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## University Administration

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*John A. Bonaguro*, College of Health and Human Services  
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*Dennis George*, University College  
*David D. Lee*, Potter College of Arts and Letters  
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*Donald Swoboda*, Division of Extended Learning and Outreach (DELO)  
*William Tallon*, Gordon Ford College of Business

### College Heights Foundation—Foundation Building 203, (270) 745-4597

*Dero G. Downing*, Chairman, Board of Directors  
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### Board of Directors

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Dr. Nicholas Crawford, Professor, Geography and Geology	*Dr. Julia Roberts, Professor, Curriculum and Instruction
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*Dr. Carlton Jackson, Professor, History	Dr. Joseph Trafton, Professor, Philosophy and Religion
*Dr. Kenneth Kuehn, Professor, Geography and Geology	Dr. Michael Ann Williams, Professor, Folk Studies and Anthropology
Dr. Elizabeth Lemerise, Professor, Psychology	
*Dr. Marion B. Lucas, Professor, History	
*Dr. Sam McFarland, Professor, Psychology	

## ***Graduate Studies & Research***

Richard G. Bowker, Dean  
graduate.studies@wku.edu  
<http://www.wku.edu/graduate/>

Wetherby Administration Building 207  
(270) 745-2446 Office  
(270) 745-6950 Fax

### **Graduate Studies and Research Staff**

*Richard G. Bowker*, Dean  
*Lisa Murrell*, Assistant to the Dean  
*Kinchel Doerner*, Assistant to the Dean  
*Sarah Kessler*, Assistant Director  
Graduate Records  
*Justin Schilke*, Graduate Records  
Associate

*Scott Macomber*, IT Specialist  
*Erin Cummings*, Office Associate  
*Crissy Priddy*, Assistant Director  
Graduate Admissions  
*Julie Harris*, Admissions Assistant  
*Barbara Chaffin*, Admissions Team  
member

## **THE UNIVERSITY**

### **Historical Profile**

Western Kentucky State Normal School, Bowling Green, was established by an act of the 1906 Kentucky General Assembly. Prior to 1906, there had existed in Bowling Green the Southern Normal School and Bowling Green Business University, whose president was Dr. Henry Hardin Cherry. In 1907, the Southern Normal School was transferred to the state, and Dr. Cherry was selected as the first president of Western Kentucky State Normal School. In 1922, the Kentucky Legislature changed the school's name to Western Kentucky State Normal School and Teachers College and empowered the College to award degrees to its graduates. In 1930, the school's name was changed to Western Kentucky State Teachers' College, and in 1948 to Western Kentucky State College. The Kentucky General Assembly in 1966 designated Western as a University and changed the name to Western Kentucky University.

Western began offering the Master of Arts degree in 1931. This program was discontinued in 1936 but was resumed in 1941. The granting of university status in 1966 gave the Graduate School (renamed the Graduate College in 1969) increased opportunity both to strengthen existing programs and to offer an even wider choice of programs. In 1992 the Graduate College was renamed Graduate Studies.

The school's first president, Henry Hardin Cherry, expressed a theme for Western's educational commitment that is a constant inspiration to faculty, students and alumni: "The Spirit Makes the Master."

As a university, Western has produced educational opportunities to more than 110,000 alumni who proudly call WKU "the home of the Hilltoppers." WKU's campus crowns a hill overlooking the city of Bowling Green and is proclaimed as one of the most beautiful in the nation.

### **University Information**

Western Kentucky University is located in Bowling Green, Kentucky. The population of Bowling Green was about 50,000 in 2000, the fourth largest in the state. Bowling Green is located 65 miles north of Nashville, Tennessee and 100 miles south of Louisville, Kentucky. Major highway access is provided with U.S. Interstate I-65, U.S. Highway 31-W, the Louie B. Nunn (Cumberland) Parkway, and the William H. Natcher Parkway.

Graduate Studies offers the following degrees: master of arts, master of arts in education, master of business administration, master of health administration, master of public administration, master of public health, master of science, master of science in nursing and master of social work. Western also offers the specialist degree, Rank I and Rank II programs, Doctor of Education in Educational Leadership, and various graduate certificate programs.

## **VISION, MISSION, AND STATEMENT OF PURPOSE OF WESTERN KENTUCKY UNIVERSITY**

### **Vision**

WKU—A Leading American University with International Reach.

### **Mission**

Western Kentucky University prepares students to be productive, engaged, and socially responsible citizen-leaders of a global society. It provides research, service and lifelong learning opportunities for its constituents. WKU is responsible for stewarding a high quality of life for those within its reach.

### **Statement of Purpose**

As a nationally prominent university, Western Kentucky University engages the globe in acclaimed, technologically enhanced academic programs. An inspiring faculty promotes entrepreneurial success and a unique campus spirit to attract an intellectually exciting and diverse family of the nation's best students.

WKU provides students with rigorous academic programs in education, the liberal arts and sciences, business, and traditional and emerging professional programs, with emphasis at the baccalaureate level, complemented by relevant associate and graduate-level programs.

The University places a premium on teaching and student learning. Its faculty engage in creative activity and diverse scholarship, including basic and applied research, designed to expand knowledge, improve instruction, increase learning, and provide optimum 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. The University encourages applied research and public service in support of economic development, quality of life, and improvement of education at all levels, especially elementary and secondary schools. In particular, WKU faculty contribute to the identification and solution of key social, economic, scientific, health, and environmental problems within its reach, but particularly throughout its primary service area.

Maintaining a campus of distinctive history and character, WKU sustains a student population of increasing quality. It fulfills its responsibility for access through its Bowling Green Community College, regional campus programs in Glasgow, Owensboro, and Elizabethtown/Radcliff/Ft. Knox, and distance/on-line learning.

WKU's commitment is to ensure 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.

WKU recognizes that its mission continues to evolve in response to regional, national, and global changes, and the need for lifelong learning.

**POLICIES AND PROCEDURES**

The Office of Graduate Studies and Research and all colleges and departments of the University have policies and procedures that must be met before a degree is granted. These requirements are described in this bulletin and in program documents provided by the academic departments.

**Student Responsibilities**

The student is responsible for becoming informed of and for fulfilling all degree-related requirements. If requirements for graduation have not been met, the degree will not be granted. In no case will a regulation be waived or an exception granted because a student pleads ignorance of the regulation.

**Appeal of Graduate Regulations**

The Graduate Council, which represents the graduate faculty, reviews and recommends policies pertinent to the graduate program. In that capacity, the Graduate Council functions as the hearing body for requests for waiver of graduate policies and regulations.

Requests for waiver of Graduate Studies regulations such as minimum admission requirements, time limit for program completion, candidacy requirements, etc., that apply to all graduate programs are considered by the Dean of Graduate Studies and the Graduate Council. The student must present the request in writing, along with supportive documentation, to the Office of Graduate Studies. Requests for waiver of departmental graduate requirements such as higher grade point average, undergraduate preparation, prior certification, demonstrated performance, etc., that are unique to the particular program are considered by the departmental graduate committee. The student must present the request in writing to the graduate advisor or department head for consideration by the departmental graduate committee. The graduate advisor or department head informs the student of the outcome. In the event that the student is not satisfied with the college committee's decision, the Graduate Council will act upon the appeal. The Office of Graduate Studies and Research informs the student of the outcome.

Students failing to meet admission requirements should consult the catalog statement on Alternate Admission Requirements.

**Student Complaint Procedure**

The University student complaint procedure for resolving complaints concerning a faculty member is outlined in the general University Bulletin.

**STATEMENT OF COMPLIANCE**

Western Kentucky University is committed to equal opportunity in its educational programs and employment. It is an equal opportunity-affirmative action employer and does not discriminate on the basis of age, race, color, religion, sex, sexual orientation, national orientation or disability. On request, the University 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 in such programs, activities, or employment, the University's policies and procedures are published in the *Western Kentucky University Student Handbook*; the *Western Kentucky University Personnel Policies and Procedures Manual*; and the *Catalog*. These publications, including information about University procedures, are available in the following locations:

Equal Opportunity/ADA  
Compliance Officer  
Wetherby Administration  
Building Room 13  
Western Kentucky University  
(270) 745-5121

Office of Human Resources  
Wetherby Administration  
Building Room 42  
Western Kentucky University  
(270) 745-5360

Office of the President  
Wetherby Administration  
Building Room 135  
Western Kentucky University  
(270) 745-4346

Inquiries about alleged discrimination may also be made directly to the Office of Civil Rights, The Wanaker Building, Suite 515, 100 Penn Square East, Philadelphia, PA 19107, (215) 656-8548; the Kentucky Commission on Human Rights, 832 Capital Plaza, 500 Metro Street, Frankfort, KY 60601, (502) 564-5530; or the Equal Employment Opportunity Commission, 600 Martin Luther King, Jr. Place, Suite 268, Louisville, KY 40402, (502) 582-5851.

## ACADEMIC FACILITIES AND RESOURCES

### Graduate Studies and Research

Western Kentucky University offers graduate education in more than 50 degree and non-degree programs at the graduate level. The University confers masters degrees, a specialist degree in selected areas of education, a doctorate of education in educational leadership, and various graduate certificates. The University reserves the right to make changes as required in course offerings, curricula, academic policies, and other rules and regulations affecting students, to be effective when determined by the University.

The Graduate Faculty consists of faculty members recommended by department heads and college deans, and approved by the Graduate Council.

The Graduate Council, which represents the graduate faculty and Graduate Studies, recommends and reviews policies pertinent to the operation of Graduate Studies and Research. In addition, it regularly reviews admission requirements and makes recommendations regarding new graduate programs and alterations of existing programs.

The Dean of Graduate Studies is charged with the administration of policies regulating and relating to Graduate Studies and Research. It is his/her responsibility to certify that candidates have fulfilled requirements for advanced degrees.

### University Libraries

The University Libraries consist of the main library and three branch libraries to serve the academic community of Western Kentucky University. For more information about the libraries and the services offered visit their website at <http://wkuweb1.wku.edu/Library>.

### Information Technology

Dr. Robert Owen, Vice President  
[bob.owen@wku.edu](mailto:bob.owen@wku.edu)

Mass Media and Technology Hall 244  
(270) 745-2243 Office  
(270) 745-6577 Fax

The Division of Information Technology supports the university's mission through the application of computing and telecommunications resources. The division is organized into five departmental areas: Academic Technology, Administrative Systems and Applications, Educational Telecommunications, Network and Computing Support, and Communication Technologies. These services are described in more detail in the WKU web page ([www.wku.edu](http://www.wku.edu)) under Information Technology.

### Academic Technology

John Bowers, Director  
[john.bowers@wku.edu](mailto:john.bowers@wku.edu)

Mass Media and Technology Hall 239  
(270) 745-4278 Office  
(270) 745-5267 Fax

Academic Technology Services provides a wide range of information technology for instruction. The unit is responsible for the operation of general access student open computing laboratories, including the principal labs in Helm Library, Grise Hall, and Thompson Complex-Central Wing, access to network computing services from residence hall rooms, and assisting faculty in the application of information technology resources in instruction.

### Administrative Systems and Applications

Gordon Johnson, Jr., Director  
[gordon.johnson@wku.edu](mailto:gordon.johnson@wku.edu)

Mass Media and Technology Hall 374  
(270) 745-6455 Office  
(270) 745-6402 Fax

Administrative Systems Applications (ASA), located on the third floor of Mass Media and Technology Hall (MMTH), is responsible for the implementation, maintenance and support of all the major line-of-business administrative systems at the university. Recent implementations feature web interfaces, which allow students to register for classes, check financial aid, and access a host of other student information via a web browser.

### Educational Telecommunications

Jack Hanes, Director  
[jack.hanes@wku.edu](mailto:jack.hanes@wku.edu)

Academic Complex 248  
(270) 745-6519 Office  
(270) 745-2084 Fax

Educational Telecommunications comprises several areas, including Western's Public Radio, through its four radio stations -- WKYU-FM 88.9 in Bowling Green, WDCL-FM 89.7 in Somerset, WKPB-FM in

Henderson-Owensboro, and WKUE-FM 90.9 in Elizabethtown – and provides the highest quality music and information services to more than 60% of Kentucky and parts of southern Indiana and northern Tennessee. The student radio station, WWHR, 91.7 Mhz, is operated in collaboration with Western's Public Radio.

Educational Television (ETV) serves the professional video production and video distribution needs of Western Kentucky University by producing high-quality videos and video-based learning products, and maintaining two campus cable systems, reaching each residence hall room, faculty/staff office, and academic room on the main campus. The fifteen ITV classrooms maintained by IDE make up the extensive interactive television network transmitting courses to the University's extended campus sites in Fort Knox, Glasgow and Owensboro in addition to sites in Campbellsville and Elizabethtown. ETV also includes two campus cable systems. Western Cable provides 35 channels of entertainment and instructional cable programming to all student living areas. Academic Cables provides video access to all learning areas for classroom instruction and the delivery of satellite videoconferences.

WKYU-TV, the Public Television Service of Western Kentucky University, broadcasts informative, educational, and culturally diverse television programs within a high-quality, non-commercial broadcast format intended to promote intellectual excellence, cultural enrichment, participation in public life, character development, and returning value for the investors in Western's Public Television. WKYU-TV provides local, public television service to south central Kentucky on Channel 24, the only PBS station licensed to a Kentucky public institution.

### **Network and Computing Support**

David Beckley, Director  
[dave.beckley@wku.edu](mailto:dave.beckley@wku.edu)  
(270) 745-7000 Help Desk

Mass Media and Technology Hall 375  
(270) 745-4981 Office  
(270) 745-6014 Fax

The Department of Network and Computing Support provides a variety of technical and client support services to the University community. This includes both the provisioning of networking infrastructure components as well as technology support and assistance. Networking issues are handled by Network Services, which supports campus-wide connectivity to all classrooms, laboratories, offices, and residence hall rooms. Desktop issues are handled by Microcomputing Services, which provides support for both PC and Macintosh microcomputer users. The unit manages a Help Desk which is staffed Monday through Friday 8:00 a.m. - 4:30 p.m. with professional staff and student consultants who are available to answer users' questions and to provide assistance when required at the user's workstation.

Additional information about the department, as well as information related to other technology areas, can be accessed by visiting Western's home page at [www.wku.edu](http://www.wku.edu) and following the link to *Information Technology*.

### **Communication Technologies**

Edwin Craft, Director  
[Edwin.craft@wku.edu](mailto:Edwin.craft@wku.edu)

Mass Media and Technology Hall 276  
(270) 745-2017 Office  
(270) 745-6500 Fax

The Communication Technologies Department provides and maintains a comprehensive voice and video communications system utilized to service the needs of Western Kentucky University faculty, staff, students, and correspondents. Voice services include: campus, local, and long distance calling; voice mail; facsimile reception and transmission; campus main switch board; wire communications pathways for the campus voice network and other signaling circuits; and planning and engineering for telephone services. Video services include: interactive video classrooms and video conferencing.

### **Faculty Center for Excellence in Teaching (FaCET)**

FaCET offers a variety of programs, activities and resources to encourage and support all college instructors to strive for excellence in teaching. The center provides information on innovative teaching practices, training opportunities, consultation to individuals and administration, and access to some equipment. Seminars on effective teaching are scheduled throughout the year. Participation in these seminars is a prerequisite for graduate assistants who plan to become teaching associates and teach lower division courses. For more information, call (270) 745-6508, email [facet@wku.edu](mailto:facet@wku.edu) or see their website at <http://www.wku.edu/Dept/Support/AcadAffairs/CTL/index.php>.

### **Counseling and Testing Center**

The Center, located in Potter Hall 409, provides personal counseling services and is responsible for the administration of national testing programs. Contact the Center for appointments and for test information at (270) 745-3159 or see the website: <http://www.wku.edu/Dept/Support/StuAffairs/COUNS/index.htm>.

### **Career Services Center**

The Career Services Center provides a variety of developmental services and programs designed to assist students enrolled at Western Kentucky University. Career advisors assist Western students in developing and formulating



realistic educational and career objectives and in identifying resources and strategies, which will aid in resolving their career and graduate study concerns. Career development sessions provide information on preparing resumes, interviewing and specific employers. The Career Library is designed to make available pertinent resources relating to career planning, employer literature, graduate and professional studies, job trends and other related placement information. All students are invited to become familiar with these library materials. Additional services include cooperative educational internships, campus interviews, and employment files. For more information, call (270) 745-3095, email [career.services@wku.edu](mailto:career.services@wku.edu) or visit the website: <http://www.wku.edu/career/> or visit Downing University Center, A230.

## **PERSONAL FACILITIES AND RESOURCES**

### **Housing Facilities**

Graduate housing is available for both men and women. To apply for housing, students need to submit a Residence Hall Housing Agreement, along with a deposit, to the Office of Housing. For more information, call (270) 745-4359.

### **Dining Services**

WKU Dining Services (DUC 124) is managed by Aramark Food Services and offers a variety of options, tailor-made to meet all the dining needs of students while accommodating busy schedules. For more information call (270) 745-2416.

### **Financial Assistance**

Student Financial Assistance  
Potter Hall 317  
(270) 745-2755

For general information regarding loans, grants, and scholarships contact Student Financial Assistance.

### **Research Grants**

Graduate students are invited to submit proposals for University research grants. Information as to application deadline and required proposal form may be obtained from the Office of Graduate Studies and Research.

### **Minority Assistantship Program**

Consistent with the Commonwealth of Kentucky's desegregation plan, the University is committed to raising the proportion of African American Kentuckian residents receiving graduate degrees. Graduate assistantships are available to Kentucky resident minority students through this program.

### **Senior Citizens**

Kentucky residents who are 65 years of age or older on or before the day the semester begins are granted Senior Citizen Scholarships for any college class in which they enroll for credit or to audit in accordance with KRS 164.284. A senior citizen (65 years or older) who holds a bachelor's degree may be admitted to Graduate Studies as a non-degree student or may pursue admission to a specific degree program. Please contact the Office of Graduate Studies at (270) 745-2446 or [graduate.studies@wku.edu](mailto:graduate.studies@wku.edu) for additional information.

### **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. There are several categories of educational benefits for eligible students including Montgomery GI Bill, 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 in using or applying for these benefits at Western Kentucky University.

### **Air Force Reserve Officer Training Program**

Students may participate in the Air Force Officer Training Corps (AFROTC) at Detachment 790 on the campus of Tennessee State University. AFROTC provides pre-commissioning training to college students (male and female) who desire to serve as officers in the U.S. Air Force (USAF). For more information, visit [www.AFROTC.com](http://www.AFROTC.com) or telephone the Det., 790 Unit Admissions Officer at (615) 963-5931. Also visit the Det. 790 website at [www.tnstate.edu/rotc](http://www.tnstate.edu/rotc).

### **Graduate Assistantships**

Graduate assistantships are available in various departments and service areas to qualified students. Stipends vary depending upon the student's qualifications and duties assigned. Information about the GA program may be found at the following website: <http://www.wku.edu/graduate/index.php?page=ga-program>.

## **GENERAL INFORMATION**

### **Academic Year**

The University provides a year-round instructional program consisting of the fall and spring semesters and a summer term. WKU also offers a winter term, three summer sessions, and bi-term courses during the fall and spring semesters.

### **Registration Procedures**

Information regarding registration dates and procedures is published in each semester's schedule bulletin, which can be obtained from the Office of the Registrar. Registration is available through TopNet, Western's online registration system, to students who (1) have been admitted for the term, or (2) have been enrolled continuously, or (3) have been enrolled in any one of the previous three terms prior to the one for which the student is registering. Students who have not been enrolled for three or more consecutive terms (including the summer term) or who were previously admitted, but did not enroll, should contact the Office of Graduate Studies and Research.

### **Schedule Changes**

The University reserves the right to cancel any course having insufficient enrollment to justify its continuation. Other adjustments in the schedule may be made when necessary.

### **Withdrawal from the University**

For various reasons a student may withdraw from the University. In such cases the student should report to the Office of the Registrar to initiate the withdrawal procedures or may withdraw via TopNet. 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 at the institution. Students withdrawing after the eighth week of the semester or the fourth week of a bi-term or comparable period during the summer session must consult with their instructors as to the withdrawal grade. The official date of the withdrawal is the date written notification is received in the Office of the Registrar. Students wishing to return to Western at a later date must submit an application for readmission.

### **Student Schedule Changes**

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 if such changes involve entering other classes. Courses not meeting at least twice during the first six class days may be added through, but not past, the day of the third class meeting.

During a semester, a student may withdraw from a course with a grade of W or F under the following conditions:

- A. A student is permitted to withdraw from any course with a grade of W through the 8th week of class.
- B. After the 8th week of class, any student dropping a course receives an automatic grade of 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 circumstances:

- A. A student is permitted to withdraw from any course with a grade of W through the 4th week of class;
- B. After the 4th week of class, 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.

### **Division of Extended Learning and Outreach (DELO) & Regional Campuses**

The WKU Division of Extended Learning and Outreach (DELO) delivers quality credit and non-credit educational opportunities to individuals, organizations, and the public using flexible and accessible formats. Recognizing the challenges of today, DELO (a centralized administrative unit) partners with University faculty, departments and colleges to meet the diverse needs of WKU's local, regional and virtual communities in responsive and engaging ways.

DELO units work separately and together to support the mission of the University:

- Carroll Knically Conference Center
- Center for Training and Development
- Cohort Programs
- Continuing Education
- Dual Credit (high school students only)
- Independent Learning

- Marketing
- Summer Sessions / Winter Term
- WKU/Elizabethtown-Radcliff-Ft. Knox Regional Campuses
- WKU/Glasgow Regional Campus
- WKU/Owensboro Regional Campus

Go to our website <http://www.wku.edu/delo> for more information on DELO or any of our individual programs.

Many courses are offered in each of the three WKU Centers and in other service locations. Registration is available through TopNet, Western's online registration system. Admission information, registration materials, and course offerings are available at each of the WKU Centers. Any questions may be directed to the appropriate WKU Center.

**Elizabethtown/Radcliff/Ft. Knox Campus**

<http://www.wku.edu/etown-ftknox/>  
 (270) 769-1614 Elizabethtown  
 (270) 766-5133 Fax  
 (270) 351-1192 Radcliff  
 (270) 745-5079 Fax  
 (502) 942-8381 Ft. Knox  
 (502) 745-5079 Fax

**Glasgow Campus**

<http://www.wku.edu/glasgow/>  
 (270) 651-6399 Office  
 (270) 745-5080 Fax

**Owensboro Campus**

<http://www.wku.edu/owensboro/>  
 (270) 684-9797 Office  
 (270) 684-0104 Fax

**EXPENSES AND FEES**

For information on expenses and fees, please contact the Bursar's Office at (270) 745-6381 or visit the following website: <http://www.wku.edu/bursar/>. Quoted tuition and fees are based upon the 2010-2011 academic year and are subject to change by the Kentucky Council on Postsecondary Education or Western Kentucky University.

