths PhD (Social Work), University of Kentucky, 2017

Thomas J. Gross PhD (Educational Psychology), Oklahoma State University Main Campus, 2013

Phillip A. Gunter PhD (Animal Sciences), Auburn University, 2018

Bashar F. Haddad PhD (Tech Mgt (Construction Mgt)), Indiana State University, 2007

Kirolos M. Haleem Mesiha PhD (Civil Engineering), University of Central Florida, 2009

Whitney R. Harper PhD (Human Devl and Family Studies), Michigan State University, 2015

Kara S. Haughtigan DNP (Nursing Practice), Western Kentucky University, 2016

Sarah Herbert DMA (Musical Arts), University of Cincinnati Main Campus, 2017

Matthew J. Herman DMA (Music Composition), Temple University, 2003

Lawrence J. Hill PhD (Chemistry), University of Arizona, 2014

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

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

Andrea K. Jenkins PhD (Counseling), Old Dominion University, 2015

Michael W. Kennedy DPT (Physical Therapy), University of Kentucky, 2012

Kasem M. Khalil PhD, University of Louisiana at Lafayette, 2021

Charles O. Kile PhD (Business Administration), Washington University, 1993

Eric G. Knackmuhs PhD (Leisure Behavior), Indiana University-Bloomington, 2017

Daniel J. Liddle PhD (Rhetoric), Purdue University Main Campus, 2018

Osama E. Mansour PhD (Environmental Design), The University of Calgary, 2015

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

David M. Marquez MFA (Art), University of Iowa, 2003

Allie E. McCreary PhD (Parks, Recreation, and Tourism), North Carolina State University, 2017

Yaser A. Mowafi PhD (Information Systems), University of Maryland Baltimore Co, 2009

Brian S. Myers PhD (PHYS ED: SPECIAL PHYS EDUCATION), Eastern Michigan University, 2019

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

Fatemeh Orooji PhD (Engineering Science, Construction Management), Louisiana State University & A&M College, 2015

Luiz H. Pereira Silva PhD (Animal Science), Foreign College/University, 2018

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

Michelle C. Reece PhD (Public Health), East Tennessee State University, 2014

Asghar Rezasoltani PhD (Mechanical Engineering), Louisiana State University & A&M College, 2016

Edrisa Sanyang PhD (Occupational & Environmental Health (Industrial Hygiene)), University of Iowa, 2016

Qingfang Song PhD (Developmental Psychology), Cornell University, 2016

Angie A. Stinnett PhD (Anthropology), University of Arizona, 2014

Whitley J. Stone PhD (Health Sciences), Middle Tennessee State University, 2017

William D. Strunk PhD (Plant Science), University of Arkansas Main Campus, 2015

Jenni B. Teeters PhD (Psychology), University of Memphis, 2017

Timothy S. Thornberry PhD (Clinical Psychology), Auburn University, 2013

Danilo V. Tolusso PhD (Human Performance), The University of Alabama, 2019

Jessica N. Torelli MED (Special Education), Vanderbilt University, 2015

Melissa K. Travelsted DNP (Nursing Practice), Western Kentucky University, 2014

Brian K. Weiler PhD (Hearing and Speech Sciences), Vanderbilt University, 2016

Lauren E. Whitham DMA (Music), University of Georgia, 2017

Brooke B. Williams PhD (Neuroscience), Vanderbilt University, 2010

Catherine M. Wilson PhD (Music), University of Iowa, 2013

Kaylee Woodard PhD (Kinesiology), University of Tennessee, Knoxville, 2020

Matthew J. Woodward PhD (Psychology), University of Memphis, 2017

John C. Wright PhD (Special Education), Vanderbilt University, 2019

Lukun Zheng PhD (Applied Mathematics), University North Carolina Charlotte, 2015

Marla K. Zubel PhD (Comparative Literature), University of Minnesota-Twin Cities, 2017

Visiting Professor

Jeremy N. Phillips PhD (Public Administration), University of Southern Indiana, 2012

Visiting Assistant Professor

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

Clinical Assistant Professor

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

Roger L. Dennis MAE (Agriculture Education, Secondary Education), Western Kentucky University, 1992

Mark W. Flener MSN (Nursing, Nursing Educator), Gonzaga University, 2016

Brittney R. Vickous MS (Communication Disorders), Western Kentucky University, 2011

Clinical Associate Professor

Jeffrey A. Barefoot AUD (Audiology), A T Still University of Health Scien, 2013

Courtney A. Hatcher PhD (Rehabilitation Sciences), University of Kentucky, 2017

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

Jeremy R. Logsdon EdD (Educational Leadership, Postsecondary Leadership), Western Kentucky University, 2016

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

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

Pedagogical Associate Professor

Dana M. Cosby PhD (Educational Leadership and Organizational Development), University of Louisville, 2008

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

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

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

Pedagogical Assistant Professor

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

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

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

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

Leslee K. Tarbett EdD, University of Memphis, 2020

Instructor I

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

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

Richard A. Callahan MS (Accounting), University of Kentucky, 1974

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

Melanie D. Eaton MBA, Western Kentucky University, 2003

Lynn M. Hazlett MSW, Western Kentucky University, 2010

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

Brian M. Janes MS (Management of Technology), Murray State University, 2003

Sandra S. McClain MSW (Social Work), Western Kentucky University, 2007

Kellye M. McIntyre MSW (Social Work), Western Kentucky University, 2003

Leanna Miller DNP (Nursing Practice), Western Kentucky University, 2016

James R. Prather PhD (Experimental Psychology), University of Louisville, 1997

Rhonda B. Quenzer MSN (Nursing, Nursing Educator), Western Kentucky University, 2014

Talitha W. Richards MSN (Nursing, Nurse Educator), Western Kentucky University, 2015

Paige A. Smith MS (Agriculture), Western Kentucky University, 2017

Erin T. Warfel MSW (Social Work), Bryn Mawr College, 2001

Kelly A. Watson MSN (Nursing), Western Kentucky University, 2016

Instructor II

Christy DeHay MSN, University of Missouri - Kansas City, 2013

Allison Gibson MSSW (Social Work), University of Louisville, 2005

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

Patricia N. Kambesis PhD (Earth and Atmospheric Sciences), Mississippi State University, 2014

Sara B. McCaslin MA (History), Western Kentucky University, 2002

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

Vickie L. Shoumake MSN (Nursing, Nurse Educator), Western Kentucky University, 2011

Janice C. Smith PhD (Rehabilitation Sciences), University of Kentucky, 2015

Lindsay S. Wheat MSN (Nursing, Nursing Educator), Western Kentucky University, 2014

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

Visiting Instructor

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

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