<b>Graduate Tuition Fall 2010</b>	<b>Full-time*</b>	<b>Part-time Per Credit Hour</b>
Resident	\$4,160.00	\$416.00
Non-Resident (Domestic)	\$4,610.00	\$461.00
Non-Resident (International) †	\$9,550.00	\$506.00
Graduate Distance Learning Course ‡		\$499.00

\*A minimum of nine (9) graduate hours during fall or spring semester is required for classification as a full-time student.

†The full-time, non-resident, international graduate tuition and fees rate will be assessed at a total of \$8,487. The University will award a \$4,150 graduate, non-resident scholarship for full-time, non-resident, international graduate students.

‡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.

**Educational Leadership Doctoral Program**

The tuition rate for the program is based on graduate tuition rates. *Additionally there is a course fee per credit hour for students in the program.* The current course fee is \$1,200 per semester for 6 or more hours, \$600 for less than 5 hours. This program fee is constant for each class (cohort) admitted for three years. It is anticipated that students can complete the program in three years based on a 45-60 hour program. A per credit hour fee is charged for review and assessment of experience and transfer credit. For additional information about these fees, please contact the Office of Doctoral Studies at (270) 745-3061.

**Out-of-State Tuition Waiver**

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. For additional information, students may contact the Office of Graduate Studies and Research.

**Alumni Grant Program**

An alumni grant is available to any qualified non-resident student whose parent, stepparent, or grandparent holds an associate, baccalaureate, masters, or specialist degree or has completed a certificate program from Western Kentucky

University. Tuition for qualified students will be assessed at 1.25 times the corresponding full-time resident rate. For qualifications, requirements, and procedures, students may contact the Office of Graduate Studies and Research.

#### **Application Fee**

A first-time WKU graduate applicant is charged a non-refundable application fee presently set at \$40.00. Previous WKU graduate applicants are not subject to this fee. This fee is subject to change at any time without prior notice. Under no circumstances will this fee be refunded (e.g., a student is not admitted into the program).

#### **Course Fees**

Some courses require a course fee. These fees are non-refundable after the University's refund policy is less than 100%. All fees are per course unless otherwise noted. Refer to the University's schedule bulletin for a current listing of all course fees.

#### **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.

#### **Auditing Course Fee**

All students who audit a course are charged the same fee that they would pay if they took the course for credit.

#### **Graduation Fee**

Candidates for graduate degrees must complete the Application for Graduation available through TopNet under Student Services and pay the appropriate fee. This fee will cover the cost of cap, gown and hood, diploma and other necessary expenses. The Application for Graduation should be submitted according to the dates established by the Registrar for each semester. Applications not received by the Registrar's Office by the due date will result in the omission of the student's name from the graduate ceremony bulletin.

Degrees are conferred for fall graduates in December, for spring graduates in May, and for summer graduates in August. Any degree requirements completed in the May/June/July summer sessions will result in the student receiving the degree in August. Any degree requirements completed during the Winter term will result in the student receiving the degree in May.

Commencement ceremonies are held in May and December. August graduates may participate in either the preceding May or following December commencement ceremony.

#### **Transcript Fees**

Official WKU transcripts may be ordered by any of the following methods: mail, TopNet, fax, or in person. Contact the Office of the Registrar at (270) 745-5448 or visit the following website for additional information: <http://www.wku.edu/Dept/Support/AcadAffairs/Registrar/transcript.htm>.

#### **Parking Fees**

Students who register a vehicle should refer to *WKU Student Handbook* for vehicle regulations and assessments. Parking rules and regulations are distributed at the time of parking permit purchase. Contact the Parking and Transportation at (270) 745- 2361 or visit the following website for additional information: <http://transportation.wku.edu/>.

#### **Fee Payment**

All registration fees, housing fees, course or laboratory fees, meal charges, student health service charges, and other assessments, fees and charges are due and payable in accordance with the statements rendered by the appropriate University office.

Registration and housing fees must be paid on the date a student registers or on other dates as specified by the Office of the Bursar. Students who do not make payment of required fees are not registered students.

The University offers a deferred payment plan, which is available for the fall and spring semesters. Fifty percent of the amount due for tuition, fees, housing and meal plans, plus a contract service fee, must be paid by the due date indicated on the bill. The student must sign a Deferred Payment Contract in the Bursar's Office or obtain the form from the WKU Tuition and Fees website. The remaining tuition and fees will be billed with the due date of October 15 for the fall semester or March 15 for the spring semester. A late fee of \$100 will be charged for failure to pay the balance by the due date. Students who fail to pay the balance will be obligated and not allowed to register for another semester or receive a transcript. A payment plan is not offered for the summer term.

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. A student who fails to meet a financial obligation within ten (10) days after the date of 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 Registrar. After the Registrar has been notified that a student is delinquent, the

Registrar shall not allow the student to register or obtain an official transcript until the 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. Class schedules will be cancelled for students who fail to pay or make arrangements to pay by the due date on the statement rendered by the University. A late payment charge of \$100 may be assessed. Failure to receive a bill does not relieve the student of the obligation to pay tuition and fees by the due date.

***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 incurred by the University.***

### **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 schedules below. The refund percentage is applied to the number of credit hours dropped, not the dollar amount of the tuition and fees assessed.

**To calculate a refund:** Multiply the refund percentage by the number of hours dropped. This number is subtracted from the student's current liable hours.

For more information visit <http://www.wku.edu/bursar/refund.html>.

### **RESIDENCY**

The determination of residency for admission and tuition assessment is governed by state regulation 13 KAR 2:045. The regulation can be reviewed on the Kentucky Council on Postsecondary Education website at [www.cpe.state.ky.us/policies/policies\\_student\\_residency.asp](http://www.cpe.state.ky.us/policies/policies_student_residency.asp). Enrolled students may contact Graduate Studies & Research for additional information.

### **ADMISSION**

#### **Application and Fee**

Students seeking a graduate degree must apply for admission by completing the online graduate application available on the Graduate Studies website at <http://www.wku.edu/graduate/>.

**All students seeking admission into a graduate degree program should submit the Graduate Studies application by the following dates:**

**Fall Semester: June 15**

**Spring Semester: November 15**

**(Some programs have earlier dates for application submission.)**

Application and all supporting materials (e.g., transcripts, GRE/GMAT, teaching certificate) need to be received in Graduate Studies by the above dates to ensure adequate time for departmental review. To be eligible for any type of financial aid or a graduate assistantship, students must be admitted in good standing to a degree program. Non-degree seeking students are ineligible for financial aid and graduate assistantships.

#### **Transcript Record**

Graduates of accredited institutions other than Western Kentucky University must request that one official transcript showing the completed undergraduate degree be sent to Western Kentucky University. The transcript must be forwarded from the college or university registrar **directly to the Office of Graduate Studies and Research** at 1906 College Heights Blvd., #11010, Bowling Green, KY 42101. Applicants who have not completed the undergraduate degree are required to submit one official transcript at the time of application and one official transcript upon completion of the degree. Transcript records should be submitted for any graduate and undergraduate courses taken at any institution other than WKU. ***Transcripts sent to Graduate Studies become the property of the University and will not be returned to the student under any circumstances nor will a copy of the transcript be given to the student.***

#### **Standardized Examination Scores**

Most degree-seeking students must submit appropriate standardized test scores regardless of their undergraduate grade point average. Most degree programs require the Graduate Record Examination (GRE) General Test. The Master of Business Administration requires the Graduate Management Admission Test (GMAT), and the Master of Arts in Leadership Dynamics, accepts either the GRE or GMAT.

As of October 1, 2002, the GRE General Test is comprised of the verbal and quantitative sections and an analytical writing assessment. For programs that require standardized test scores, the scores must be received by the Office of Graduate Studies and Research prior to admission. The admission decision will be based upon both the undergraduate transcript grade point average and the GRE or GMAT score in its entirety.

Registration materials for the GRE and GMAT are available at the Counseling and Testing Center, the Office of Graduate Studies and Research, <http://www.gre.org>, or <http://www.gmat.org>, or by calling 1 (800) 473-2255.

A student who has earned a master's degree from an accredited institution in a field related to the desired area of study may use this in place of the GRE General Test. Each department has the discretion to approve this exception to the GRE requirement.

### **GAP Score**

Except where otherwise noted in the program descriptions, admission decisions are based upon both the undergraduate grade point average and the GRE General Test score. The GAP score is the sum of the GRE Verbal & Quantitative scores times the overall undergraduate grade point average. For example, a GRE score of 800 (Verbal + Quantitative) and a grade average of 3.5/4.0 would produce a GAP score of 2800. Because GAP is a product of both the GRE score and undergraduate grade point average, both the GRE and transcript record are essential for making an admission decision. The GRE General Test also includes a writing component; some programs have established a minimum Analytical Writing score requirement. Most programs require a GAP score of 2200 (individual degree programs may be higher). Previous graduate course work does not have any bearing on admission requirements, i.e., GAP score calculation. Students who took the GRE General Test prior to October 1, 2002, must have a GAP score of 3500 or better. This GRE General Test consisted of verbal, quantitative, and analytical sections, and in this case the GAP score is generated by the sum of the three parts of the GRE times the overall undergraduate grade point average.

### **GMAT Score**

Admission decisions for the Master of Business Administration are based upon the scores of the Graduate Management Admission Test. The requirements for general admission to the MBA program are a 500 total GMAT test score and an undergraduate GPA of 2.75.

### **ADMISSION REQUIREMENTS**

*Individual programs may have more stringent requirements than the Office of Graduate Studies, but all students must meet the minimum Graduate Studies requirements to be considered for admission.*

### **Master's Degrees**

Applicants for a master's degree program must have:

- A. Submit the completed application, along with the current non-refundable application fee by the admission deadline;
- B. Provide an official transcript to document receipt of a bachelor's degree from an accredited college or university (Applicants from non-accredited institutions see *Applicants from Non-Regionally Accredited Institutions*);
- C. Have adequate preparation in the field of specialization;
- D. If they hold teacher certification or have a statement of eligibility for certification, submit a copy of the current teaching certificate or statement of eligibility; and
- E. Document qualifying standardized test scores and/or undergraduate GPAs as required in the programs to which they are applying.

### **Specialist Degrees**

Applicants for a specialist degree program must:

- A. Submit the completed application, along with the current non-refundable application fee by the admission deadline;
- B. Hold a master's degree from an accredited college or university (Ed.S. in School Psychology does not require applicants to hold a master's degree);
- C. Have adequate preparation in the proposed field of specialization;
- D. Submit a copy of a current teaching certificate (this requirement applies to applicants to the Ed.S. in Elementary Education, Secondary Education or School Administration);
- E. Document qualifying GRE scores - no less than 850 on the GRE General Test Verbal and Quantitative sections and a Writing Score of 4.0 or have a grade point average of not less than 3.5 on the course work for the master's degree program; the specialist degree in School Administration requires a 3.5 GPA and 850 GRE score) and
- F. Submit three letters of recommendation from graduate faculty and professional associates.

### **Doctoral Degree**

Applicants for the EdD must:

- A. Hold a master's degree in a related field;
- B. Submit the following: completed application and non-refundable application fee, academic transcripts, GRE/GMAT scores, personal statement of goals and rationale for graduate study; current resume/vitae, completed leadership self-study survey, and three letters of recommendation.

### **Graduate Certificate Programs**

Students may apply to a graduate certificate program; however, admission or completion of a graduate certificate does not guarantee admission to a graduate degree program. Admission to pursue a graduate certificate is based upon a bachelor's degree and adequate preparation in the area of study. A maximum of 12 hours of graduate certificate course work, if appropriate, may subsequently be applied toward graduate degree requirements.

### **Applicants from Non-Regionally Accredited Institutions**

Graduates of non-regionally accredited, four-year educational institutions may be considered for admission to a master's degree program with adequate preparation in the field of specialization and a minimum of 40 hours of general education course work, including the following:

1. At least 6 semester hours (or the equivalent) in each of the areas of communication, humanities, and natural science.
2. At least 12 semester hours (or the equivalent) in social and behavioral studies, including history.
3. At least 2 semester hours (or the equivalent) in mathematics or logic.

### **Transient Students**

Students working toward a degree at other institutions must complete an Application for Admission and pay the required application fee, but are not required to submit transcripts. Instead of official transcripts, they must submit a letter from the graduate dean of the degree-granting institution verifying good standing status to the Office of Graduate Studies at WKU *prior* to enrollment.

### **Non-Degree Seeking Students**

Students not seeking a graduate degree must submit an Application for Admission along with the current application fee and, if not a WKU graduate, submit all transcripts from colleges attended to the Graduate Studies Office. Should the non-degree seeking student later apply for and be granted admission into a degree program, no more than 12 hours taken while in the non-degree category may be used to fulfill degree requirements. Non-degree seeking students are not eligible for financial aid or graduate assistantships.

### **International Students**

Applicants who are not U.S. citizens must submit the following materials for admission:

1. Properly completed International Application for Admission and current application fee,
2. An official transcript indicating completion of a baccalaureate degree (or the equivalent);
3. GRE General Test Score if required by program or GMAT score (if seeking admission to the MBA program);
4. Evidence of ability to communicate in English;  
(A minimum of 550 on the paper based TOEFL, a minimum of 213 on the computer based TOEFL, a minimum of 79 on the iBT TOEFL, or a minimum of 6.0 on the IELTS); and
5. Evidence of adequate financial resources.

After the international student has submitted these application materials, evaluation is made within the department offering the degree program. ***Official transcripts sent to WKU will not be returned to the student for any reason.*** Students wishing to keep an official transcript should request two copies from the undergraduate institution.

International students must participate in orientation the week prior to the beginning of the semester of admission. Students found to be deficient in English skills must take remedial course work. Health insurance must be purchased upon arrival at the University. For additional information, contact the Office of International Student and Scholar Services at (270) 745-4857.

### **Senior Citizens**

A senior citizen (65 years or older) who holds a bachelor's degree may be admitted to Graduate Studies as a Special Student. Upon completion of 12 hours of course work in a degree program with a minimum grade point average of 3.0, the student may be admitted to that degree program.

### **Alternate Admission for Master's Degree**

Applicants who do not meet admission requirements may pursue alternate admission. In that process, the admission decision may be based upon consideration of accomplishments and qualifications as evidenced by a professional portfolio consisting of the record of vocational attainment and recognition; a statement of goals indicating commitment to pursue graduate education; letters of support from instructors, co-workers, or work supervisors; scholarly papers and/or projects; and any other supportive materials. This additional information is considered by an academic college alternate admission committee and may result in one of three recommendations: full admission to Graduate Studies; conditional admission (full admission to be based upon performance in specified undergraduate/graduate course work); or denial of admission. Some departments may have more specific guidelines on alternate admission materials.

Appeal requests for admission requirements for the specialist or doctoral degree program should follow the procedure outlined above for the master's program.

### **Second Master's Guidelines**

The student who wishes to earn a second master's degree from Western Kentucky University must apply for and gain admission to the new program and satisfy all requirements (specific course work, research tool, thesis, etc.) for the new degree. No more than 12 hours of previous course work, whether transferred from another university, from the previous master's degree at Western (or a combination of the two) or as a non-degree seeking student at WKU may be used to fulfill program and research tool requirements. Any course work used must be earned within the six years allowed for the second master's degree program.

### **Seeking Dual Degrees**

Students may not seek two degrees (master's, specialist, or doctorate) simultaneously nor may they pursue a master's or Rank I at the same time. A student may, however, pursue a certificate (i.e., Women's Studies Certificate, Leadership Studies Certificate, etc.) along with a graduate degree program.

### **Academic Common Market**

Kentucky, along with 12 other southern states, participates in the Academic Common Market—an interstate agreement for sharing non-duplicative academic programs. Selected graduate programs are included in this cooperative arrangement. A Kentucky resident who has gained admission into one of these selected out-of-state programs can enroll and pay the respective state's resident tuition. A listing of the programs is available from the Director of Undergraduate Admissions.

### **Program Residency**

Graduate Studies and Research does not have a residency requirement for completing a graduate degree. WKU courses offered by distance education are considered resident credit.

## **GRADUATE PROGRAM INFORMATION**

Graduate Studies & Research  
Wetherby Administration Building 207

(270) 745-2446 Office  
(270) 745-6950 Fax

Additional information about degree programs may be obtained from the department offering the degree.

### **Privacy Policy**

Graduate Studies and Research will not disclose information to a third party regardless of association to the student (e.g., spouse, parent, friend, or other family member) without signed, written permission from the student. This is to protect the student's identification and ensure student information is not misused in any way.

### **Course Load**

In general, the number of semester hours of credit that may be earned during a given term may not exceed the number of weeks of instruction. During a regular semester, the course load for a full-time graduate student is 9-15 hours with 9 being the minimum and 15 the maximum. Students are discouraged from requesting approval of a course overload.

Graduate assistants may carry a course load of 9-12 hours during each semester while holding an assistantship appointment.

### **Course Numbering**

#### **500 to 800**

Courses numbered 500 and above are open to graduate students only.

#### **400G**

Upper division undergraduate courses numbered at the 400-level and have a "G" designation (e.g., ENG 401G) may be taken for graduate credit. In these courses, graduate students are expected to complete additional course requirements as prescribed by the instructor. However, a student who has taken a particular 400-level course may not repeat that same course for 400G level credit. A maximum of 12 hours of 400G courses may be applied to the master's degree. Neither specialist nor doctoral degree candidates may not use any 400G-level courses to fulfill degree requirements.

#### **400 and below**

Courses numbered at the 400-level or below cannot be taken for graduate credit. Courses of this nature are counted in a student's overall GPA, but will not affect the student's degree GPA.



### Course Descriptions

Course descriptions may be found in the back of the Graduate Catalog and are available through TopNet. To view a course description, go to TopNet from Western's homepage Quick Links. Once at the TopNet Registration homepage, select *Course Catalog* then *View Course Descriptions*. To choose a course, locate the department in the drop-down menu and select *Go*, then choose the course number and select *Go*.

### Time Limitation for Completion of Degree

All requirements for graduate degrees must be completed within six years from the date the first course is taken. Failure to complete a degree in six years will result in the loss of all credits taken outside of the time limit. Students may request an extension to be approved by the Dean of Graduate Studies and Research. Extensions are considered on a case-by-case basis, and a student is not guaranteed approval. All records are purged after six years from the date of last enrollment at the university or degree completion.

### Credit Prior to Program Admission

The total number of credits master's and specialist degree students may apply to their degree program from credits earned prior to admission to the program (courses taken during the senior semester, unclassified status courses, transfer courses, previous master's courses, previous certificate courses) may not exceed twelve (12) hours. EdD students may count up to 15 hours of previously completed courses toward their degree programs.

### Transfer Credit

A maximum of 12 transfer credits may be used in any master's or specialist degree program, and up to 15 transfer credits may be permitted in the EdD program. However, some programs have more restrictive policies regarding the number of hours that will be accepted in a particular program. In any case, the following requirements must be met:

1. The credit(s) must have been earned at an accredited graduate institution.
2. The course work to be transferred must be properly designated as having been taken for graduate credit.
3. The grade point average must be at least 3.0 (4.0 scale) on all graduate course work appearing on the transcript before specific courses can be transferred.
4. Additionally, the courses to be transferred must carry a grade of 3.0 (4.0 scale) or better.
5. Credits earned during a given term must not exceed the number of weeks of instruction and must have been earned within the six-year time limit for degree completion.
6. Any course(s) to be transferred must be appropriate for degree completion.
7. At least 12 hours in the major area and at least 6 hours in the minor area must be taken at Western.

*The "Transfer Credit Practices" report published by the American Association of Registrar's and Admissions Officers is the reference used in evaluating credits.*

Transfer credits taken during the final semester of a program will delay program completion until official transcripts have been received in the Office of Graduate Studies and Research. In cooperative or joint programs with other universities, credits earned in the program at these institutions are not considered transfer credits. A majority of credits applied toward certificate requirements must be earned at Western.

### Independent Study Courses

A maximum of 6 hours of workshops, independent studies, special problems, individual special topics, and readings in the discipline may be used on any degree program.

### Graduate Advising

Upon admission to a graduate program, each student is assigned a major advisor from the graduate faculty in the respective department. 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 be thoroughly familiar with all rules, regulations, and requirements pertaining to graduate study.*

### Readmission

If a graduate student is not enrolled in the semester in which he or she initially applied or have not enrolled in more than three semesters, the student must be readmitted. A Readmit Form may be obtained from the Office of Graduate Studies or via email at [graduate\\_studies@wku.edu](mailto:graduate_studies@wku.edu). Once admitted to a program or enrolled in courses, a student may complete a readmission application online at the following website:

[https://acsapps.wku.edu/pls/prod/twbkwbis.P\\_GenMenu?name=wkumenu.P\\_GradReAdmUnsecMnu](https://acsapps.wku.edu/pls/prod/twbkwbis.P_GenMenu?name=wkumenu.P_GradReAdmUnsecMnu).

### Program of Study (Form B/C)

All degree-seeking students must submit a planned program of study (Form B/C) to the Office of Graduate Studies and Research within the first semester (or up to 12 credit hours) of course work (inclusive of transfer credit). The degree program is to be developed in consultation with and approved by the advisor(s) assigned at the time of admission. If a program of study is not on file with the Office of Graduate Studies and Research, a student will not be permitted to enroll in a second semester or beyond 12 hours of courses (whichever comes first). Removal of this hold

is contingent upon receipt and approval of the program of study (Form B/C). No exceptions will be made regarding this matter.

All degree programs must be reviewed and approved in the Office of Graduate Studies and Research. Students in education graduate programs must have degree programs approved by the Teacher Certification Officer prior to submitting the program to Graduate Studies. The total number of credits master's and specialist degree students may apply to their degree programs from credits earned prior to admission to the program (courses taken during the senior semester, unclassified status courses, transfer courses, previous master's courses, previous certificate courses) may not exceed 12 hours; EdD students may apply up to 15 hours of previously-completed course work.

Non-degree education programs are reviewed and approved in the Office of Teacher Certification. Students entering the planned fifth-year (Rank II) or sixth-year (Rank I) professional education programs must have an approved program of study on file in the Office of Teacher Certification. These planned programs lead to the Rank II or Rank I salary classifications as recognized by the Kentucky Department of Education. The approved program must be on file before a letter certifying completion of hours can be sent to the appropriate board of education.

### **Course Substitutions**

Any change in the approved program of study must be specified on a Course Change Form, approved by the advisor and the Teacher Certification Officer (if applicable), and submitted to Graduate Studies for final approval. Course changes include the addition or deletion of a course, the substitution of a transfer course, or substitution of another course offered by Western for a course on the program. The final approval should be obtained prior to enrollment in the course(s) affected by the requested course change.

### **Change of Program**

Students who wish to change from one program of study to another must apply for readmission by completing a new graduate application or readmit application. Admission to the desired program must be gained, and such admission constitutes a new date of admission. The advisor(s) assigned to the new program will evaluate any previously-taken courses for their applicability to the new program. Students may submit a change of program online at the following website:

[https://acsapps.wku.edu/pls/prod/twbkwbis.P\\_GenMenu?name=wkumenu.P\\_GradReAdmUnsecMnu](https://acsapps.wku.edu/pls/prod/twbkwbis.P_GenMenu?name=wkumenu.P_GradReAdmUnsecMnu).

## **GRADUATE STUDIES POLICIES AND PROCEDURES**

### **Grading and the Quality Point System**

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

**A** – Excellent, four quality points per semester hour

**B** – Good, three quality points per semester hour

**C** – Average, two quality points per semester hour

**D** – Below Average, Unsatisfactory, one quality point per semester hour

**F** – Failure, no semester hours earned and no quality points

**P** – Pass, credit is awarded towards 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" (incomplete) 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" received by a graduate student, with the exception of thesis courses or similar projects, will automatically become an "F" unless removed within twelve (12) weeks of the next full term (summer term excluded). An incomplete must be removed within this twelve-week period regardless of whether the student is registered for additional work in the next term. A student should work with the instructor who assigned the incomplete on an independent basis to complete the necessary assignments. The grade of "X" will continue to appear as the initial grade on the student's transcript, along with the revised grade. A grade of incomplete is not used under any circumstances as a substitute for "F" or "W".

The designations of 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 below for additional information).

**W** – Officially withdrew

**NR** – No report. Grades for an entire class were not received by the Office of the Registrar in time for processing. The designation "NR" is not to be used as a grade for individual students.

**ER** – Error in reporting. This designation is used by the Office of the Registrar when a grade is not reported for an individual student.

**NG** – No grade. A grade is not appropriate to the course. The "NG" designation is restricted to specific courses approved for its use.

**IP** – In Progress. The IP designation is restricted to specific courses designed to span more than one term. Unless approved otherwise, an IP designation unresolved at the end of one year after its assignment will be converted to an F.

### **Auditing of Courses**

An auditor is one 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.

### **Recording of Grades**

Grades are recorded in the Office of the Registrar as reported by the faculty at the end of each term. No grade filed in that office may be changed except 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.

### **Grades**

Candidates for graduate degrees and/or certificates are required to maintain a combined average grade of B (3.0 grade point average) in all course work. Grades lower than a C may not be used in meeting degree or non-degree requirements. 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 (courses on approved Form C) and overall cumulative GPA will not be awarded a degree or certificate.

### **Graduate Academic Probation and Dismissal**

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 both the major and the cumulative (overall) GPA to earn a degree or certificate. If a student's overall GPA falls below 3.0, the student will receive a letter of academic warning informing the student that the GPA is below 3.0. The student will have one additional full-time semester or the equivalent (9 hours) to remove the academic probation by attaining a 3.0 cumulative GPA. If the GPA remains below a 3.0 after completing the one semester of full-time course work or the equivalent (9 hours), the student may not register for any additional graduate credit at WKU and will be dismissed from the graduate program. Students placed on academic probation are not eligible for graduate assistantship appointments.

Any student failing to obtain the required 3.0 GPA after the probationary period who wishes to be readmitted to Graduate Studies must submit a written academic plan detailing how the required GPA can be obtained. The request for readmission must have the support of the graduate faculty in the academic program before being reviewed/considered in Graduate Studies. This request for readmission must be submitted with a new application following the semester of academic probation. Each case will be reviewed by the Dean of Graduate Studies and Research for a determination regarding readmission to the desired academic program. If they are accepted for readmission to the program, readmitted students will have one full-time semester or the equivalent (9 hours) to remove the academic probation by attaining a 3.0 cumulative GPA. Please note that each program reserves the right to apply more restrictive requirements to graduate students regarding probation and dismissal.

### **Dismissal**

Graduate students may be dismissed from the program for having failed twice the final comprehensive examination for the graduate degree. A graduate student may also be dismissed from the graduate program if the overall GPA, as a graduate student, (including graduate and undergraduate course work) falls below 3.0 as described in the academic probation section above.

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.

### **Repeating a Course**

A course in which a student has received a passing grade (C or better) may not be repeated for the purpose of raising the grade. If a course is repeated in which a passing grade was received, the course credit(s) will only count once toward the program and both grades will be used in calculating the GPA. A course in which a grade of D or F is received must be repeated if the course is used in meeting degree requirements. When the course is repeated, the course credit(s) will only count once toward the program and both grades are used in calculating the GPA. If the course is not being used to fulfill degree requirements it may be repeated and both grades are used in computing the overall grade point average. *In graduate education, grades are not replaced by repeating courses.*

### **Research Tool Grades**

For those students who choose programs that allow course work in lieu of the foreign language requirement, a minimum grade of B must be attained for the research tool. The research tool is included in the grade point average. Research tool requirements must be met prior to attaining admission to candidacy. The research tool should be completed within the first 15 hours of the graduate program.

### **Foreign Language Examination**

Students may choose to complete the research tool requirement by taking a foreign language examination. The foreign language application must be filed and approved *prior* to the completion of the examination. Applications for the foreign language examination are available in the Office of Graduate Studies and Research or in the Department of Modern Languages & Intercultural Studies.

### **Admission to Candidacy (Form D)**

Admission to candidacy is a traditional component of graduate study, the purpose of which is to provide a planned, formal review of the student's progress toward the specified program of study. The review enables the student, in consultation with appropriate University officials, to make warranted changes in the program. Admission to candidacy should be an expression of confidence that the student will (with appropriate, continued effort) be able to complete all requirements for the degree.

All degree-seeking graduate students must apply for and be admitted to candidacy by submitting an Admission to Candidacy Form (Form D) to the Office of Graduate Studies. *Admission to Graduate Studies and Research and admission to candidacy are two separate procedures.* Students seeking master's or specialist degrees should submit a Form D *before* the completion of 21 credit hours and *after* completing at least 15 hours of course work and, if applicable, completing the research tool and removing any deficiencies with a grade of A or B. The Form D *MUST* be submitted no later than one semester *prior* to the intended semester of planned degree completion. Failure to meet the filing deadline for the Form D may delay graduation by at least one semester.

Students who have not filed a Form D prior to the completion of 21 hours of course work are subject to a registration hold. This hold will not be removed until the Form D is signed by the major advisor, and received in the Graduate Studies office. Failure to complete this requirement can delay graduation by at least one semester.

Once an EdD student has completed 30 hours, s/he should apply for the qualifying exam with the department. This application is to be completed by the doctoral student and dissertation chair at, or prior to, the completion of thirty (30) required core credits. Once the student completes the qualifying exam the student may apply for and gain admission to candidacy. Admission to candidacy should occur no later than the semester prior to your final semester of course work.

#### **Admission to Candidacy requirements:**

1. An approved program of study,
2. Removal of any deficiencies or conditions for admission,
3. Attainment of at least a 3.0 grade point average on all graduate course work and at least a 3.0 overall GPA at the time of admission to candidacy,
4. Completion of the foreign language examination or research tool as specified for the program, and
5. Approval of the major advisor and Dean of Graduate Studies and Research.

Note: Master's or specialist degree students who enroll in 12 to 15 hours of course work (applicable to their approved degree programs) during their first semester should submit their applications for candidacy (Form D) to the Office of Graduate Studies at the end of that semester; Ed.D. students should submit their applications for candidacy after the complete the requirements to be admitted as a candidate for the degree.

### **Comprehensive Examination**

All graduate degree programs require that either a written or an oral examination be satisfactorily completed, or that an approved capstone course be successfully completed. For students in master's degree programs with thesis (Plan A), an oral defense of the thesis is required. For doctoral students, an oral defense of the dissertation is required. Students must meet the following guidelines before they are permitted to attempt the comprehensive examination:

1. Gain admission to candidacy (Form D on file with Graduate Studies and Research)
2. Complete at least one half of the course work in an approved program minor (if applicable),

3. Have no more than nine hours remaining on the approved program, and
4. Complete any additional requirements as specified by faculty in the department in which the program is housed.

The major advisor or dissertation chair, in consultation with the student, appoints the oral examination committee consisting of three graduate faculty members. If the student's program includes a minor, or a significant amount of course work in an area outside the major, one of the committee members must represent that area. The chairperson will notify Graduate Studies of the results of the examination by sending a Comprehensive Examination Report (Form E). The department or dissertation chair is responsible for turning in the results of the examination to Graduate Studies. Failure to receive the Form E can delay graduation by at least one semester. Form E's will not be accepted by students.

### **Undergraduate Seniors Earning Graduate Credit**

Undergraduate seniors at Western may enroll in graduate course work (i.e., courses requiring graduate standing) during their final semester provided they meet the following conditions:

1. Admission requirements (see Standard Examination Scores for admission to graduate studies and to the program of interest) except for completion of the bachelor's degree,
2. Make formal application to graduate study (Form A should be submitted to Graduate Studies at least four weeks prior to the beginning of the semester),
3. Seniors lacking no more than 9 hours to complete a bachelor's degree may enroll in a maximum of 6 hours of graduate credit. Seniors lacking no more than 12 hours may enroll in a maximum of 3 hours of graduate credit.
4. Carry a final semester course load of no more than 15 hours (combined undergraduate and graduate hours), and
5. Do not, in any way, attempt to apply the graduate course(s) to the undergraduate degree.

Students wishing to pursue graduate credit must file the appropriate paper work, which can be obtained in the Office of Graduate Studies and Research. Requests for enrolling in graduate courses will not be considered without this form.

### **Thesis and Specialist Project Committees**

Students pursuing graduate programs requiring the thesis or specialist project are assisted by a thesis or specialist project committee. The student in conjunction with the thesis chairperson selects at least two additional graduate faculty members.

In some cases, an individual who is not a part of Western's faculty may be asked to serve on a thesis or specialist project committee. Prior to this service, such an individual must qualify and be recommended for adjunct membership on Western's graduate faculty. An individual who has expertise in a pertinent area, but who does not meet the requirements for appointment to regular or associate membership on the graduate faculty, may serve as a fourth member of the committee with approval of the Dean of Graduate Studies.

### **Thesis, Specialist Project , or Dissertation**

The program of a student pursuing the master's thesis or specialist project must contain 6 hours of credit in 599-Thesis Research and Writing or in 699-Specialist Project. Students in the Doctor of Educational Leadership program must have 12 hours of credit in EDAD 799-Dissertation Research.

The thesis/project must be submitted to the Office of Graduate Studies following approval by the student's committee members. Contact Graduate Studies and Research for semester dates.

Instructions and requirements for preparing, submitting, and distributing the thesis or specialist project are given in the *Guidelines for Master's Theses and Specialist Projects*. Copies are available in the Office of Graduate Studies or on the website. *It is the student's responsibility to obtain and comply with these guidelines.*

### **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 until the thesis or project has been submitted and approved. To maintain matriculation, the student must register for 600 (thesis), 700 (project), or 800 (dissertation) during any semester or summer term in which he/she will be actively pursuing the thesis/project or will be submitting it for approval. Enrollment in matriculation courses does not result in a grade or credit toward any degree or non-degree program.

### **Posthumous Degree Policy**

WKU recognizes the significance of acknowledging distinguished student achievement at all times, including following the tragic death of student who has made considerable progress toward the completion of a degree and remained in good academic standing with the University.

A student who dies while actively pursuing a graduate degree may be considered for a posthumous graduate degree if he or she is in good academic standing at the time of death, maintained a 3.0 grade point average or better in the program of study, and had obtained Candidacy plus completed 75% of their program requirements for the Master's degree. The student may be nominated for posthumous degree recognition by the Chair of his/her department.

A request for an awarding of posthumous degree recognition shall be approved by the Dean of Graduate Studies, the Provost and the Vice President of Academic Affairs.

In the event it is determined that a graduate student did not meet the above requirements for a degree, a “posthumous certificate of recognition” may be awarded, if appropriate, by the Provost and Vice President of Academic Affairs. The certificate recognizes a student’s progress toward the attainment of a degree. The certificate will be noted on the student’s transcript.

#### GRADUATION CHECKLIST

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- Approved degree program (Form B/C) on file**
- Approved for Admission to Candidacy (Form D)**
- Any and all course changes made to the degree program**
- All transcripts for transfer credit received and approved**
- Successful completion of all course work for the program**
- Thesis/Specialist Project/Dissertation submitted and approved by all committee members**
- Successful completion of the comprehensive examination or capstone experience**
- Report on Comprehensive Exam/Capstone (Form E) received by Graduate Studies and Research**
- Application for Graduation/fee received in the Registrar’s Office**
- All grades posted on transcript**

**Note:** The Registrar’s Office has 6 to 8 weeks after the end of the semester to post degrees and mail diplomas to all graduating students. Failure to submit all required documents by university deadlines may result in delayed graduation.

**The Graduate Studies and Research office does its best to notify students of missing requirements; however, it is the responsibility of the student to file all paperwork as specified by the guidelines set forth in this catalog. Failure to do so will result in delays of official degree completion.**

## *College of Education and Behavioral Sciences*

Sam Evans, Dean

Retta Poe, Associate Dean for Academic Programs

Tony Norman, Associate Dean for Accountability and Research

### **Departments**

Counseling & Student Affairs

Educational Administration, Leadership, and Research

Psychology

### **School of Teacher Education**

### **Educational Leadership Doctoral Program**

### **Degrees Offered**

#### **Master of Arts in Education**

Elementary Education

Middle Grades Education

Secondary Education

Exceptional Education

- Learning & Behavior Disorders

- Moderate & Severe Disabilities

Education and Behavioral Science Studies

Interdisciplinary Early Childhood Education

Adult Education

School Counseling

Business Education

Student Affairs in Higher Education

Counseling:

- Mental Health Counseling

- Marriage/Family Therapy

Instructional Leader (School Principal),

All Grades

Literacy Education

#### **Master of Arts**

Psychology (Industrial/Organizational, Experimental, Clinical, and General)

#### **Master of Science**

Library Media Education

Instructional Design

#### **Specialist in Education**

Counselor Education

Elementary Education

Secondary Education

School Administration

School Psychology

**Doctorate of Education (EdD)**  
Educational Leadership

**Certificate Programs**

Addictions Counseling and Education  
Autism Spectrum Disorders  
Educational Technology  
Instructional Design  
International Student Services

**Non-Degree Programs**

**Planned-Fifth-Year/Rank II**

Elementary, Middle Grades, and Secondary Education

**Planned Sixth-Year/Rank I**

Guidance, Interdisciplinary Early Childhood Education, School Administration, Library Media Education, Elementary Education, Middle Grades Education, and Secondary Education

**CEBS Contact Information:**

201 Tate Page Hall  
Phone: (270) 745-4662  
FAX: (270) 745-6474  
Website: <http://edtech.wku.edu/#>

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.

**Degree Programs**

Specific admission requirements for each program are described in the respective departmental listings. Unless otherwise stated in the program descriptions, all MAE programs except Counseling (Mental Health and Marriage/Family Therapy) require a minimum GAP score of 2200 and a minimum GRE Analytical Writing score of 3.5. Applicants to programs that lead to advanced certification by Kentucky's Education Professional Standards Board must also submit current, valid teaching certificates. Additional information regarding admission to graduate programs in CEBS may be found here:  
[http://edtech.wku.edu/programs/graduate/faq\\_admissions-fa.htm](http://edtech.wku.edu/programs/graduate/faq_admissions-fa.htm).

Information about all programs in the college may be found at the following site:  
[http://edtech.wku.edu/academics\\_and\\_advising.htm](http://edtech.wku.edu/academics_and_advising.htm).



## **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 2.5 or higher, or a cumulative GPA of at least 3.0 in the last 60 hours (graduate hours plus as many undergraduate hours as are needed to total 60). 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: MAE: Interdisciplinary Early Childhood Education; MS: Library Media Education; MAE: Exceptional Education, Learning and Behavior Disorders; EdS: School Psychology; MS: Communication Disorders; and MAE: Middle Grades/Secondary Education – Alternate Route to Teacher Certification.

## **Alternate Admission**

An applicant for alternate admission to graduate study in the College of Education and Behavioral Sciences must submit a professional portfolio. Further information about alternate admission to CEBS programs may be found on the college's website:

<http://edtech.wku.edu/programs/AlternateAdmission.htm>.

## **Admission to Professional Education**

The following are required of all students seeking admission to professional education:

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 physical exam, TB test, and thumbprint criminal background check, all dated within one year prior to admission to teacher education.
4. Submit an appropriate photograph for the teacher admission file.
5. File a statement indicating a commitment to uphold the Professional Code of Ethics for Kentucky School Personnel.
6. Complete teacher admission standardized testing requirement for demonstration of basic skills by satisfying the indicated cut-off score(s) for one of the following:
  - The Enhanced American College Test (ACT) with a minimum composite score of 21
  - The Scholastic Aptitude Test (SAT) with a minimum composite score of 1500
  - The Pre-Professional Skills Test (PPST) with minimums of 173 in Mathematics, 173 in Reading, and 172 in Writing
  - The Graduate Record Exam (GRE) with a minimum Verbal + Quantitative total of 800 and an Analytical Writing score of at least 3.5, or a minimum GAP score (undergraduate GPA multiplied by GRE V+Q) of 2200 and an Analytical Writing score of at least 3.5

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

1. Document a minimum overall GPA of at least 2.5 (counting all course work completed at the time of admission to teacher education), or a minimum GPA of at least 3.0 in the last 60 hours.
2. Submit a copy of an approved program of studies (Form B/C) for a program leading to initial certification.

### **Alternate Route to Teacher/Principal/Superintendent Certification**

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

- Exceptional Education, Learning and Behavior Disorders (Grades P-12)
- Music Education (Integrated, Instrumental, Vocal) (Grades P-12)
- French Education (Grades P-12)
- German Education (Grades P-12)
- Spanish Education (Grades P-12)
- 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)
- Agriculture Education (Grades 5-12)
- Business and Marketing Education (Grades 5-12)
- Family and Consumer Sciences Education (Grades 5-12)
- Technology Education (Grades 5-12)
- Biology Education (Grades 8-12)
- Chemistry Education (Grades 8-12)
- Earth and Space Science Education (Grades 8-12)
- English/Allied Language Arts Education (Grades 8-12)
- Mathematics Education (Grades 8-12)
- Physics Education (Grades 8-12)
- Social Studies Education (Grades 8-12)

Further information about the Alternate Route to Teacher Certification (ARTC) programs may be found at the following website, [http://edtech.wku.edu/%7Eteachsvs/alternate\\_route.htm](http://edtech.wku.edu/%7Eteachsvs/alternate_route.htm), or by contacting the Office of Teacher Services at (270) 745-4897. Applicants to ARTC MAE 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 Exceptional Education. Those admitted to ARTC MAE 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 MAE program, students will be expected to sign a document to signify their understanding of and agreement to abide by the following expectations:

- 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.

- 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.
- 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.

### **Comprehensive Examination Policy**

All MAE programs require either the successful completion of a comprehensive exam or a thesis and thesis defense. General information regarding the policy for eligibility and administration of comprehensive exams may be found on the college's website:

<http://edtech.wku.edu/programs/graduate/mae-comp-exams/index.htm>

Eligibility requirements include successful completion of EDFN 500 or other research foundations course prior to the student's final semester.

### **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 Office of Graduate Studies. Upon completion of the non-degree program, individuals must contact the certification officer in the College of Education and Behavioral Sciences. The certification officer will then certify to Kentucky's Education Professional Standards Board that rank requirements have been met. Enrollment in a Planned Sixth-Year/Rank I program may not provide eligibility for a federal student loan, and completion of a Planned Fifth/Sixth-Year non-degree program may not be accepted in states other than Kentucky in determining pay status. Additional information about teacher certification may be found here: [http://edtech.wku.edu/~teachsvs/teacher\\_cert-faq.htm](http://edtech.wku.edu/~teachsvs/teacher_cert-faq.htm).

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

- A completed Application for Kentucky Teacher Certification or Change in Salary Rank (TC-1),
- Official transcripts of all graduate and undergraduate course work,
- Verification by the superintendent or personnel director of full-time classroom teaching experience at the appropriate grade level(s), and

- 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, Middle Grades Education, and Secondary Education 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.

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 listing for the School of Teacher Education.)*

1. A minimum of 32 semester hours of graduate courses must be completed, with a minimum GPA of 2.5;
2. At least half of the required hours must be completed at Western Kentucky University;
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, Library Media Education, and Interdisciplinary Early Childhood Education. A Planned Sixth-Year/Rank I program in Communication Disorders is offered in the College of Health and Human Services. The Department of Counseling and Student Affairs offers a Planned Sixth-Year/Rank I program in Guidance, and the Department of Educational Administration, Leadership, and Research offers Planned Sixth-Year/Rank I programs in principalship, pupil personnel administration, supervisor of instruction, and general school administration. A Planned Sixth-Year/Rank I program in School Administration to prepare special education directors is available in the School of Teacher Education.

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 departmental listing for the desired program)*

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 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. At least half of the required hours must be completed at Western Kentucky University. 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.

### **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.

### **Master of Arts in Education (Education and Behavioral Science Studies), Ref. # 042**

This is an interdisciplinary program designed for qualified graduate students who wish to do advanced study of education (in a general sense) or behavioral sciences (in a general sense) but whose career goals are not addressed by existing programs at Western Kentucky University. The program is a flexible one that allows a faculty advisor to individually tailor a program of studies for a student who wants to pursue graduate study in an area of education or behavioral sciences for which the university does not presently

offer a program. Completion of this program does not lead to initial or advanced certification by Kentucky's Education Professional Standards Board, nor does it lead to certification or licensure in counseling or psychology. Details about the program may be found on the program website: <http://edtech.wku.edu/~ebss/>. Further information about the program may also be obtained by contacting the Associate Dean for Academic Programs.

### **Admissions Requirements**

Applicants for admission are expected to attain a GAP score consistent with the minimum established by the university (currently 2200); earn a GRE-Verbal score of at least 350; and achieve a GRE Analytical Writing score of at least 3.5. In addition, applicants are expected to have an undergraduate degree in an area related to education or behavioral sciences. Accompanying the application must be a personal statement that describes the applicant's professional/career goals, including a discussion of how the applicant believes completing the MAE in Education and Behavioral Science Studies will contribute to the realization of those goals. A form for the applicant statement is provided on the program website. International students who apply must achieve a minimum score of 79 on the Internet-based TOEFL (or 550 on the paper-based version or 213 on the computer-based version). The Listening subscale score must be at least 50 (16 on the computer-based version), and the essay writing subscale score must be at least 4.0. Applicants who take the internet-based version must earn equivalent scores; contact the CEBS Associate Dean for Academic Programs for further information.

### **Degree Requirements—30 hours**

A minimum of 30 semester hours of graduate level course work is required for the non-thesis option; 24 hours of course work is required for the thesis option. All students must pass a final comprehensive examination.

Selection of courses for each category of the core will be determined by the program advisory committee, based on an evaluation of the student's professional needs and goals.

#### *Required core—18 hours*

Research Foundations—3 hours

EDFN 500 Research Methods or equivalent, approved by advisory committee

Professional Foundations—3 hours

Strategies/Methodologies of Education or Behavioral Sciences—3 hours

Developmental Issues—3 hours

\*Professional Development—3 hours

Practicum/Seminar Course (Field-based, practical application, selected with prior approval by advisor)

\**Capstone Course—3 hours*

EDU 595 Directed Study in Education or Behavioral Sciences

*\*Note: A thesis (6 hours) may be substituted for the Professional Development and Capstone Course requirements.*

*Option 1: Education Studies—12 hours*

Advisor-approved pedagogy-related, strategies, or methods course—3 hours

Content courses—9 hours

Courses from non-education fields; must be approved by advisor.

*Option 2: Behavioral Science Studies—12 hours*

Courses selected with advisor approval from Counseling, Psychology, Consumer Family Sciences, Sociology, Social Work, or other behavioral science areas.

**Doctor of Education (EdD) (Educational Leadership), Ref. # 0010**

For more information, contact:

Emily Dillard, Office Coordinator

(270) 745-3061 Office

emily.dillard@wku.edu

(270) 745-3162 Fax

The EdD in Educational Leadership 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:

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

Although this program is administratively housed in the College of Education and Behavioral Sciences Dean's Office, it is an interdisciplinary program involving faculty and courses from several departments throughout the university.

### **Admission Requirements**

Intended candidates for the degree are individuals who have completed at least a master's 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.

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 from an institution accredited by a nationally recognized accreditation organization.
3. (For international students/ESL students) TOEFL minimum score of 230 or higher
4. Completed application
5. Resume or vita
6. Personal statement
7. Recommendation forms: at least three professional references from persons in a position to evaluate the applicant's potential for success in a doctoral program
8. GRE or GMAT scores
9. Educational Leadership Self-Report Scale/Core-Self Evaluation Scale Score

### **Degree Requirements**

The program consists of 60 hours beyond the master's degree and includes a) an orientation seminar (6 hours), b) 9 hours of leadership courses, c) 9 hours of research and statistics courses, c) 18-21 hours of specific content courses in various specialty areas/options and electives, d) 6 hours of job-embedded practicum, and e) 12 hours of dissertation. Each student's academic background and professional experiences will be assessed at the time of admission, and students may be allowed to count up to 15 hours of previously-completed course work toward program requirements. Action research projects will be required of all students, and the dissertation is expected to center on real-world problems related to the candidate in his or her workplace setting. If students stay on track in a part-time status averaging six credit hours per semester (including summers), they can complete the program in approximately three calendar years.

Students will enroll in EDLD 700 - Orientation to Doctoral Studies and Professional Development (6 hours) during their first semester after admission to the program. The rest of the core consists of 9 hours of leadership courses and 9 hours of research and statistics courses.

#### *Leadership courses*

- EDLD 710 Leadership I – Leadership Theories and Ethics
- EDLD 720 Leadership II – Individual and Group Issues in Leadership
- EDLD 730 Leadership III – Leading the Organization



*Research and statistics courses*

EDLD 711 Research I – Methodology in Leadership Research

EDLD 721 Research II – Measurement and Validity in Leadership Research

EDLD 731 Research III – Advanced Data Analysis Tools in Leadership Research

The specific selection of elective courses for a student's program will be based on an evaluation of the candidate's background and strengths, as well as on the candidate's professional objectives and needs. With approval of the program committee, elective courses will come from one of four areas of focus:

- P-12 School and District Leadership, primarily designed for public school/school district administrators;
- P-12 Teacher Leadership, primarily designed for educators serving in leadership roles related to areas such as assessment, curriculum, technology, and literacy;
- Postsecondary Education Leadership, primarily designed for leaders in two-year and four-year institutions; or
- Organizational Leadership, designed to prepare leaders in education-related organizations that are not classified as schools, colleges, or universities.

More information may be found at: <http://edtech.wku.edu/programs/doctorate/index.htm>

## ***Department of Counseling and Student Affairs***

Bill Kline, Head

Tate Page Hall 409A  
(270) 745-4953 Office  
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### **Graduate Faculty**

**Professors:** A. Hughey, B. Kline, C. Mason, N. Minatrea, D. Nims, V. Sheeley, F. Stickle

**Associate Professors:** K. Burch-Ragan, J. Sauerheber

**Assistant Professors:** J. Bryant, M. Burke, T. Shaffer

### **Degrees Offered**

Master of Arts in Education: School Counseling

Master of Arts in Education: Counseling

Mental Health Counseling

Marriage and Family Therapy

Master of Arts in Education: Student Affairs in Higher Education

Education Specialist: Counselor Education

### **Certificates Offered**

Addictions Counseling and Education

International Student Services

### **Non-degree Program/Certification Offered:**

Planned Sixth-Year/Rank I: Standard Guidance

Endorsement: Individual Intellectual Assessment

## **Master of Arts in Education: School Counseling, Ref. # 046**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the departmental website at:

<http://edtech.wku.edu/~counsel/programs.htm>.

The School Counseling program is intended for the educator who plans to enter the field of school counseling or intends to upgrade personal relationship building. This 36-hour program leads to the Master of Arts in Education degree and provisional certification for school counselors in all grade levels, primary through grade twelve.

### **Admission Requirements**

Applicants for admission are expected to attain a GAP score consistent with the minimum established by the university (currently 2200) and achieve a GRE Analytical Writing score of at least 3.5. Kentucky residents must also possess a valid teaching certificate; applicants from other states will be considered on a case-by-case basis.

After acceptance into Graduate Studies the student should meet with the assigned advisor during the first 12 hours of course work to complete a Form B/C that lists all of the courses the student must take to complete the degree program. The advisor also will go over a suggested course sequence to facilitate progression through the program. After completing approximately 15 hours, the student should complete the Admission to Candidacy (Form D) and submit it to his or her advisor, who will send it to Graduate Studies.

After being admitted by Graduate Studies and Research applicants must also complete the Admission to the Counseling and Student Affairs Programs application packet. This application packet includes a letter of introduction/personal statement that addresses goals for the program, picture, signed statement, criminal background check, and two letters of recommendation. The application must be submitted after completing two CNS courses but before completing five courses. It is recommended that EDFN 500 be taken within the first 15 hours; it cannot be taken during the last semester of enrollment. Applications are available in the departmental office.

### **Degree Requirements—36 hours**

The specific requirements for the MAE program in School Counseling are as follows:

#### *Required—36 hours*

EDFN 500 Research Methods

CNS 550 Introduction to Counseling

CNS 551 Classroom Guidance

**OR** PSY 519 Psychological Perspectives on Classroom Behavior

CNS 552 Testing and Assessment

CNS 554 Group Counseling

CNS 555 Social and Cultural Diversity

**OR** PSY 520 Individual Differences & Human Diversity

CNS 557 Human Development

CNS 558 Counseling Theories

CNS 559 Counseling Techniques

CNS 660 Administration of Counseling Services  
CNS 568 Counseling Children and Adolescents  
CNS 590 School Practicum

*Note: 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 here: <http://edtech.wku.edu/programs/graduate/mae-comp-exams/index.htm>.*

### **Planned Sixth-Year/Rank I: Standard Guidance, Ref. # 048**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the departmental website at: <http://edtech.wku.edu/~counsel/programs.htm>.

For students with a master's degree in school counseling, the Rank I leads to standard guidance certification. The Rank I is designed to provide additional preparation and competency for the school counselor. The combined master's and Rank I program requires a minimum of 60 hours and one year's experience as a school counselor. Many students complete the course work prior to completing the experience requirements.

#### *Rank I Program Course Work (for students who possess a provisional school counseling certificate)*

Master's in School Counseling	30-36 hours
CNS 556 Developmental Career Counseling	3 hours
CNS 666 Legal & Ethical issues in Counseling	3 hours
CNS Electives	6 hours
<u>Advisor Approved Electives</u>	<u>12-18 hours</u>
Minimum Total Hours	60 hours

Individuals who currently have Provisional Guidance Certification in either Elementary or Secondary Guidance may extend their certification to P-12 by taking two of the following courses

CNS 568 Counseling Children and Adolescents  
CNS 590 Practicum  
CNS 660 Administration of Counseling Services

A certified teacher with a master's degree in a content area other than school counseling may obtain a Provisional Guidance Certificate P-12 by completing a second master's degree in School Counseling. Up to 12 hours of acceptable previous graduate work may be applied to this program. For certified teachers, completion of a second master's degree in school counseling provides eligibility for Rank I pay status.

## **Master of Arts in Education: Counseling, Ref. # 043**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the departmental website at:

<http://edtech.wku.edu/~counsel/programs.htm>.

The MAE in Counseling meets the educational requirements for licensure as a Licensed Professional Clinical Counselor and/or Licensed Marriage and Family Therapist in the Commonwealth of Kentucky and in states with reciprocal licensure agreements. Both the Mental Health Counseling and the Marriage and Family Therapy programs are accredited by the Council for the Accreditation of Counseling and Related Educational Programs (CACREP).

### **Admission Requirements**

Applicants to this 60-hour program must first meet Graduate Studies GAP score (GPA x GRE) requirements for admission (currently 2200). In addition, the student must have either a minimum score of 900 on the GRE (with a minimum of 4.0 on the Analytical Writing section) or a minimum grade point average of 2.9 in the last 30 hours of course work in the undergraduate degree program.

After acceptance into Graduate Studies the student meets with an advisor to complete a Form C that lists all of the courses the student must take to complete the degree program. The advisor also will go over a suggested course sequence to facilitate progression through the program. After completing approximately 15 hours, the student completes Form D (Admission to Candidacy) and submits it to the advisor, who will send it to Graduate Studies.

After being admitted by Graduate Studies and Research applicants must also complete the Admission to the Counseling and Student Affairs Programs application packet. This application packet includes a letter of introduction/personal statement that addresses goals for the program, picture, signed statement, criminal background check, and two letters of recommendation. The application must be submitted after completing two CNS courses but before completing five courses. It is recommended that EDFN 500 be taken within the first 15 hours; it cannot be taken during the last semester of enrollment. Applications are available in the departmental office.

### **Degree Requirements—60 hours**

The student should begin thinking about the Practicum and Internship experience at the time of admission into the program. The prerequisites for Practicum are CNS 554, 558, 559, and 560. These courses should be taken the first spring semester. If enrolled in fewer than 12 hours, the student should take the courses during spring semesters until they are completed.

A comprehensive exam is given during the student's last semester. The exam includes objective and essay questions over the core courses of the program. Students must complete EDFN 500 at least one semester before taking the exam, preferably at the beginning of the program.

Students who enroll in courses prior to being accepted into Graduate Studies are advised to contact an advisor to discuss appropriate courses to take.

Substitutions for required courses must be approved by the student's advisor, the program faculty, and Graduate Studies.

*General Requirements—3 hours*

EDFN 500 Research Methods

**OR** PSY 512 Seminar in Experimental Design

*Counseling Core Requirements (39 hours)*

CNS 552 Testing & Assess in Counseling

CNS 554 Group Counseling

CNS 555 Social and Cultural Diversity

CNS 556 Developmental Career Counseling

CNS 557 Human & Family Development

CNS 558 Theories of Counseling

CNS 559 Techniques of Counseling

CNS 560 Professional Studies in Counseling and Marriage & Family Therapy

CNS 567 Mental Health Counseling

CNS 637 Theories of Addictions

CNS 591 Mental Health/Marriage and Family Practicum\*

CNS 596 Mental Health/Marriage and Family Internship (6 hours)^

*\*To enroll in practicum the student must have completed the following prerequisites: twelve hours in counseling courses including the following: CNS 554, 558, 559, and 560. The student must also have been formally admitted to Counseling and Student Affairs.*

*^Internship must be taken over a period of two semesters*

*Concentration I - Mental Health Counseling (MNHC) Requirements—18 hours*

CNS 553 Community Resources in Counseling

CNS 596 Internship†

One of the following:

CNS 561 Counseling Children

CNS 562 Counseling Adolescents

CNS 563 Counseling Adults

CNS 564 Counseling the Elderly

CNS 568 Counseling Children and Adolescents

Electives

9 hours taken from counseling, psychology, sociology, or other behavioral science courses approved by advisor

*†These hours are in addition to the 6 hours listed under “Counseling Requirements.”*

*Concentration II - Marriage and Family Therapy (MHMF)—18 hours*

CNS 580 Family Life Studies

CNS 582 Sex Therapy

CNS 583 Marriage Therapy

CNS 584 Counseling Violent & Dysfunctional Families

CNS 586 Parenting Issues

CNS 588 Family Systems Counseling

*Note: 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 here: <http://edtech.wku.edu/programs/graduate/mae-comp-exams/index.htm>.*

## **Master of Arts in Education Student Affairs in Higher Education, Ref. # 145**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the departmental website at:

<http://edtech.wku.edu/~counsel/programs.htm>.

The MAE program in Student Affairs in Higher Education is designed to prepare individuals for entry and mid-level positions in the Student Affairs profession. Graduates of the program are qualified to work in a variety of higher education settings, ranging from community/technical institutions through comprehensive universities. The program is theoretically based, yet applications oriented.

### **Admission Requirements**

Applicants to this 48-hour program must meet Graduate Studies requirements for admission; i.e., a GAP score (GPA x GRE) of 2200. In addition, they must achieve a GRE Analytical Writing score of at least 3.5.

After being admitted by Graduate Studies and Research applicants must also complete the Admission to the Counseling and Student Affairs Programs application packet. This application packet includes a letter of introduction/personal statement that addresses goals for the program, picture, signed statement, criminal background check, and two letters of recommendation. The application must be submitted after completing two CNS courses but before completing five courses. It is recommended that EDFN 500 be taken within the first 15 hours. Applications are available in the departmental office.

### **Degree Requirements—48 hours**

#### *General Professional Requirements—15 hours*

EDFN 500 Research Methods  
CNS 555 Social and Cultural Diversity in Counseling  
CNS 556 Career Counseling  
CNS 577 Counseling Concepts and Applications for Student Affairs Professionals  
CNS 558 Counseling Theories

#### *Student Affairs Major Requirements—27 hours*

CNS 571 Introduction to Student Affairs  
CNS 572 The College Student Experience  
CNS 574 Student Development in Higher Education  
CNS 585 Leadership and Administration in Student Affairs  
CNS 610 Assessment and Accountability in Student Affairs and Higher Education

CNS 670 Parameters of Law in Student Affairs and Higher Education  
CNS 590 Practicum  
CNS 595 Internship (6 hours)

*Electives—6 hours*

Chosen with advisor approval.

*Note: 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 here: <http://edtech.wku.edu/programs/graduate/mae-comp-exams/index.htm>.*

## **Specialist in Education: Counselor Education, Ref. # 112**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the departmental website at:

<http://edtech.wku.edu/~counsel/programs.htm>.

The Specialist Degree in Education (EdS) with a Counselor Education major is designed to incorporate the core elements of the master's degree in Counseling while expanding the academics emphasis within the student's profession. This degree requires a minimum of 30 semester hours of graduate course work beyond the master's degree. Specialist programs are tailored to meet the academic goals of the individual student. The EdS culminates with the completion of a specialist project, which reflects satisfactory research in an area of particular interest to the student.

### **Admission Requirements**

An applicant desiring to pursue this program must first meet the admission requirements of the Office of Graduate Studies, and then must also be admitted to the department. The EdS (Counselor Education Major) requires a 3.5 GPA in the master's program or a 1350 GRE score (if test was taken on or before October 1, 2002) or 850 GRE score and a 4.0 Analytical Writing score (if taken after October 1, 2002). A departmental application, personal statement, and references are required along with a personal interview. A departmental admission committee will review the information and make final recommendations regarding the applicant's eligibility.

Before pursuing a specialist degree, the student must have earned a master's degree in counseling or a related subject area. Eighteen hours of prerequisite courses (or equivalents) must be included in previous graduate course work. If the course work was not a part of the student's master's degree, the following 18 hours must be completed **before** a student begins the specialist program. It should also be noted that these courses **cannot** be used toward the specialist program.

EDFN 500 Research Methods  
CNS 550 Introduction to Counseling  
CNS 552 Testing and Assessment in Counseling  
CNS 554 Group Counseling  
CNS 558 Counseling Theories



## CNS 590 Practicum in Counseling\*

*\*To enroll in CNS 590 Practicum the student must have completed the following prerequisites: Fifteen (15) hours in counseling courses, including CNS 550, 554, and 558. The student must also have been formally admitted to Counseling and Student Affairs.*

### **Specialist Program Requirements**

The student's committee directs the selection of course work, the required specialist project, and a final oral examination.

#### *Research requirement—3 hours*

EDFN 501 Educational Statistics

**OR** PSY 512 Seminar in Experimental Design

#### *Major Emphasis—minimum of 21 hours*

Counseling courses approved by the student's committee

#### *Specialist Project Research and Writing—6 hours*

CNS 699 Specialist Project

## **Certificate in Addictions Counseling and Education, Ref. # 218**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the departmental website at:

<http://edtech.wku.edu/~counsel/programs.htm>.

The 15 hour interdisciplinary certificate program in Addictions Counseling and Education prepares students to provide counseling or education services to individuals abusing or addicted to mood altering chemicals. Individuals who complete the program will be knowledgeable about physical and psychological effects of various chemicals and the etiology of addictions, and will have skills in prevention strategies, assessment procedures, intervention skills, and treatment of individuals abusing or addicted to drugs.

### **Admission Requirements**

This interdisciplinary certificate program is open to students admitted to any of the following graduate programs: Psychology (Clinical option), Marriage and Family Therapy, Mental Health Counseling, Nursing, Public Health, School Psychology, or Social Work. A second category of eligible students includes individuals who are licensed or license-eligible in any of the above areas. The Department of Counseling and Student Affairs provides program administration and primary advisement. Prospective students must submit an application to the Department of Counseling and Student Affairs, Coordinator of the certificate in Addictions Counseling and Education. The intent is to provide education and training that is consistent with the students' major programs; that is, the development of counseling skills is emphasized for those with appropriate counseling credentials, whereas the development of health education skills is the focus for others.

## **Certificate Requirements—15 hours**

*Required courses—9 hours; these courses are taken sequentially:*

CNS/PSY/SWRK 637 Theories of Addictions

CNS/PSY/SWRK 647 Addictions: Assessment, Diagnosis, & Treatment Planning

CNS/PSY/SWRK 667 Substance Abuse and Dependency

*Internship—3 hours*

After completion of required courses the student must complete an internship with at least 300 hours of supervised experience related to addictions in the area of prevention, health education, intervention or treatment. The student's major program advisor and the certificate program coordinator must approve the internship site. Credit may be earned in any of the following courses: CNS 596 Internship; PSY 592 Psychology Internship; PH 546 Graduate Internship; or SWRK 560, 561, 660, 661.

*Restricted elective—3 hours*

Students must choose 3 credit hours from the following restricted electives in collaboration with the certificate program coordinator and the student's program advisor. All courses are worth 3 credits unless otherwise noted.

CNS 554 Group Counseling

CNS 567 Diagnosis in Counseling

CNS 559 Techniques in Counseling

CNS 584 Counseling Violent and Dysfunctional Families

CNS 588 Family Systems Counseling

CNS 653 Brief Counseling

NURS 500 Advanced Physiological and Pathophysiological Concepts

PSY 514 Program Evaluation

PSY 552 Advanced Social Psychology

PSY 640 Psychopathology

PH 568 STD/HIV Prevention: A Public Health Approach

PH 572 Practice of Drug Abuse Prevention

PH 586 Violence Prevention: A Public Health Approach

PH 591 Health Program Evaluation

SWRK 521 Social Work Clinical Assessment and Intervention

SWRK 585 Spirituality and Religion in Social Work

## **Certificate in International Student Services, Ref. # 0415**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the departmental website at:

<http://edtech.wku.edu/~counsel/programs.htm>.

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.

### **Admission Requirements**

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.

### **Certificate Requirements—15 hours**

#### *Required courses—9 hours*

CNS 571 Introduction to Student Affairs

CNS 581 International Students and Services in Higher Education

CNS 595 Internship in Student Affairs, with placement in an appropriate site involved in the delivery of services to international students or those involved in study abroad programs

#### *Restricted Electives—6 hours*

To be selected with advisor approval at initial advising session upon program admission from the following:

CNS 572 The College Student Experience

CNS 574 Student Development in Higher Education

CNS 670 Parameters of Law in Student Affairs & Higher Education

CNS 555 Social and Cultural Diversity

WOMN 555 Global/Cultural Perspectives on Women

CNS 578 Special Topics in Student Affairs

(with a focus on international students/student services)

CNS 579 Seminar in Student Affairs

(with a focus on international students/student services)

Or other course(s) approved by faculty advisor.

## **Individual Intellectual Assessment, Concentration IIA, Ref.# 159**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the departmental website at:

<http://edtech.wku.edu/~counsel/programs.htm>.

The Individual Intellectual Assessment (IIA) is an endorsement built upon the student's basic certification as a School Counselor. The purpose of this endorsement is to allow counselors to do individual intelligence testing.

### *Prerequisites*

Master of Arts in Education in School Counseling  
Provisional or Standard Guidance Certification

### *Required courses—12 hours*

CNS 552 Testing and Assessment in Counseling  
CNS 654 Educational and Intellectual Analysis of Children and Adults  
CNS 655 Advanced Appraisal of Children  
CNS 595 Testing Internship

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## **Graduate Courses in Counseling**

*All courses worth 3 credits unless otherwise noted.*

*\*Courses may be used as subject matter course work.*

- CNS 550** Introduction to Counseling  
**CNS 551** Classroom Guidance  
**CNS 552** Testing and Assessment in Counseling  
**CNS 553** Community Resources in Counseling  
**CNS 554** Group Counseling  
**CNS 555** Social & Cultural Diversity in Counseling  
**CNS 556** Developmental Career Counseling  
**\*CNS 557** Human & Family Development in Counseling  
**CNS 558** Counseling Theories  
**CNS 559** Techniques of Counseling  
**CNS 560** Professional Studies in Counseling and Marriage and Family Therapy  
**CNS 561** Counseling Children  
**CNS 562** Counseling Adolescents  
**CNS 563** Counseling Adults  
**CNS 564** Counseling the Elderly  
**CNS 565** Elementary Guidance Services  
**CNS 566** Secondary Guidance Services  
**CNS 567** Mental Health Diagnosis & Treatment in Counseling  
**CNS 568** Counseling Children and Adolescents  
**CNS 570** Workshop in Counseling  
**CNS 571** Introduction to Student Affairs in Higher Education  
**CNS 572** The College Student Experience  
**CNS 573** Leadership in Student Affairs  
**CNS 574** Student Development in Higher Education  
**CNS 575** Administration of Student Affairs  
**CNS 576** Technology in Student Affairs  
**CNS 577** Counseling Concepts and Applications for Student Affairs Professionals  
**CNS 579** Seminar in Student Affairs  
**\*CNS 580** Family Life Studies  
**CNS 581** International Students and Services in Higher Education  
**CNS 582** Sex Therapy  
**CNS 583** Marriage Therapy  
**\*CNS 584** Counsel Violent & Dysfunctional Families  
**CNS 585** Leadership and Administration in Student Affairs  
**\*CNS 586** Parenting Issues  
**CNS 588** Family Systems Counseling  
**CNS 590** Practicum  
**CNS 591** Mental Health Counseling/Marriage and Family Therapy Practicum  
**CNS 595** Internship (3-6 hours)  
**CNS 596** Mental Health Counseling/Marriage and Family Therapy Internship (3-9 hours)  
**CNS 599** Thesis Research & Writing (6 hours)  
**CNS 610** Assessment and Accountability in Student Affairs and Higher Education  
**CNS 637** Theories of Addiction  
**CNS 647** Addictions: Assessment, Diagnosis and Treatment Planning  
**CNS 651** Readings in Contemporary Counseling  
**CNS 652** Research in Counseling  
**CNS 653** Brief Counseling  
**CNS 654** Educational and Intellectual Analysis of Children and Adults  
**CNS 655** Advanced Appraisal of Children  
**CNS 658** Seminar in Counseling  
**CNS 660** Administration of Counseling Services  
**CNS 661** Introduction to Rehabilitation Counseling  
**CNS 662** Seminar in Disability and Rehabilitation Counseling  
**CNS 666** Legal and Ethical Issues in Counseling  
**CNS 667** Drug Abuse Counseling  
**CNS 669** Special Topics in Counseling and Guidance (May be repeated up to 6 hours with a different topic)  
**CNS 670** Parameters of Law in Student Affairs and Higher Education  
**CNS 699** Specialist Project (6 hours)  
**CNS 700** Maintaining Matriculation (1-6 hours)  
**CNS 710** Leadership in Stress Management

## ***School of Teacher Education***

Sherry Powers, Director of the School of  
Teacher Education/Associate Dean

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### **Graduate Faculty**

**Professors:** N. Atwell, B. Burch, T. Daniel, C. Evans, J. Ferguson, J. Pierce, S. Powers,  
J. Roberts, R. Smith, V. Stayton

**Associate Professors:** J. Davison, S. Gandy, P. Jukes, B. Kacer, M. Maxwell, J. Moore,  
P. Petty

**Assistant Professors:** J. Applin, A. Battles, M. Boman, M. Day, B. Fiehn, J. Huss, M.  
McDonald, V. Metzgar, J. Montgomery, L. Murley, R. Stobaugh, T. Suzuki, J.  
Tassell, P. Whetsone, C. Zippay

### **Non-Degree Programs**

For information on the general requirements for Non Degree Planned Fifth-Year/Rank II and Non Degree Planned Sixth-Year/Rank I programs, refer to the section on Non-Degree Programs at the beginning of the College of Education and Behavioral Sciences section.

### **Master of Arts in Education Elementary Education, Ref. # 065**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at  
<http://edtech.wku.edu/ste/programs/graduate/el-ed/masters.htm>.

### **Admission Requirements**

Admission criteria for the MAE in Elementary Education vary, depending on the student's undergraduate institution and GPA.

- No GRE qualifying score is required for graduates of the WKU B. S. in Elementary Education program, as long as they hold or are eligible to hold a valid teaching certificate for elementary grades. A copy of the certificate must be submitted with the application.
- Applicants with undergraduate degrees in elementary education 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 a valid teaching certificate for elementary grades. A copy of the certificate must be submitted with the application.
- Applicants from all other accredited universities with a GPA lower than 2.75 (undergraduate and graduate) must achieve a GAP (GRE score multiplied by the undergraduate GPA) score of 2200 or higher and a GRE Analytical Writing score of 3.5 or higher, and they must have a valid teaching certificate for elementary grades. A copy of the certificate must be submitted with the application.

All applicants to the MAE program in Elementary Education must:

- Hold or be eligible to hold a teaching certificate at the elementary level, OR

- Have a valid elementary conversion program on file with the Office of Teacher Services.  
(Note: Conversion program must be completed prior to or simultaneously with the MA in Education.)

## **Degree Requirements—30 hours**

### *Required Core—9-12 hours*

ELED 503 Organization of the Elementary School Curriculum  
 EDFN 500 Research Methods\*  
 EDU 501 Seminar: Designing the Professional Development Plan (2 hours)  
 EDU 596 Portfolio Development and Professional Educator Growth Plan (1 hour)  
 EXED 516 The Exceptional Child: Perspectives and Issues (3 hours)†

\* EDFN 500 should be completed within the first 12 hours of the student's program.

† An approved elective may be substituted if an Exceptional Education course is on the student's graduate or undergraduate transcript.

### *Restricted General Electives—9 hours‡*

ELED 505 Advanced Materials and Methods in Modern Mathematics for Elementary Teachers  
 ELED 506 Seminar in Elementary School Science  
 ELED 507 Advanced Materials and Methods in Social Studies  
 EDU 544 Teaching Strategies  
 EDU 522 Foundations of Differentiated Instruction  
 EDU 524 Educational Assessment  
 EDU 507 Geography for Teachers (Crosslisted with GEOS 507)  
 GTE 536 Needs Gifted/ Students  
 ENVE 580 Instructional Strategies Environmental Education  
 LTCY 519 Foundations of Reading Instruction  
 LTCY 624 Seminar in Literacy Issues and Trends  
 LTCY 524 Content area Literacy

‡Other courses may be selected with permission of advisor, teacher certification officer and Graduate Studies and Research.

### *Required Psychology Elective—3 hours*

PSY 510 Advanced Educational Psychology  
 PSY 511 Psychology of Learning  
 PSY 519 Psychological Perspectives on Classroom Behavior  
 PSY 540 Behavioral Problems of Childhood and Adolescence

### *General Content Electives—6-12 hours*

Advisor approved courses from the following content areas:

Art, Biology, Chemistry, Communication, Economics, English, Leadership, Folk Studies, Geography, Geology, Government, History, Languages, Mathematics, Music, Physics, Psychology, Sociology, and Theatre

**OR** elective hours selected from the following courses:

LME 410G Storytelling  
 LME 411G Creative Media Experiences for Children

LME 518 Advanced Children's Literature  
CNS 580 Family Life Studies  
CNS 586 Parenting Issues  
PH 465G Health and Safety in the Elementary School  
PH 467G Drug Abuse Education  
PH 468G Sexuality Education  
PH 481G Environmental Health  
PH 586 Violence Prevention  
AMS 465G Industrial Technology for Elementary Teachers  
JOUR 481G Problems in Mass Communication  
ECON 505W Economics for Teachers  
MATH 507 Mathematics for Elementary Teachers  
BIOL 507 Biology for Elementary Teachers  
GEOS 507 Geography for Teachers (Crosslisted with EDU 507)

Students may substitute course work from any of the following endorsements for general content electives: English as a Second Language, Gifted and Talented Education, Environmental Education, Instructional Computer Technology, or other approved endorsements.

### **Education Specialist: Elementary Education, Ref. # 118**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://edtech.wku.edu/ste/programs/graduate/el-ed/EdS.htm>.

This post-master's program provides opportunity for the advanced graduate student to improve the foundations and competencies for teaching. The program may also be structured to meet Rank I salary requirements under Kentucky's minimum foundation program of education. The following emphases or specializations are available to the elementary education major: literacy, general curriculum and instruction, English as a second language, gifted education, and Instructional Computer Technology. The EdS in Elementary Education requires 30 hours beyond a master's degree.

#### **Admission Requirements**

In addition to meeting the admission requirements of Graduate Studies, applicants must meet the following departmental requirements:

1. Three years of teaching experience at the appropriate level. Up to two years of experience may be waived in favor of equivalent experience; and
2. Four letters of recommendation: Two from graduate faculty members and two from professional associates in administrative and/or supervisory roles.

#### **Degree Requirements**

*Professional Education Component—9 hours*

EDU 601 Seminar: Advanced Professional Development Plan  
ELED 603 Advanced Seminar Elementary Curriculum  
EDU 604 Management of the Learning Environment  
EDU 698 Seminar: Advanced Portfolio Project



*Related Professional Education Courses—9 hours*

EXED 516 Exceptional Child: Perspectives and Issues\*

ELED 699 Specialist Project (6 hours total)

Plus 3-6 hours of advisor approved, professional education graduate-level courses.

*\*An approved elective may be substituted if an Exceptional Education course is on the student's transcript.*

*Related Non-Professional Education Courses—12 hours:*

Twelve hours of advisor approved graduate level, subject-related course work.

*Note: There is a limit of 6 of hours workshop and independent study credit that can be used on a Specialist Degree program. Only three of those 6 hours can be one credit hour courses. A total of 24 hours non-professional education courses are required for MAE and the Specialist Degree combined.*

**Non Degree Planned Fifth-Year/Rank II Elementary Education, Ref. # 091**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at [http://edtech.wku.edu/ste/programs/graduate/el-ed/planned\\_5th\\_year.htm](http://edtech.wku.edu/ste/programs/graduate/el-ed/planned_5th_year.htm).

**Degree Requirements—32 hours**

Required Professional Education Component—20 hours

*Required Professional Education Courses—5-8 hours*

EDU 501 Seminar: Designing the Professional Development Plan†

ELED 503 Organization of the Elementary School Curriculum

EXED 516 Exceptional Child: Perspectives and Issues\*

EDU 596 Seminar: Portfolio Development and

Professional Education Growth Plan‡

EDU 598 Seminar: Evaluation of Professional Development Plan‡

*Restricted Elective—3 hours*

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

*Restricted Elective—3 hours\*\**

ELED 505 Advanced Materials and Methods in Modern Mathematics for  
Elementary Teachers

ELED 506 Seminar in Elementary School Science

ELED 507 Advanced Materials & Methods in Social Studies

ELED 509 Advanced Methods and Materials for Early Childhood

LTCY 519 Foundations of Reading Instruction

EDU 522 Foundations of Differentiated Instruction

EDU 524 Educational Assessment

*Professional Education Electives—6-9 hours*

Six to nine hours of advisor-approved related professional education courses.

Specialization Component—12 hours

Twelve hours of advisor-approved specialization courses.

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

\*\*Not required for students seeking Gifted Education endorsement

†Students should enroll in EDU 501 within the first 7 hours of course work.

‡Students should enroll in EDU 596/598 after completing at least 24 hours of course work.

**Non-Degree Planned Sixth-Year Rank I Elementary Education, Ref. # 084**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://edtech.wku.edu/st/programs/graduate/el-ed/rank-1.htm>.

**Program Requirements**

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.

*Required Professional Education Component—9-12 hours*

EDU 601 Seminar: Advanced Professional Development Plan

ELED 603 Advanced Seminar Elementary Curriculum

EDU 604 Management of the Learning Environment

EXED 516 Exceptional Child: Perspectives and Issues \*

EDU 698 Seminar: Advanced Portfolio Project

*Related Professional Courses—6-9 hours*

Courses must be approved by advisor.

*Related Specialization Courses—12 hours*

Courses must be approved by advisor.

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

## **Master of Arts in Education Middle Grades Education, Ref. # 139**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://edtech.wku.edu/ste/programs/graduate/mg-ed/TR.htm>.

### **Admission Requirements**

Admission criteria for the MAE in Middle Grades Education vary, depending on the student's undergraduate institution and GPA:

- No GRE qualifying score is required for graduates of the WKU B.S. in Middle Grades Education program, as long as they hold or are eligible to hold a valid teaching certificate for middle grades. A copy of the certificate must be submitted with the application.
- Applicants with 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 a valid teaching certificate for middle grades. A copy of the certificate must be submitted with the application.
- Applicants with undergraduate degrees from all other accredited universities with a GPA lower than 2.75 (undergraduate and graduate) must achieve a GAP (GRE score multiplied by the undergraduate GPA) score of 2200 or higher and a GRE Analytical Writing score of 3.5 or higher and have a valid teaching certificate for middle grades. A copy of the certificate must be submitted with the application.

All applicants to the MAE program in Middle Grades Education must:

- Hold or be eligible to hold a teaching certificate at the middle grades level, OR
- Have a valid middle grades conversion program on file with the Office of Teacher Services.

*Note: Conversion program must be completed prior to or simultaneously with the MA in Education.*

### **Degree Requirements**

*Restricted Elective Component—3 hours*

\*EXED 516 The Exceptional Child: Perspectives and Issues

*Professional Development Component—3 hours*

EDU 501 Seminar: Designing a Professional Development Plan (2 hours)

EDU 596 Portfolio Development & Professional Education Growth Plan (1-2 hours)

*Educational Psychology Component—3 hours*

PSY 510 Advanced Educational Psychology

PSY 511 Psychology of Learning

PSY 519 Psychological Perspectives on Classroom Behavior

*Strategies Component—3 hours*

EDU 544 Classroom Teaching Strategies  
GTE 537 Curriculum, Strategies & Materials for Gifted Students  
ENVE 580 Instructional Strategies Environmental Education  
LTCY 524 Content Area Literacy  
LTCY 444G Reading Secondary Grades  
EDU 522 Foundations of Differentiated Instruction  
EDU 524 Educational Assessment  
Other courses may be selected with permission of the Department Head.

*Curriculum Component—3 hours*

SEC 580 The Curriculum  
MGE 571 Middle School Curriculum

*Research/Assessment Component—3 hours*

†EDFN 500 Research Methods, OR Content Specific Research Course

*Specialization Component—12 hours*

Advisor-approved elective courses selected from discipline in which student is certified.

In place of the content electives, students may substitute course work for endorsements in English as a Second Language, Gifted and Talented Education, Environmental Education, Instructional Computer Technology, or other approved endorsements.

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

†EDFN 500 or content-specific research course should be completed within the first 12 hours of the student's program.

**Non-Degree Planned Fifth-Year/Rank IIMiddle Grades Education, Ref. # 154**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at [http://edtech.wku.edu/ste/programs/graduate/mg-ed/planned\\_5th\\_year.htm](http://edtech.wku.edu/ste/programs/graduate/mg-ed/planned_5th_year.htm).

**Admission Requirements**

For this program, students must have the following:

- Kentucky teacher certification for middle grades education or equivalent from another state
- Bachelors degree from a college or university of recognized standing

## **Program Requirements—32 hours**

### Professional Education Components—18 hours

#### *Professional Development Component—3 hours*

- +EDU 501 Seminar: Designing Professional Development Plan (2 hours)
- ++EDU 596 Portfolio Development & Professional Education Growth Plan (1-2 hours)

#### *Educational Psychology Component—3 hours*

- PSY 510 Advanced Educational Psychology
- PSY 511 Psychology of Learning
- PSY 519 Psychological Perspectives on Classroom Behavior

#### *Strategies Component—3 hours*

- EDU 522 Foundations of Differentiated Instruction
- EDU 524 Educational Assessment
- EDU 544 Classroom Teaching Strategies
- ENVE 575 Introduction to Environmental Education
- LTCY 524 Content Area Literacy
- GTE 537 Curriculum, Strategies, & Materials for Gifted Students
- LTCY 444G Reading in the Secondary Grades

#### *Curriculum Component—3 hours*

- SEC 580 The Curriculum
- MGE 571 Middle School Curriculum

#### *Restricted Elective—3 hours*

- If an Exceptional Education course is not documented on the candidate's undergraduate or graduate transcript, the student must enroll in EXED 516.
- If an EXED course is documented on the candidate's transcript, another course may be selected from
  - SEC 580 The Curriculum
  - EDU 544 Classroom Teaching Strategies
  - EDU 522 Foundations of Differentiated Instruction
  - EDU 524 Educational Assessment
  - GTE 537 Curriculum, Strategies, and Materials for Gifted Students
  - PSY 519 Psychological Perspectives on Classroom Behavior
  - LME 547 Integration of Educational Technology
- Any other graduate level professional education course with advisor approval.

#### *Research/Assessment Component—3 hours*

- EDFN 500 Research Methods
- OR** Content Specific Research Course

Specialization/Content Component—12 hours

Advisor must approve courses.

<sup>†</sup>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.

<sup>††</sup>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.

**Non- Degree Planned Sixth-Year/Rank I Middle Grades Education, Ref. # 158**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://edtech.wku.edu/ste/programs/graduate/mg-ed/Rank-1.htm>.

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.

*Required Professional Education Component—9-12 hours*

†EDU 601 Seminar: Advanced Professional Development Plan

ELED 603 Advanced Seminar: Elementary Curriculum

EDU 604 Management of the Learning Environment

\*EXED 516 The Exceptional Child

‡EDU 698 Seminar: Advanced Portfolio Project

*Related Professional Courses—6-9 hours*

Advisor must approve courses.

*Related Specialization Courses—12 hours*

Advisor must approve courses.

<sup>†</sup>Students should enroll in EDU 601 within the first 7 hours of course work in the Non-Degree Planned Rank I or Specialist Degree.

<sup>‡</sup>Students should enroll in EDU 698 after completing at least 24 hours of course work in the Non-Degree Planned Rank I or Specialist Degree.

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

## **Master of Arts in Education Secondary Education, Major or Minor, Ref. #103**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://edtech.wku.edu/ste/programs/graduate/sec-ed/TR.htm>.

### **Admission Requirements**

Because this program leads to a professional teaching certificate, applicants must

1. Hold or be eligible to hold a teaching certificate at the secondary level, or
2. Have a valid secondary education conversion program on file with the Office of Teacher Services.

*Note: Conversion program must be completed prior to or simultaneously with the MAE.*

Candidates must declare both a major and a minor (one must be in Secondary Education).

The following majors are permitted: art, biology, chemistry, history, music, and secondary education.

This program permits minors in the following areas: agriculture, art education, biology, business education, chemistry, economics, English, family and consumer science, French, geography, German, health, history, technology education, mathematics, physical education, physics, secondary education, and Spanish.

The program may also be planned to include a certification endorsement for English as a Second Language, Gifted and Talented Education, Environmental Education, Instructional Computer Technology, or other approved endorsements.

### **Degree Requirements—30 hours**

#### *Professional Development Component—3 hours*

EDU 501 Seminar: Designing a Professional Development Plan (2 hours)

EDU 596 Portfolio Development & Professional Education Growth Plan (1-2 hours)

#### *Educational Psychology Component—3 hours*

PSY 510 Advanced Educational Psychology

PSY 511 Psychology of Learning

PSY 519 Psychological Perspectives on Classroom Behavior

#### *Strategies Component—3 hours*

EDU 544 Classroom Teaching Strategies

GTE 537 Curriculum, Strategies & Materials for Gifted Students

ENVE 580 Instructional Strategies Environmental Education

LTCY 524 Content Area Literacy

LTCY 444G Reading Secondary Grades

EDU 522 Foundations of Differentiated Instruction

EDU 524 Educational Assessment

Other courses may be selected with permission of the Department Head.

*Curriculum Component—3 hours*

SEC 580 The Curriculum

MGE 571 Middle School Curriculum

*Restricted Elective Component—3 hours*

EXED 516 The Exceptional Child: Perspectives and Issues\*

*Research/Assessment Component —3 hours*

†EDFN 500 Research Methods Content Specific Research Course

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

†EDFN 500 or other research course should be completed within the first 12 hours of the student's program.

*Specialization Component—12 hours*

Advisor-approved courses selected from discipline in which candidate is certified

**OR** Course work to complete any of the following endorsements: English as a Second Language, Gifted and Talented Education, Environmental Education, Instructional Computer Technology, or other approved endorsements.

## **Education Specialist: Secondary Education, Ref. # 119**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at

<http://edtech.wku.edu/ste/programs/graduate/sec-ed/EdS.htm>

This post-master's degree provides opportunity for the advanced graduate student to improve the foundations and competencies for teaching. The program may also be structured to meet Rank I salary requirements under Kentucky's minimum foundation program of education. The following emphases or specializations are available to the secondary education major: literacy, general curriculum and instruction, and gifted education. The EdS in Secondary Education requires 30 hours beyond a master's degree.

### **Admission Requirements**

In addition to meeting the admission requirements of Graduate Studies, applicants must meet the admission requirements for the School of Teacher Education and, if applicable, the department in which specialization courses are offered.

#### **School of Teacher Education Requirements:**

- Three years of teaching experience at the appropriate level. Up to two years of experience may be waived in favor of equivalent experience; and
- Four letters of recommendation: two from graduate faculty members and two from professional associates in administrative and/or supervisory roles.
- Student must hold initial or advanced certification in an area consistent with the focus of study.



- Students must have an overall 3.0 average in specialized field coursework
- Student must submit with their application a *Statement of Purpose* essay of approximately 750 words. The essay should discuss the applicant's personal, professional, and/or academic preparation for advanced graduate study, and how the EdS degree with a specific concentration will fit into the applicant's future professional development.

**Program Requirements—30 hours**

This program requires 30 hours beyond a master's degree.

*Professional Education Component—3 hours*

EDU 604 Management of the Learning Environment

*Research Methods or Statistics—3 hours*

EDFN 501 Educational Statistics or subject-related research methods or statistics course pertinent to the area of specialization

*Related Professional Education Courses—6-9 hours*

Advisor approved professional education courses

*Related Specialization Courses—9-12 hours*

Advisor-approved, subject-related courses pertinent to the area of specialization.

*Specialist Project—6 hours*

EDU 699 Specialist Project (6 hours total)

**OR** EDU 699 Specialist Project (3 hours) and  
Discipline-specific 699 course (3 hours)

**Non-Degree Planned Fifth-Year/Rank II Secondary Education, Ref. #125**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at

[http://edtech.wku.edu/st/programs/graduate/sec-ed/planned\\_5th\\_year.htm](http://edtech.wku.edu/st/programs/graduate/sec-ed/planned_5th_year.htm)

**Program Requirements—32 hours**

Professional Education Components—18 hours

*Professional Development Component—3 hours*

<sup>+</sup>EDU 501 Seminar: Designing Professional Development Plan (2 hour)

<sup>++</sup>EDU 596 Portfolio Development & Professional Education  
Growth Plan (1-2 hours)

*Educational Psychology Component—3 hours*

PSY 510 Advanced Educational Psychology

PSY 511 Psychology of Learning

PSY 519 Psychological Perspectives on Classroom Behavior

*Strategies Component—3 hours*

EDU 522 Foundations of Differentiated Instruction  
EDU 524 Educational Assessment  
EDU 544 Classroom Teaching Strategies  
ENVE 575 Introduction to Environmental Education  
LTCY 524 Content Area Literacy  
GTE 537 Curriculum, Strategies, & Materials for Gifted Students  
LTCY 444G Reading in the Secondary Grades

*Curriculum Component—3 hours*

SEC 580 The Curriculum  
MGE 571 Middle School Curriculum

*Restricted Elective Component—5 hours*

If an Exceptional Education course is not documented on the candidate's undergraduate or graduate transcript, the student must enroll in EXED 516.

If an EXED course is documented on the candidate's transcript, another course may be selected from

SEC 580 The Curriculum  
EDU 544 Classroom Teaching Strategies  
EDU 522 Foundations of Differentiated Instruction  
EDU 524 Educational Assessment  
GTE 537 Curriculum, Strategies, and Materials for Gifted Students  
PSY 519 Psychological Perspectives on Classroom Behavior  
LME 547 Integration of Educational Technology  
Any other graduate level professional education course with advisor approval.

*Research/Assessment Component (3 hours)*

EDFN 500 Research Methods  
**OR** Content specific research course

Specialization/Content Component—12 hours

Advisor approved

<sup>+</sup>Students should enroll in EDU 501 within the first 7 hours of course work.

<sup>++</sup>Students should enroll in EDU 596 after completing 25 hours of course work.

## **Non-Degree Planned Sixth-Year/Rank I Secondary Education, Ref. #124**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at [http://edtech.wku.edu/ste/programs/graduate/sec-ed/Rank\\_1\\_501-596.htm](http://edtech.wku.edu/ste/programs/graduate/sec-ed/Rank_1_501-596.htm).

### **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.

#### *Required Professional Courses—5 hours*

EDU 604 Management of the Learning Environment

\*EDU 501 Seminar: Designing Professional Development Plan

†EDU 596 Portfolio Development & Professional Education Growth Plan

#### *Related Professional Courses—7-13 hours (Chosen with advisor)*

Secondary Education Major—13 hours including EXED 516‡

Secondary Education Minor—7 hours including EXED 516‡

#### *Related Specialization Courses—12-18 hours (Chosen with advisor)*

Secondary Education Major—12 hours

Secondary Education Minor—18 hours

\*Students should enroll in this course within the first 7 hours of the program.

†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.

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

## **Alternate Route to Teacher Certification—Master of Arts in Education Middle Grades/Secondary Education, Ref. # 103**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at [http://edtech.wku.edu/~teachsvs/alternate\\_route/index.htm](http://edtech.wku.edu/~teachsvs/alternate_route/index.htm).

A recommendation for certification will be contingent upon successful completion of the Kentucky Teacher Internship Program (KTIP) and submission of qualifying scores on the *Principles of Learning and Teaching*. All requirements for certification must be completed within three years of the time of employment by a school district.

### **Admission Requirements**

1. Completion of content course work in the following: single subject for Middle Grades Education mathematics and sciences or two of the following mathematics, science, language arts, or social studies. Completion of content course work for secondary certification: art, biology, chemistry, history, music, English, French, German, Spanish, or physics.

2. Completion of a baccalaureate degree with an overall undergraduate GPA of 2.5 or higher;
3. Passing score on PRAXIS II exams on file before starting program;
4. Acceptable GAP score and GRE writing score on file in Graduate Studies before starting program;
5. Commitment of employment from a Kentucky school district before beginning program;
6. Meet the admission requirements identified by the respective content area; and
7. Favorable recommendation based on interview by screening committee, which will include a faculty member from the identified content area.

### **Degree Requirements—30 hours**

#### Required Professional Education Course Components –21 hours

##### *Professional Development Component—6 hours*

- EDU 501 Seminar: Designing Professional Development Plan
- EDU 596 Portfolio Development and Professional Education Growth Plan
- EDU 590 Advanced Internship

##### *Educational Psychology Component—3 hours*

- PSY 511 Psychology of Learning
- OR** PSY 510 Advanced Educational Psychology

##### *Curriculum Component—3 hours*

- EDU 520 Planning for Instruction

##### *Strategies Component—3 hours*

- EDU 521 Implementing an Instructional Plan

##### *Exceptional Component—3 hours*

- EXED 516 Exceptional Child: Perspectives and Issues

##### *Research/Assessment Component—3 hours*

- EDFN 500 Research Methods

#### Content Related Component –9 hours

Courses will be selected from the teaching discipline. The specific selection of courses will be based upon candidate pre-assessment. The course selections must be approved by the candidate's program advisory committee, which will include a representative from the candidate's teaching discipline.

## **Environmental Education Endorsement P-12, Concentration KEV, Ref.# 132**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://www.wku.edu/cees/eecourses.php>.

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.

### **Endorsement Requirements**

#### *Required Core—6 hours*

ENVE 520 Introduction to Environmental Education  
ENVE 580 Instructional Strategies in Environmental Education

#### *Electives—6 hours*

ENVE 585 Special Topics in Environmental Education (repeatable to 6 hours)  
EDU 570 Workshops: Environmental Education  
EDU 507 / GEOS 507 Geography for Teachers  
REC 532 Environmental Education Resources  
REC 434G Environmental Interpretation  
GEOL 511 The Dynamic Earth  
Other courses chosen by the advisor and the environmental education endorsement coordinator

## **Gifted and Talented Education Endorsement P-12, Concentration KE37, Ref. #132**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://www.wku.edu/Dept/Support/AcadAffairs/Gifted/cmsmadesimple/index.php?page=gifted-talented-endorment>.

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.

*Required courses—12 hours*

- GTE 536 Nature and Needs of Gifted, Creative, and Talented Students (3 hours)
- GTE 537 Curriculum, Strategies, and Materials for Gifted Students (3 hours)
- PSY 432G Psychology of the Gifted and Creative (3 hours)
- GTE 538 Practicum for Teachers of Gifted Students (3 hours)

**Master of Arts in Education: Literacy Education, Ref. # 044**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://edtech.wku.edu/ste/programs/literacy/graduate.htm>.

The Master of Arts in Education – Literacy Education is tailored to upgrade literacy instruction at all grade levels and is open to teachers in regular classrooms, special education classrooms, special reading classes, basic adult education classes, and community college reading instructors.

**Admission Requirements**

Admission to the Master of Arts in Education-Literacy program requires a GAP score (undergraduate GPA x GRE score) of 2300 and a minimum GRE analytical writing score of 3.5. Applicants with a GAP score between 2200 and 2299 and at least a 3.5 Analytical Writing score may contact a member of the literacy faculty for information on documentation required under the alternate admissions policy of the program area. Applicants must have and submit a current teaching certificate when applying to the MAE: Literacy Education program. Thesis and non-thesis options are available to students.

**Degree Requirements—36 hours**

*Required Professional Education Component—21 hours*

- LTCY 518 Literacy Education and Technology
- LTCY 519 Foundations of Reading Instruction
- LTCY 520 Clinical Diagnosis of Reading Variability
- LTCY 521 Reading Intervention Practicum
- LTCY 524 Content Area Literacy
- LTCY 527 Literacy Learning & Cultural Differences
- LTCY 528 Literacy Research Methods & Evaluation

*Specialization Component—6 hours*

- Choose one of the following (3 hours)
  - LTCY 523 Diagnostic Reading Procedures for Classroom Teachers
  - LTCY 624 Seminar in Literacy Issues and Trends
  - LTCY 695 Internship in Literacy Supervision
- Restricted Electives: Choose one of the following (3 hours)
  - 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  
ELED 503 Organization of Elementary School Curriculum  
MGE 571 Middle School Curriculum  
EXED 516 Exceptional Child: Perspectives & Issues  
SEC 580 Curriculum  
ENG 596 Writing Project  
LME 518 Advanced Children's Literature  
LME 527 Literature for Young Adults  
EXED 523 Curriculum/Methods in Early Childhood Special Education  
IECE 591 Seminar in Interdisciplinary Early Childhood Education

*Research Foundations—3 hours*  
EDFN 500 Research Methods

*Thesis—6 hours*  
LTCY 599 Thesis

**OR**

*Non-Thesis Option—6 hours*  
LTCY 522 Investigations in  
Reading  
LTCY 624 Seminar in Literacy  
Issues and Trends

*Note: Hours above 30 may count toward Rank 1*

## **Master of Arts in Exceptional Education – Learning and Behavior Disorders, Ref. #0424**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://edtech.wku.edu/ste/programs/exced/mae-lbd.htm>.

This program provides preparation for students who wish to pursue careers in a P-12 school setting as teachers serving students with diverse learning needs, including Learning and Behavior Disorders. The School of Teacher Education, through the Exceptional Education program area, offers three concentrations within the MAE in Exceptional Education, LBD program:

- LBNC – Alternate Route to Certification in LBD and initial LBD Certification for those with no other teacher certification;
- LBOC – Initial LBD certification for those with prior teacher certification in another area or a statement of eligibility for such; and
- LBLB – Advanced LBD certification for those with prior certification in LBD

Within each concentration, the student is expected to become competent in theory, research, and application of best teaching practices related to exceptional students with Learning and Behavior Disorders and exhibit appropriate teacher disposition behaviors as indicated by the College of Education and Behavioral Sciences Teacher Disposition Rating Form. Student areas

of concentration will be based upon their current teaching certification or lack thereof. All courses in the program carry critical performance indicators (CPIs) that must be completed before the final course grade will be recorded. Each course's CPI becomes a part of the portfolio that is reviewed at the end of each semester for progress through the program.

For program and degree completion, a passing score on a comprehensive examination or action research capstone project is required. A GPA of 3.0 or higher in all graduate course work is required, with no grade lower than a C.

*Note: To be eligible to be recommended for teacher certification students must document that they have received a passing score on each required PRAXIS II examination. Students must pass all required PRAXIS II examinations before they may register for EXED 590.*

### **Admission Requirements**

Applicants must apply to and be accepted through WKU Graduate Studies according to current admission requirements. Once admitted through Graduate Studies, students must meet the requirements for admission into the MAE programs in Exceptional Education and the College of Education and Behavioral Sciences. The four admissions options for prospective students are outlined below.

1. Admission with GRE and GAP score:
  - a. Achieve a GAP (GRE-V plus GRE-Q multiplied by undergraduate GPA) score of 2200 or higher on the GRE and a GRE Analytical Writing score of 3.5 or higher. Applicant is responsible for maintaining contact with the Graduate College (270-745-2446).
  - b. EITHER possess a current, valid teaching certificate (a copy of which must be submitted with the application), OR document a 2.5 GPA for all previous course work (undergraduate and graduate) and meet all other requirements for admission to teacher education; and
  - c. Submit an admission portfolio with the application to Graduate Studies. The portfolio must include an application letter, a philosophy of education, two letter of reference from college/university faculty, and two letters of reference from school personnel.
  - d. Exhibit acceptable teacher disposition behaviors as indicated by the College of Education and Behavioral Sciences Teacher Disposition Rating Form.
  - e. All admissions materials must be received by March 1 for admission to the summer terms or May 1 for admission to the fall term for priority consideration.
  
2. WKU graduates with an undergraduate GPA of 2.75 or higher may apply to be considered for admission without the GRE. These students must submit the following materials with the application for admission:
  - a. a letter of application that explains why they should be exempt from the GRE;
  - b. a written philosophy of education;
  - c. two references from faculty members that detail their potential as graduate students;
  - d. two references from public school teachers and/or administrators that address their dispositions to teach; and
  - e. teaching certificate or statement of eligibility, if applicable.



3. Graduates of accredited universities with an undergraduate GPA of 3.0 or higher may apply to be considered for admission without the GRE. These students must submit the following materials with the application for admission:
  - a. a letter of application that explains why they should be exempt from the GRE;
  - b. a written philosophy of education;
  - c. two references from faculty members that detail their potential as graduate students;
  - d. two references from public school teachers and/or administrators that address their dispositions to teach; and
  - e. teaching certificate or statement of eligibility, if applicable.
  
4. Students who are graduates of an accredited college or university with a master's degree and who earned a graduate GPA of 3.0 or higher may apply to be considered for admission without the GRE. These students must submit the following materials with the application for admission:
  - a. a letter of application that explains why they should be exempt from the GRE;
  - b. a written philosophy of education;
  - c. two references from faculty members that detail their potential as graduate students;
  - d. two references from public school teachers and/or administrators that address their dispositions to teach; and
  - e. teaching certificate or statement of eligibility, if applicable.

### **Degree Requirements**

The LBNC concentration comprises 21 hours of core courses, 6 hours of introductory Exceptional Education courses, 3 hours of Literacy courses, 3 hours of electives and 6 hours of field experience/internship courses, for a total of 39 credit hours.

The LBOC and LBLB concentrations comprise 21 hours of core courses, 3 hours of advanced Exceptional Education course work, and 6 hours of field work or action research course work, for a total of 30 credit hours.

#### *Required Core for LBNC, LBOC, and LBLB Concentrations—21 hours*

EDFN 500 Research Methods

**OR** EXED 534 Research in Exceptional Child Education

PSY 519 Psychological Perspectives on Classroom Behavior

**OR** PSY 540 Behavior Problems of Childhood and Adolescence

**OR** EXED 518 Issues in Behavior Management

EXED 532 Families, Professionals, and Exceptionalities

EXED 530 Advanced Assessment Techniques

EXED 531 Advanced Prescriptive Teaching

EXED 517 Transition Services and Programming

EXED 630 Special Education Law

## **Master of Arts in Exceptional Education – Learning and Behavior Disorders Initial Certification, Concentration Code: LBNC**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://edtech.wku.edu/ste/programs/exced/mae-lbd.htm>.

The MAE in LBD, Initial Certification, is for individuals who are not certified in any area of education. Individuals in this concentration may or may not be employed as teachers. For those individuals who are *not* currently employed as teachers of students with Learning and Behavior Disorders, this 39-hour program consists of course work in the diagnosis and assessment of learning disabilities, prescriptive teaching, transition service programming, research in Exceptional Education, and content areas. *This concentration is for those individuals with no prior teaching certification in any area and who may or may not be employed as a teacher of students with Learning and Behavior Disorders. 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 a student teaching experience and will be eligible for a Statement of Eligibility for certification as a teacher of students with LBD.*

Students must pass PRAXIS II before beginning the student teaching experience and must complete the Kentucky Teacher Internship Program (KTIP) to be eligible to be recommended for certification as teachers of students with Learning and Behavior Disorders in the state of Kentucky.

For individuals who are currently employed (or have written documentation of a school district's intent to employ them) as teachers of record for students with Learning and Behavior Disorders, this 39-hour program consists of course work in the diagnosis and assessment of learning disabilities, prescriptive teaching, transition service programming, research in Exceptional Education, and content areas. *Individuals who have no prior teaching certification in any area and who verify an offer of employment in an approved setting are eligible for recommendation for a Temporary Provisional Teaching Certificate in LBD. This certificate is issued for one year and is renewable for two additional years (total of 3 years). Students in this program must complete ALL state and university requirements within the three-year time frame.*

Upon completing the program, passing PRAXIS II, and completing the Kentucky Teacher Internship Program (KTIP), these students will be eligible to be recommended for certification as teachers of students with Learning and Behavior Disorders, Grades P-12, in the state of Kentucky.

### **LBNC Program Requirements—39 hours**

#### *Required Core for LBNC—21 hours*

EDFN 500 Research Methods

**OR** EXED 534 Research in Exceptional Child Education

PSY 519 Psychological Perspectives on Classroom Behavior

**OR** PSY 540 Behavior Problems of Childhood and Adolescence

**OR** EXED 518 Issues in Behavior Management

EXED 532 Families, Professionals, and Exceptionalities

EXED 530 Advanced Assessment Techniques

EXED 531 Advanced Prescriptive Teaching

EXED 517 Transition Services and Programming

## EXED 630 Special Education Law

### *Specific Course Requirements—18 hours*

- EXED 515 Education of Exceptional Children
- EXED 516 Exceptional Child: Perspectives and Issues
- LTCY 519 Foundations of Reading Instruction
- EXED 590 Internship in Special Education (6 hours)
- Advisor-approved content elective

## **Learning and Behavior Disorders w/Other Certification, Concentration Code: LBOC**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://edtech.wku.edu/st/programs/exced/mae-lbd.htm>.

This 30-hour program consists of course work in the diagnosis and assessment of learning disabilities, prescriptive teaching, transition service programming, and research in Exceptional Education, and content areas. *This concentration is for those individuals who hold a valid teaching certificate or statement of eligibility for such certification in an area other than Exceptional Education LBD and are seeking LBD certification through their master's degree course work.*

### **LBOC Program Requirements—30 hours**

#### *Required Core for LBOC—21 hours*

- EDFN 500 Research Methods
  - OR** EXED 534 Research in Exceptional Child Education
- PSY 519 Psychological Perspectives on Classroom Behavior
  - OR** PSY 540 Behavior Problems of Childhood and Adolescence
  - OR** EXED 518 Issues in Behavior Management
- EXED 532 Families, Professionals, and Exceptionalities
- EXED 530 Advanced Assessment Techniques
- EXED 531 Advanced Prescriptive Teaching
- EXED 517 Transition Services and Programming
- EXED 630 Special Education Law

#### *Specific Course Requirements—9 hours*

- EXED 516 Exceptional Child: Perspectives and Issues
- EXED 533 Seminar: Curriculum for LBD
- EXED 590 Internship in Special Education (3 hours)

## **Learning and Behavior Disorders with LBD Certification, Concentration Code: LBLB**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://edtech.wku.edu/ste/programs/exced/mae-lbd.htm>.

This concentration is for individuals who have prior teaching certification in Exceptional Education – LBD. This 30-hour program consists of course work in the diagnosis and assessment of learning disabilities, prescriptive teaching, transition service programming, and research in Exceptional Education, and content areas.

### **LBLB Program Requirements—30 hours**

#### *Required Core for LBLB—21 hours*

EDFN 500 Research Methods

**OR** EXED 534 Research in Exceptional Child Education

PSY 519 Psychological Perspectives on Classroom Behavior

**OR** PSY 540 Behavior Problems of Childhood and Adolescence

**OR** EXED 518 Issues in Behavior Management

EXED 532 Families, Professionals, and Exceptionalities

EXED 530 Advanced Assessment Techniques

EXED 531 Advanced Prescriptive Teaching

EXED 517 Transition Services and Programming

EXED 630 Special Education Law

#### *Specific Course Requirements—9 hours*

EXED 533 Seminar: Curriculum for LBD

EXED 599 Thesis (6 hours)

**OR**

#### *Specific Course Requirements—9 hours*

EXED 533 Seminar: Curriculum for LBD

EXED 590 Internship in Special Education

EXED 534 Research in Exceptional Education

## **Master of Arts in Exceptional Education – Moderate/Severe Disabilities, Ref. #0425**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://edtech.wku.edu/ste/programs/exced/mae-msd.htm>.

This program provides preparation for students who wish to pursue careers in a P-12 school setting as teachers serving students with Moderate and Severe Disabilities. The School of Teacher Education, through the Exceptional Education program area, offers three concentrations within the MAE in Exceptional Education, MSD program:

- MSDO – Moderate and Severe Disabilities for those holding certification in any area other than Exceptional Education;
- MSDM – Moderate and Severe Disabilities for those holding previous certification in MSD; and
- MSDL – Moderate and Severe Disabilities for those holding Exceptional Education LBD certification.

Within each concentration, the student is 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 disposition behaviors as indicated by the College of Education and Behavioral Sciences Teacher Disposition Rating Form. All courses in the program carry critical performance indicators (CPIs) that must be completed before the final course grade will be recorded. Each course's CPI becomes a part of the portfolio that is reviewed at the end of each semester for progress through the program.

All three Moderate and Severe concentrations – MSDO, MSDM, and MSDL - comprise 18 hours of core coursework and 12-15 hours of course work specific to their concentration for a total of 30-33 credit hours.

Students have the option of adding the Autism Spectrum Disorders Certificate to any MSD concentration and may include 4 ASD Courses within their program of study. This may add additional credit hours to a full program. The five Autism Certificate courses are EXED 610; EXED 612; EXED 615; EXED 618; and EXED 619.

Successful completion of a comprehensive examination or action research capstone project is required. A GPA of 3.0 or higher in all graduate course work is required, with no grade lower than a “C.”

*Note: To be eligible for a recommendation for teacher certification, students must document that they have received a passing scores on each required PRAXIS II examination. Students must pass all required PRAXIS II examinations before they may register for EXED 590.*

### **Admission Requirements**

Applicants must apply to and be accepted through WKU Graduate Studies according to current admission requirements. Once admitted through Graduate Studies, students must meet the requirements for admission into the MAE programs in Exceptional Education and the College of Education and Behavioral Sciences. The four admissions options for prospective students are outlined below.

1. Admission with GRE and GAP score:
  - a. Achieve a GAP (GRE-V plus GRE-Q multiplied by undergraduate GPA) score of 2200 or higher on the GRE and a GRE Analytical Writing score of 3.5 or higher. Applicant is responsible for maintaining contact with the Graduate College (270-745-2446).
  - b. EITHER possess a current, valid teaching certificate (a copy of which must be submitted with the application), OR document a 2.5 GPA for all previous course work (undergraduate and graduate) and meet all other requirements for admission to teacher education; and
  - c. Submit an admission portfolio with the application the Graduate Studies. The portfolio must include an application letter, a philosophy of education, two letters of

- reference from college/university faculty, and two letters of reference from school personnel.
- d. Exhibit acceptable teacher disposition behaviors as indicated by the College of Education and Behavioral Sciences Teacher Disposition Rating Form.
  - e. All admissions materials must be received by March 1 for admission to the summer terms or May 1 for admission to the fall term for priority consideration.
2. WKU graduates with an undergraduate GPA of 2.75 or higher may apply to be considered for admission without the GRE. These students must submit the following materials with the application for admission:
    - a. a letter of application that explains why they should be exempt from the GRE;
    - b. a written philosophy of education;
    - c. two references from faculty members that detail their potential as graduate students;
    - d. two references from public school teachers and/or administrators that address their dispositions to teach; and
    - e. teaching certificate or statement of eligibility, if applicable.
  3. Graduates of accredited universities with an undergraduate GPA of 3.0 or higher may apply to be considered for admission without the GRE. These students must submit the following materials with the application for admission:
    - a. a letter of application that explains why they should be exempt from the GRE;
    - b. a written philosophy of education;
    - c. two references from faculty members that detail their potential as graduate students;
    - d. two references from public school teachers and/or administrators that address their dispositions to teach; and
    - e. teaching certificate or statement of eligibility, if applicable.
  4. Students who are graduates of an accredited college or university with a master's degree and who earned a graduate GPA of 3.0 or higher may apply to be considered for admission without the GRE. These students must submit the following materials with the application for admission:
    - a. a letter of application that explains why they should be exempt from the GRE;
    - b. a written philosophy of education;
    - c. two references from faculty members that detail their potential as graduate students;
    - d. two references from public school teachers and/or administrators that address their dispositions to teach; and
    - e. teaching certificate or statement of eligibility, if applicable.

### **Moderate and Severe Disabilities, Initial Certification Concentration Code: MSDO**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://edtech.wku.edu/ste/programs/exced/mae-msd.htm>.

This concentration is for those individuals who have prior teaching certification in any area except Exceptional Education. This 30-hour program consists of course work in the diagnosis and assessment of individuals with moderate and severe disabilities, prescriptive teaching, transition services programming, and research in Exceptional Education.

### **Program Requirements—30 hours**

#### *Required Core for MSDO—18 hours*

EDFN 500 Research Methods

**OR** EXED 534 Research in Exceptional Education

PSY 519 Psychological Perspectives on Classroom Behavior

**OR** EXED 518 Issues in Behavior Management

EXED 535 Curriculum for MSD

EXED 419G Assistive Technology/Classroom

**OR** EXED 619 Assistive Technology for ASD

EXED 610 Introduction to ASD

EXED 630 Special Education Law and Finance

#### *Specific Course Requirements—12 hours*

EXED 532 Families, Professionals, and Exceptionalities

EXED 530 Advanced Assessment Techniques

EXED 517 Transition Services and Programming

EXED 590 Internship in Special Education

### **Moderate and Severe Disabilities w/ previous MSD Certification, Concentration Code: MSDM**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://edtech.wku.edu/st/programs/exced/mae-msd.htm>.

This concentration is for those individuals who hold prior certification or a Statement of Eligibility for certification in Exceptional Education, Moderate and Severe Disabilities (MSD). This 30-hour program consists of course work in the diagnosis and assessment of individuals with moderate and severe disabilities, prescriptive teaching, and research in Exceptional Education.

### **Program Requirements—30 hours**

#### *Required Core for MSDM—18 hours*

EDFN 500 Research Methods

**OR** EXED 534 Research in Exceptional Education

PSY 519 Psychological Perspectives on Classroom Behavior

**OR** EXED 518 Issues in Behavior Management

EXED 535 Curriculum for MSD

EXED 419G Assistive Technology/Classroom

**OR** EXED 619 Assistive Technology for ASD

EXED 610 Introduction to ASD

EXED 630 Special Education Law and Finance

#### *Specific Course Requirements—12 hours*

EXED 615 Instr. Strategies and Design for ASD

EXED 618 Social Sk. and Beh. Programming for ASD

EXED 599 Thesis (6 hours)

**OR**

*Specific Course Requirements—12 hours*

EXED 615 Instr. Strategies and Design for ASD  
EXED 618 Social Skills and Behavior Programming for ASD  
EXED 590 Internship in Special Education  
EXED 534 Research in Exceptional Education

**Moderate and Severe Disabilities w/previous LBD Certification with Focus on Autism, Concentration Code: MSDL**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://edtech.wku.edu/ste/programs/exced/mae-msd.htm>.

This concentration is for those individuals who hold prior certification or a Statement of Eligibility for certification in Exceptional Education, Learning and Behavior Disorders. This 30-hour program consists of course work in the diagnosis and assessment of individuals with moderate and severe disabilities, prescriptive teaching, transition services programming, and research in Exceptional Education.

**Program Requirements—33 hours**

*Required Core for MSDL—18 hours*

EDFN 500 Research Methods  
**OR** EXED 534 Research in Exceptional Education  
PSY 519 Psychological Perspectives on Classroom Behavior  
**OR** EXED 518 Issues in Behavior Management  
EXED 535 Curriculum for MSD  
EXED 419G Assistive Technology/Classroom  
**OR** EXED 619 Assistive Technology for ASD  
EXED 610 Introduction to ASD  
EXED 630 Special Education Law and Finance

*Specific Course Requirements—15 hours*

EXED 517 Transition Services and Programming  
EXED 534 Seminar: Research in Excep. Child Educ.  
EXED 615 Instructional Strategies and Design for ASD  
EXED 618 Social Skills and Beh. Programming for ASD  
One 3-hour elective



## **Director of Special Education Rank I—30 hours, Ref. # 0426, Concentration Code PDS**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at [http://edtech.wku.edu/ste/programs/exced/dse\\_c.htm](http://edtech.wku.edu/ste/programs/exced/dse_c.htm).

### **Admission requirements:**

1. Has submitted an application to Graduate Studies, including a copy of current, valid teaching certificate for exceptional children or school psychologist.
2. Has a master's degree from an accredited institution.
3. Has been recommended for admission by the Exceptional Education Graduate Admission Committee.
4. Has completed three years full-time appropriate teaching experience with exceptional children or as a school psychologist.
5. Has a 3.2 GPA or above on all graduate work.

### **Level I – Director of Special Education — 30 hours**

#### *Prerequisite Courses*

EDFN 500 Research Methods

Three hours from the following:

EXED 330 Introduction to Exceptional Education: Diversity in Learning

EXED 516 The Exceptional Child: Perspectives and Issues

Three hours from the following:

EXED 518 Seminar: Contemporary Challenges in Special Education

EXED 510 Seminar: Speech Pathology

CNS 663 Counseling the Exceptional Child and Parent

Three hours from the following:

ELED 503 Organization of the Elementary School Curriculum

SEC 580 The Curriculum

MGE 571 Middle School Curriculum

EDAD 683 Seminar in Curriculum Development

Three hours from the following

EXED 533 Seminar: Curriculum for Learning and Behavior Disorders

EXED 535 Seminar: Curriculum for the Moderately & Severely Disabled

**OR** an advisor-selected substitute

#### *Required Courses*

EDAD 585 Fundamentals of School Administration

EDAD 677 School Law

EDAD/EXED 620 Seminar in the Administration of Special Education

EDAD/EXED 625 Practicum in the Administration of Special Education

EDAD/EXED 630 Special Education Law and Finance

*Note: 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.*

## **Level II – Certification program course work – 6 hours**

### *Required Courses*

- EDAD 598 Field-based Experience in Educational Administration & Supervision  
(Special Education)
- EDAD 686 Principles of Supervision

## **Director of Special Education Endorsement – 15 hours, Ref. #132, Concentration Code PDS**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at

[http://edtech.wku.edu/ste/programs/exced/dse\\_c.htm](http://edtech.wku.edu/ste/programs/exced/dse_c.htm)

### **Admission requirements:**

1. Has submitted an application to Graduate Studies, including a copy of current, valid teaching certificate for exceptional children or school psychologist.
2. Has a master's degree from an accredited institution.
3. Has been recommended for admission by the Exceptional Education Graduate Admission Committee.
4. Has completed three years full-time appropriate teaching experience with exceptional children or as a school psychologist.
5. Has a 3.2 GPA or above on all graduate work.

## **Level I Director of Special Education – 27 hours**

### *Prerequisite Courses*

- EDFN 500 Research Methods
- EDAD 677 School Law
- EDAD 585 Fundamentals of School Administration
- Three hours from the following
  - EXED 330 Introduction to Exceptional Education: Diversity in Learning
  - EXED 516 The Exceptional Child: Perspectives and Issues
- Three hours from the following
  - EXED 518 Seminar: Contemporary Issues
  - EXED 510 Seminar: Speech Pathology
- Three hours from the following
  - SEC 580 The Curriculum
  - ELED 503 Organization of the Elementary School Curriculum
  - MGE 571 The Middle School Curriculum
  - EDAD 683 Seminar in Curriculum Development

### *Required Courses*

- EDAD/EXED 620 Seminar in the Administration of Special Education
- EDAD/EXED 625 Practicum in the Administration of Special Education
- EDAD/EXED 630 Special Education Law and Finance

## **Level II Director of Special Education – 6 hours**

### *Required Courses*

EDAD 598 Field-based Experience in Educational Administration & Supervision  
EDAD 686 Principles of Supervision

## **Master of Arts in Education: Interdisciplinary Early Childhood Education, Ref. # 144**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at

<http://edtech.wku.edu/ste/programs/iece/graduate/index.htm>.

This program is designed to prepare early childhood educators to work with children, both with and without special needs, ages birth through kindergarten and their families. Program graduates are eligible to apply for certification in interdisciplinary early childhood education (IECE), birth to primary (B-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.

### **Admission Requirements**

In addition to meeting the graduate studies and College of Education and Behavioral Sciences admission 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 written professional 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 EXED 330 or EXED 516 or equivalent prior to entering the master's program or complete one of them as a program deficiency.

### **Program requirements—36 hours**

The performance-based program of study requires 36 semester hours of course work and 240 clock hours of field experiences. Approximately one-half of the field experience hours are completed as part of ongoing course work. The culminating experience of the program is a summer internship. During the final semester of course work, the candidate must also pass an oral comprehensive exam.

### *Prerequisites*

EXED 330 Introduction to Exceptional Education: Diversity in Learning  
EXED 516 The Exceptional Child: Perspectives and Issues

### *Professional education—9 hours*

IECE 523 Planning Curriculum & Instr in Interdisciplinary Early Childhood Education  
EXED 523 Curriculum/Methods in Early Childhood Special Education

## CD 486G Language Disorders

### *Specialization courses—12 hours*

CD 481G Speech & Language Development  
IECE 521 Assessment in IECE  
IECE 522 Family-Centered Services  
IECE 524 Internship in IECE

### *Content area courses—12 hours*

CFS 577 Seminar in Child Development Research  
IECE 520 Organizing Programs for IECE  
SWK 436G Services to Children  
PSY 645 Consultation in Educational & Mental Health Settings:  
Theory & Practice

### *Research foundation –3 hours*

EDFN 500 Research Methods

## **Planned Sixth-Year/Rank I in Interdisciplinary Early Childhood Education, Ref. # 156**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://edtech.wku.edu/stc/programs/iece/graduate/index.htm>.

This program is designed to prepare educators to work with children both with and without special needs, ages birth through kindergarten and their families. Program 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.

### **Admission Requirements**

In addition to meeting Graduate Studies and College of Education and Behavioral Sciences admissions requirements, applicants must complete the IECE application process through the School of Teacher Education. This application process includes documentation of early childhood related professional experiences and training, a professional written goals statement, and three letters of reference. Applicants must be officially admitted to the IECE program before beginning the program sequence. Students must also have had EXED 330 or EXED 516 or equivalent prior to entering the Rank I program or complete one of them as a program deficiency.

### **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.

*Prerequisites*

EXED 330 Introduction to Exceptional Education: Diversity in Learning  
EXED 516 The Exceptional Child: Perspectives and Issues

*Professional education—21 hours*

CD 481G Speech & Language Development  
CD 486G Language Disorders  
IECE 521 Assessment in IECE  
IECE 522 Family-Centered Services  
IECE 524 Internship in IECE  
IECE 523 Planning Curriculum and Instruction in Interdisciplinary Early  
Childhood Education  
EXED 523 Curriculum/Methods in Early Childhood Special Education

*Content area courses—12 hours*

IECE 520 Organizing Programs for IECE  
CFS 577 Seminar in Child Development Research  
SWK 436G Services to Children  
PSY 645 Consultation in Educational & Mental Health Settings: Theory &  
Practice

## **Master of Science in Library Media Education, Ref. # 083**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://www.wku.edu/lme/general.html>

The Master of Science with major in LME prepares persons for service as library media specialists, training development specialists, educational technology specialists, and information service specialists in schools, colleges, public libraries, and private organizations. The Master of Science with a major in LME offers concentrations in library media and educational technology in addition to the general program of study.

### **Admission Requirements**

Admission to the program does not require prior teacher certification and students may complete the program without seeking any teacher certification. Students who hold a teaching certificate and seek additional certification must follow the requirements for one of the program concentrations. Admission requirements include the following:

- Submission of graduate application to Graduate Studies;
- GRE Analytical Writing score of 3.5 and GAP score of 2500. The GRE/GAP score requirements may be waived for applicants who have earned a previous master's degree from an accredited institution.
- Submission of official transcripts of all college work

- Submission of copy of teaching certificate (if student has earned a previous teaching certificate)

### **Degree Requirements—33 hours**

The Master of Science in Library Media Education requires a minimum of 30 hours plus a research tool. Eighteen hours are required in Library Media Education.

#### *Required Core—15 hours*

LME 501 Program Organization and Administration

LME 512 Issues in Library Media Education

\*LME 535 Survey of Educational Technology Practices

†LME 537 Principles of Educational Technology Applications

‡LME 590 Practicum

\* Prerequisite for LME 537

† Prerequisite is LME 535. Transfer credit is not accepted for LME 537.

‡ Permission of the instructor; completion of 24 hours of course work including LME 501, 512, 535, and 537; and admission to candidacy (completion of Form D).

#### *Research Tool—3 hours*

Successful completion (grade of A or B) of EDFN 500 or an equivalent approved by the student's advisor.

The remaining courses beyond the required core and research tool are selected with the approval of the graduate advisor based on an applicant's prior experience, previous academic work, and career goals.

The LME 590 Practicum course is the capstone experience required for completion of the degree program.

### **Concentrations**

For students who have an earned teaching certificate, the concentrations in the MS in LME degree with a held teaching certificate may fulfill the requirements for a change in Kentucky teacher rank (Rank II or Rank I) and the following Kentucky state certifications in library media and/or educational technology:

- Library Media- Certification as a P-12 school media librarian in Kentucky and/or change in Kentucky teaching rank.
- Educational Technology- P-12 Instructional Computer Technology Endorsement and change in Kentucky teaching rank.

#### **Concentration in Library Media**

In addition to completion of the 15-hour core and the research tool for the MS degree, the Concentration in Library Media meets certification requirements for the Kentucky School Media Librarian P-12 certificate for students who have an earned teaching certificate.

*Library Media Specialist Professional Specialization—9 hours*

LME 502 Collection Management  
LME 506 Classification and Cataloging  
LME 508 Information Sources and Services

*Electives—6 hours*

Appropriate courses in LME or other related field may be selected with the approval of the student's advisor. Suggested electives include LME 518 Advanced Children's Literature and LME 527 Advanced Young Adult Literature.

*Certification Examination*

While a certification examination is not a requirement for the Master of Science in LME, Kentucky does require a passing score on the PRAXIS II Subject Assessment-Library Media Specialist for certification as a school library media specialist. Students outside of Kentucky are responsible for determining the requirements for certification in their states.

*Program Requirements for Teachers Already Certified as Library Media Specialists*

A person who already holds initial certification as a Library Media Specialist at the graduate or undergraduate level (but not the MS in LME from WKU) must complete 6 semester hours of LME courses and at least 24 hours of other appropriate courses for the MS degree and change in Kentucky teaching rank. Selection of these courses is based on prior experience, previous academic work, and career goals; and requires advisor approval.

*Requirements for Initial Certification with the Master of Science in Library Media Education*

A person who does not hold a teaching certificate may obtain initial certification in Kentucky as a Library Media Specialist upon completion of the MS in LME Program, admission to Professional Education, a passing score on a required PRAXIS II PLT examination, and a passing score on the PRAXIS II Subject Assessment-Library Media Specialist. Information regarding the requirements for admission to Professional Education may be found at <http://edtech.wku.edu/programs/req-for-adm-to-prof-ed.htm>.

Concentration in Educational Technology

In addition to completion of the 15-hour core and the research tool for the MS degree, the Concentration in Educational Technology meets the requirements for the Kentucky P-12 Instructional Computer Technology Endorsement for those who have earned teaching certificate.

Requirements for the academic Educational Technology Certificate granted by the University may be met as part of the Master of Science in LME.

*Educational Technology Professional Specialization—9 hours*

Selected from the following courses:

LME 545 Educational Technology Production (Prerequisite: LME 537)  
LME 547 Integration of Educational Technology (Prerequisite: LME 537)  
LME 550 Emerging Technology in Education (Prerequisite: LME 535).

## LME 519 Special Topics

### *Electives—6 hours*

Appropriate courses in LME or other related field may be selected with the approval of the student's advisor.

### **Planned Sixth-Year/Rank I in Library Media Education, Ref. #0429**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://www.wku.edu/lme/>

The Planned Sixth-Year (Rank I) in Library Media Education is designed to enhance and enrich the skills and knowledge of the certified library media or educational technology specialist.

### **Admission Requirements**

The Planned Sixth-Year (Rank I) in Library Media Education is open to applicants who meet the following admission requirements:

- An application for admission to graduate study.
- Copies of transcripts for all college work.
- Evidence of Kentucky Rank II status with Kentucky Media Librarian (KML) certification or Kentucky Rank II/5<sup>th</sup> Year with an Instructional Computer Technology Endorsement. (*Because Rank II status is required and the program is not a degree, no GRE/GAP score is required.*)

Applicants with a Fifth-Year (Rank II) in a field other than library media or educational technology must complete the Master of Science degree in LME for initial certification as a Kentucky media librarian at the Sixth-Year (Rank I) level.

### **Program Requirements**

The Kentucky Rank I classification for certified school personnel requires the completion of a minimum of either (a) 30 semester hours of unduplicated and approved credit beyond the requirements for the Rank II classification (Planned Fifth Year-5<sup>th</sup> Year) or (b) 60 semester hours of approved and unduplicated graduate level credit including a master's degree. Students may be expected to meet additional admission requirements for additional certifications and/or endorsements, and university certificate programs appropriate to a specialization.

The Planned Sixth-Year (Rank I) program in LME requires 30 semester hours of unduplicated course work in addition to the requirements for a Planned Fifth Year (Rank II), or 60 unduplicated semester hours including a master's degree that includes 12 hours in the Professional Education Component and 18 hours in the Specialization Component.

### *Professional Education Component—12 hours*

EXED 516 Exceptional Child: Perspectives and Issues

LTCY 518 Literacy Learning and Technology

LME 519 Special Topics: Collaboration, Diversity, Leadership

LME 550 Emerging Technology in Education (prerequisite LME 535)



### *Specialization Component—18 hours*

Courses in the specialization must be approved by the designated graduate advisor based on an applicant's prior experience, previous academic work, and career goals.

*Content areas for the specialization may include but are not limited to* library media education, educational technology, instructional design, literacy, teacher leadership, adult education, information systems, electronic communication, writing, etc.

*Additional endorsements, academic certificates, and teacher certifications may include but are not limited to* instructional computer technology, school media librarian, gifted-talented education, ESL, reading and writing, environmental education, etc.

## **Educational Technology Certificate, Ref.# 167**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://www.wku.edu/lme/edutech.html#edtechcert>

The graduate Educational Technology Certificate is not a teaching endorsement and does not require teacher certification for admission. The Educational Technology Certificate is acknowledged on the student's graduate transcript.

Students may pursue the certificate program only or concurrently as part of a master's degree program. Teachers may also obtain the Educational Technology Certificate with the Instructional Computer Technology Endorsement P-12.

### **Certificate Requirements—12 hours**

#### *Required course work—12 hours*

LME 535 Survey of Educational Technology Practices or equivalent

LME 537 Principles of Educational Tech Applications (Prerequisite: LME 535)

Any six hours selected from the following courses (with advisor approval):

LME 545 Educational Technology Production

**OR** equivalent (Prerequisite LME 537)

LME 547 Integration of Educational Technology

**OR** equivalent (Prerequisite LME 537)

LME 550 Emerging Technology in Education

**OR** equivalent (Prerequisite: LME 535)

LME 737 Educational Technology Leadership

**OR** equivalent

## **Instructional Computer Technology Endorsement P-12, Concentration KCT, Ref.# 132**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://www.wku.edu/lme/edutech.html#ICTE>

The Instructional Computer Technology Endorsement P-12 for teachers may be pursued as part of the Educational Technology Concentration in the Master of Science in LME program; as part of the Master of Science in LME, School Media Librarian P-12 Certification Concentration; as an emphasis within another master's degree program in elementary, middle, or secondary education; as an emphasis in a planned fifth-year (Rank II) or planned sixth-year (Rank I)

program; or as a certification-only program. It may also be obtained concurrently with the graduate Educational Technology Certificate.

### **Endorsement Requirements—12 hours**

#### *Required course work—12 hours*

- LME 535 Survey of Educational Technology Practices or equivalent
- LME 537 Principles of Educational Tech Applications (Prerequisite: LME 535)
- Any six hours selected from the following courses (with advisor approval):
- LME 545 Educational Technology Production
  - OR** equivalent (Prerequisite LME 537)
- LME 547 Integration of Educational Technology
  - OR** equivalent (Prerequisite LME 537)
- LME 550 Emerging Technology in Education
  - OR** equivalent (Prerequisite: LME 535)
- LME 737 Educational Technology Leadership (for doctoral students)
  - OR** equivalent

### **Autism Spectrum Disorders Certificate, Ref.# 0441**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://kap.wku.edu/ASD-certificate.htm>.

This 15-hour program prepares students to provide academic, social, behavioral, communication, sensory, and community services and information to individuals diagnosed with ASD and their families. Individuals who complete the program will be knowledgeable about the various disorders included in the spectrum of autism, characteristics, educational strategies, collaboration efforts, communication, and technology skills to be implemented with individuals with ASD.

Enrollment in this program is restricted to post-master's students who have completed a degree in any of the following graduate programs: Education, Literacy, School Psychology, Communication Disorders, Social Work, Marriage and Family Therapy, Mental Health Counseling, Nursing, Public Health. It may also be appropriate for other post-master's individuals seeking to learn more about individuals who have been diagnosed with ASD.

The program consists of 15 hours of required courses: EXED 610 (prerequisite for all other courses), 612, 615, 618, and 619. EXED 612 requires completion of a 3-hour practicum (comprising at least 120 hours) at an approved site in the field of autism. To enroll in the practicum the student must have completed EXED 610, and the internship site and supervisor must be approved by the program coordinator.

### **Certificate Requirements—15 hours**

#### *Required courses—15 hours*

- EXED 610 Characteristics of Autism Spectrum Disorders and Pervasive Developmental Delays
- EXED 612 Collaboration with Schools and Agencies for Students with Autism Spectrum Disorders
- EXED 615 Instructional Strategies and Design for Students with Autism Spectrum Disorders

EXED 618 Social Skills Instruction and Behavioral Programming for Students  
with Autism Spectrum Disorders

EXED 619 Assistive Technological and Communication Interventions for Students with  
Autism Spectrum Disorders

The graduate Autism Spectrum Disorders certificate provides essential information regarding individuals diagnosed with ASD. Students examine research-based practices that have been identified for individuals with ASD as well as learn how to implement these strategies in the classroom and community. Practicum hours will be required.

### **Master of Science in Instructional Design, Ref. # 0428**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at <http://edtech.wku.edu/ste/programs/index.htm>

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, 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, multi-media 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 may expect 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.

## **Admissions Requirements**

Admission to the Master of Science in Instructional Design program requires a GAP score (undergraduate GPA X GRE score) of 2500 and a minimum GRE Analytical Writing score of 3.5.

## **Program requirements—30 hours**

The program includes one 3-hour research course, 15 hours of required courses, and 12 hours of advisor-approved electives selected from selected professional emphasis areas, for a program total of 30 hours.

### *Research Foundations – 3 hours*

EDFN 500 Research Methods

### *Required Courses – 15 hours*

ID 570 Principles of Instructional Design

ID 573 Instructional Performance and Task Analysis

ID 577 Management of Instructional Systems

ID 590 Practicum in Instructional Design

\*ID 595 Advanced Instructional Design Studio (Capstone Course)

### *Professional Emphasis – 12 hours*

Twelve hours of advisor-approved course work must be selected from courses in one or more of the following professional emphasis areas or other disciplines:

Adult Education

Assessment and Evaluation

Business

Communication

Curriculum and Instruction

Counseling and Student Affairs

Educational Administration and Leadership

Educational Technology

Instructional Design

ID 581 Ethical and Legal Issues in Instructional Design

ID 583 Training Materials

ID 585 Distance Delivery Systems

ID 587 Issues and Problems in Instructional Design

\* The capstone course requires the development and application of an authentic and professional quality product. 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.

## **Instructional Design Certificate, Ref.# 0418**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the program website at

[http://edtech.wku.edu/st/programs/certificates/graduate/instructional\\_design.htm](http://edtech.wku.edu/st/programs/certificates/graduate/instructional_design.htm)

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 9 hours of required courses and one 3-hour restricted elective, for a total of 12 hours.

### **Certificate requirements—12 hours**

#### *Required Courses—9 hours*

- ID 570 Principles of Instructional Design
- ID 573 Instructional Performance and Task Analysis
- ID 577 Management of Instructional Systems

#### *Electives – 3 hours*

One of the following:

- ID 581 Ethical and Legal Issues in Instructional Design
- ID 583 Training Materials
- ID 585 Distance Delivery Systems
- ID 587 Issues and Problems in Instructional Design
- Other related course with advisor's approval

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### Graduate Courses in Education

*All courses worth 3 credits unless otherwise noted.*

- +EDU 501 Seminar: Designing Professional Development Plan (2 hours)
- EDU 507 Geography for Teachers
- EDU 520 Planning for Instruction
- EDU 521 Implement Instructional Plan
- EDU 522 Foundations of Differentiated Instruction
- EDU 524 Educational Assessment
- EDU 544 Classroom Teaching Strategies
- EDU 590 Advanced Teaching Internship
- EDU 594 Practicum in Education or Behavioral Sciences (1-3 hours)
- EDU 595 Directed Study in Education or Behavioral Sciences
- ++EDU 596 Seminar: Portfolio Development and Professional Education Growth Plan (1-2 hours)
- EDU 597 Organization and Supervision of Student Teaching
- +EDU 598 Seminar: Evaluation of Professional Development Plan (1 hour)
- ^EDU 601 Seminar: Advanced Professional Development Plan (1 hour)
- EDU 604 Management of the Learning Environment
- EDU 695 Advanced Topics in Education (1-6 hours)
- †EDU 698 Seminar: Advanced Portfolio Project (2 hours)
- EDU 701 Leadership and Assessment I
- EDU 702 Leadership and Assessment II

<sup>+</sup>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.

<sup>++</sup>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.

<sup>^</sup>Students should enroll in EDU 601 within the first 7 hours of course work in the Non Degree Planned Rank I or Specialist Degree.

<sup>†</sup>Students should enroll in EDU 698 after completing at least 24 hours of course work in the Non Degree Planned Rank I or Specialist Degree.

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### Graduate Courses in Elementary Education

*All courses worth 3 credits unless otherwise noted.*

- |   |   |
|---|---|
| ELED 445G Intro to Educational Technology   | ELED 543 Interactive Teaching Skills                      |
| ELED 503 Organization of Elementary School Curriculum                                 | ELED 545 Investigations in Classroom Teaching (1-3 hours) |
| ELED 505 Advanced Materials and Methods in Modern Mathematics for Elementary Teachers | ELED 570 Workshop—Elementary Education (1-3 ours)         |
| ELED 506 Seminar in Elementary School Science   | ELED 599 Thesis Research and Writing (6 hours)            |
| ELED 507 Advanced Materials & Methods in Social Studies                               | ELED 600 Maintaining Matriculation (1-6 hours)            |
| ELED 508 Fnd Org Ear Ch   | ELED 603 Advanced Seminar Elementary Curriculum           |
| ELED 509 Adv Methods and Materials for Early Childhood Education                      | ELED 699 Specialist Project (6 hours)                     |
|   | ELED 700 Maintaining Matriculation (1-6 hours)            |

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### Graduate Courses in Environmental Education

*All courses worth 3 credit unless otherwise noted.*

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|---|---|
| ENVE 520 Intro to Environmental Education   | ENVE 580 Instruction Strategies Enviro Ed   |
| ENVE 560 Investigating Environmental Issues | ENVE 585 Special Topics in Enviro Education |

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**Graduate Courses in Exceptional Education**

*All courses worth 3 credits unless otherwise noted.*

- EXED 419G** Assistive Technology
- EXED 421G** Special Education and the Law: Interpretation and Application
- EXED 422G** Collaboration and Inclusion in School and Community Settings
- EXED 430G** Diagnosis for Instructional Planning: Students with Mild Disabilities
- EXED 431G** Language Intervention: Strategies and Materials
- EXED 432G** Applied Behavior Analysis
- EXED 460G** Special Problems (1-3 hours)
- EXED 515** Education of Exceptional Children
- EXED 516** Exceptional Child: Perspectives and Issues
- EXED 517** Transition Services and Programs for Individuals with Disabilities
- EXED 518** Seminar: Problems in Special Education
- EXED 523** Curriculum/Methods in Early Childhood Special Education
- EXED 530** Advanced Assessment Techniques
- EXED 531** Advanced Prescriptive Teaching
- EXED 532** Families, Professionals, and Exceptionalities
- EXED 533** Seminar: Curriculum for Learning and Behavior Disorders
- EXED 534** Research in Exceptional Education
- EXED 535** Curriculum for Individuals with Moderate and Severe Disabilities
- EXED 590** Advanced Internship in Exceptional Education
- EXED 599** Thesis Research and Writing (6 hours)
- EXED 600** Maintaining Matriculation (1-6 hours)
- EXED 610** Characteristics of Autism Spectrum Disorders and Pervasive Developmental Delays
- EXED 612** Collaboration with Schools and Agencies for Students with Autism Spectrum Disorders
- EXED 615** Instructional Strategies and Design for Students with Autism Spectrum Disorders
- EXED 618** Social Skills Instruction and Behavioral Programming for Students with Autism Spectrum Disorders
- EXED 619** Assistive Technological and Communication Interventions for Students with Autism Spectrum Disorders
- EXED 620** Seminar in the Administration of Special Education
- EXED 625** Practicum in the Administration of Special Education
- EXED 630** Special Education Law and Finance

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**Graduate Courses in Gifted & Talented Education**

*All courses worth 3 credits unless otherwise noted.*

- GTE 536** Nature and Needs of Gifted, Creative and Talented Students
- GTE 537** Curriculum, Strategies, and Materials for Gifted Students
- GTE 538** Practicum for Teachers of Gifted Students

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**Graduate Courses in Interdisciplinary Early Childhood Education**

*All courses worth 3 credits unless otherwise noted.*

- IECE 520** Organizing Programs for Interdisciplinary Early Childhood Education
- IECE 521** Assessment in Interdisciplinary Early Childhood Education
- IECE 522** Family-Centered Services
- IECE 523** Planning Curr Instr IECE
- IECE 524** Internship in Interdisciplinary Early Childhood Education
- IECE 525** Special Topics in IECE

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**Graduate Courses in Interdisciplinary Education**

*All courses worth 3 credits unless otherwise noted.*

- IED 703** Equity Pedagogy and Issues of Diversity
- IED 704** Leadership and Ethics of Teaching

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**Graduate Courses in Library Media Education**

*All courses worth 3 credits unless otherwise noted.*

**LME 407G** Literature/Young Adults

**LME 409G** Selected Topics (1-3 hours)

**LME 410G** Storytelling

**LME 411G** Creative Media Experiences for Children

**LME 445G** Introduction Educational Tech

**LME 448G** Technology Apps in Education

**LME 475G** Workshop (1-3 hours)

**LME 501** Program Organization and Administration

**LME 502** Collection Management

**LME 506** Classification and Cataloging

**LME 508** Information Sources and Services

**LME 509** Investigations in Educational Technology (1-3 hours)

**LME 512** Issues in Library Media Education

**LME 518** Advanced Children's Literature

**LME 519** Special Topics in Educational Technology (Up to 6 Hours)

**LME 527** Thematic Approach to Young Adult Literature

**LME 535** Survey of Educational Technology Practices

**LME 537** Principles of Educational Technology Application

**LME 545** Educational Technology Production

**LME 547** Integration of Educational Technology

**LME 550** Emerging Technology in Education

**LME 590** Practicum (1-3 hours)

**LME 591** Advanced Practicum in Library Media Education (1 hour)

**LME 599** Thesis Research and Writing

**LME 600** Maintaining Matriculation

**LME 737** Educational Technology and Leadership

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**Graduate Courses in Literacy**

*All courses worth 3 credits unless otherwise noted.*

**LTCY 421G** Reading in Middle School

**LTCY 444G** Reading in Secondary Grades

**LTCY 518** Literacy Learning and Technology

**LTCY 519** Foundations of Reading Instruction

**LTCY 520** Clinical Diagnosis of Reading Variability

**LTCY 521** Reading Intervention Practicum

**LTCY 522** Investigations in Reading (1-3 Hours)

**LTCY 523** Diagnostic Reading Procedures for Classroom Teachers

**LTCY 524** Content Area Literacy

**LTCY 527** Literacy Learning and Cultural Differences

**LTCY 528** Literacy Research Methods & Evaluations

**LTCY 599** Thesis Research and Writing (6 hours)

**LTCY 624** Seminar in Literacy Issues and Trends

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**Graduate Courses in Instructional Design**

*All courses worth 3 credits unless otherwise noted.*

**ID 570** Principles of Instructional Design

**ID 573** Instructional Performance and Task Analysis

**ID 577** Management of Instructional Systems

**ID 581** Ethical and Legal Issues in Instructional Design

**ID 583** Training Materials

**ID 585** Distance Delivery Systems

**ID 587** Issues and Problems in Instructional Design

**ID 590** Practicum in Instructional Design

**ID 595** Advanced Instructional Design Studio

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**Graduate Courses in Middle Grades Education**

*All courses worth 3 credits unless otherwise noted.*

**MGE 534** Seminar in Mathematics Education

**MGE 545** Investigations in Classroom Teaching (1-3 hours)

**MGE 570** Workshop in Middle School Education (1- 3 hours)

**MGE 571** Middle School Curriculum



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**Graduate Courses in Science and Mathematics Education**

*All courses worth 3 credits unless otherwise noted.*

- SMED 530** Literacy Support for Diverse Learners in Mathematics and Science  
**SMED 560** Developing Professional Learning Communities for Instructional Improvement  
**SMED 589** Science and Mathematics Education Internship Seminar  
**SMED 590** Teaching Internship (8 hours)  
**SMED 620** Collaborative Research to Improve Mathematics and Science Teaching  
**SMED 630** Action Research Project
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**Graduate Courses in Secondary Education**

*All courses worth 3 credit unless otherwise noted*

- |   |  |
|---|--|
| <b>SEC 445G</b> Introduction to Educational Technology                    | <b>SEC 539</b> Seminar in Agriculture Education              |
| <b>SEC 528</b> Seminar in the Teaching of Secretarial Subjects            | <b>SEC 545</b> Investigations Classroom Teaching (1-3 hours) |
| <b>SEC 529</b> Seminar in the Teaching of Bookkeeping &<br>Basic Business | <b>SEC 570</b> Workshop—Secondary Education                  |
| <b>SEC 534</b> Seminar in Mathematics Education                           | <b>SEC 580</b> The Curriculum                                |
| <b>SEC 535</b> Seminar in Music Education                                 | <b>SEC 599</b> Thesis Research and Writing (6 hours)         |
| <b>SEC 537</b> Seminar in Science Education                               | <b>SEC 600</b> Maintaining Matriculation (1-6 hours)         |
| <b>SEC 538</b> Seminar in Social Studies Education                        | <b>SEC 699</b> Specialist Project (6 hours)                  |
|   | <b>SEC 700</b> Maintaining Matriculation (1-6 hours)         |
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**Graduate Courses in Teacher Leadership**

*All courses worth 3 credits unless otherwise noted.*

- TCHL 500** Foundations of Teacher Leadership  
**TCHL 530** Curriculum Development  
**TCHL 540** Classroom Instruction: Instructional Strategies (1 hour)  
**TCHL 544** Classroom Instruction: Equitable School and Community Partnerships (1 hour)  
**TCHL 548** Classroom Instruction: Managing the Learning Environment (1 hour)  
**TCHL 550** Student Assessment I: Fundamentals of Student Assessment (1 hour)  
**TCHL 554** Student Assessment II: Standardized Testing (1 hour)  
**TCHL 558** Student Assessment III: Classroom Tests and Instruments (2 hours)  
**TCHL 560** Action Research for Teacher Leaders

## ***Department of Educational Administration, Leadership & Research***

William Schlinker, Department Head

[ed.administration@wku.edu](mailto:ed.administration@wku.edu)

<http://edtech.wku.edu/%7eedleader/schmenu.htm>

Tate Page Hall 425

(270) 745-4890 Office

(270) 745-5445 Fax

### **Graduate Faculty**

**Professors:** R. Keaster, C. Wagner, J. Wang

**Associate Professors:** J. Berger, S. Miller, W. Schlinker, S. Spall

**Assistant Professor:** K. Chon, G. Houchens

### **Degrees Offered**

Master of Arts in Education: Instructional Leader – School Principal, All grades

Specialist in Education School Administration

Master of Arts in Education: Adult Education

### **Planned Sixth-Year/Rank I and/or Certifications Offered**

Instructional Leader – School Principal, All Grades

Supervisor of Instruction

Director of Pupil Personnel Services

School Superintendent

### **Offered in the School of Teach Education**

Director of Special Education

## **Master of Arts in Education: Instructional Leader- School Principal, All Grades, Ref # 151**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the departmental website at <http://edtech.wku.edu/~edleader/>.

Students admitted to this program pursue one of two concentrations: Education Administration (**EAEA**) or School Leader (**EASL**). A minimum of 36 semester hours is required in the program to complete Level 1 Certification. For the EAEA nine (9) hours of professional education are required and 27 hours of Educational Administration courses are required. For the EASL concentration six (6) hours of professional education and 30 hours of educational administration courses are required. Field experiences are required in most courses. A portfolio and a comprehensive exam are exit requirements. Initial certification is contingent upon successful completion of mandated state tests. Completion of either concentration makes candidate eligible for Level I Instructional Leader-School Principal-All Grades certification upon passing the two required examinations.

Continuing certification is contingent upon additional Level II courses completed and/or the completion of Kentucky Department of Education approved professional development.

### **Educational Administration Concentration (EAEA) Admission Requirements**

1. Application to Graduate Studies and Research (Form A), including copy of current and valid teaching certificate;
2. A bachelor's degree from an accredited institution;

3. A qualifying GAP of 2200 (undergraduate GPA times GRE) and 3.5 or higher on the Analytic Writing subtest;
4. Recommendation for admission by the Educational Administration, Leadership, & Research Admission Committee.

In addition applicants must submit the following departmental admission materials:

1. Departmental application
2. Written personal statement
3. Three professional recommendations
4. Verification of employment and experience by district office
5. Recent snapshot after admittance (optional)

*Note: Forward all department application materials at one time and in one envelope.*

### **School Instruction Leader Concentration (EASL) Admission Requirements**

1. Application to Graduate Studies and Research (Form A) along with a current and valid teaching certificate;
2. A bachelor's degree from an accredited institution;
3. A qualifying GAP of 2200 (undergraduate GPA times GRE) and 3.5 or higher on the Analytical Writing; and
4. Recommendation for admission by the Educational Administration, Leadership, & Research faculty.

In addition applicants must submit the following departmental admission materials:

1. Departmental application
2. Four Letters of reference:
  - a. Immediate Supervisor
  - b. College Instructor
  - c. Professional Colleague
  - d. One of applicant's choosing
3. Current resume that includes all work experience, professional activities, and professional goals
4. Documentation of three years teaching experience and evidence of positive impact on student learning
5. Evidence of leadership experience (including school, district, state, national or in a community based agency)
6. A professional portfolio in accordance with guidelines in application packet
7. Complete an on-demand problem solving exercise
8. Evidence of essential technology competency such as word processing, Power Point, use of Internet, and spread sheet application
9. Demonstration of oral communication will be assessed in a separate exercise. Written communication will be assessed as part of the problem-solving exercise

*Note: Forward all department application materials at one time and in one envelope.*

## **Level I Instruction Leader- School Principal, All Grades, Requirements—36 hours**

*Required courses for both concentrations (EAEA and EASL)—21 hours*

EDFN 500 Research Methods  
PSY 510 Advanced Educational Psychology  
**OR** PSY 511 Psychology of Learning  
EDAD 588 Allocations and Use of Resources  
EDAD 597 Problems in Administration & Supervision  
EDAD 677 Legal Issues for Professional Educators  
EDAD 683 Leading Teaching and Learning  
EDAD 684 Instructional Leadership

*Educational Administration Concentration (EAEA)—15 hours*

EDFN 576 Issues and Trends in Education  
EDAD 585 Fundamentals of School Administration  
EDAD 594 Seminar in Leadership: Auxiliary Programs in Education  
EDAD 682 School Community Relations  
EDAD 690 The Principalship

*School Instructional Leader Concentration (EASL)—15 hours*

EDAD 586 Creating a High Performance Culture  
EDAD 611 Leading Change  
EDAD 680 Removing Barriers to Learning  
EDAD 688 Planning for School Improvement (6 hours)

*Exit Requirements for both concentrations (EAEA and EASL)*

1. Successful completion of comprehensive examination.
2. Presentation of well organized and high quality portfolio representative of the student's programmatic accomplishments, including performance assessments that demonstrate proficiency on each program standard.

## **Level II Instructional Leadership-School Principal, Requirements**

Required for both concentrations within the first five years of the administrative certification.

*Required courses for Educational Administration Concentration (EAEA)—9 hours*

EDAD 590 Administration of School Personnel  
EDAD 694 Seminar in Educational Administration  
EDAD 696 Advanced Organizational Theory

*Required courses for School Instructional Leader Concentration (EASL)*

EDAD 694 Seminar in Educational Administration  
(to be taken during year of initial employment)

## **Specialist in Education: School Administration, Ref. # 098**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the departmental website at <http://edtech.wku.edu/~edleader/>.

The Education Specialist Degree in School Administration is an advanced professional degree involving a minimum of 36 semester hours of study beyond the master's degree. The degree is designed primarily for those planning to enter the school principalship or other administrative/supervisory positions.

### **Admission Requirements**

1. 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;
2. A minimum score of 850 on the GRE, score in the 50<sup>th</sup> percentile or higher on the MAT, or a 646 Communication and 643 General Knowledge for the NTE;
3. A Graduate Studies and Research Application for Admission (Form A), along with a copy of current and valid teaching certificate;
4. Three recommendation letters from graduate faculty and/or professional associates; Educational Administration, Leadership, & Research application forms for programmatic admission; and
5. A departmental review.

### **Degree Requirements**

1. A minimum of thirty-six (36) semester hours of graduate credit in a planned program beyond the master's degree,
2. A minimum of twelve (12) semester hours must be full-time residence credit,
3. A minimum of nine (9) semester hours of residence credit must be completed before admission to candidacy and a minimum of fifteen (15) semester hours of credit after admission to candidacy.
4. Candidates may transfer a maximum of six (6) semester hours, approved by the student's advisory committee, from an institution with an accredited advanced graduate program in educational administration. At least twenty-one (21) semester hours must be in courses numbered 500 or above. Minimum full-time residence requirements may be met through two semesters, or a semester and a summer, or two summers.

### ***Specialist Project***

The specialist project is considered to be an integral part of the specialist program.

1. The student must enroll for six (6) hours of credit in EDAD 699.
2. The project shall be planned with reference to the student's field of specialization and professional goals.
3. The project may take the form of a field project, a creative study, or a more formal research study. Regardless of the form of the project, the study shall culminate in a written scholarly project.
4. This project must be approved by the student's graduate committee and by Graduate Studies and Research.
5. Copies of the written project will be bound and retained by the University Library.

6. Candidates must follow the guidelines of the Educational Administration, Leadership and Research Department.
7. The project must conform to APA Style and university guidelines.
8. The time limit for the completion of all requirements for the specialist degree is six years from the date of first registration in the Education Specialist Degree Program.
9. A student cannot be formally admitted to the Education Specialist Degree program until all admission requirements are met.

### **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.

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

1. A local district superintendent must nominate a candidate for the Alternate Route to Principal Certification program at WKU. The letter of nomination must specifically state that the superintendent is recommending the candidate to the school council and will be employed for the coming academic year if selected by the school council.
2. Once the letter of nomination and a letter of application from the candidate are received, WKU will admit the candidate to the Alternate Route to Principal Certification program providing the candidate is accepted by Graduate Studies and Research.
3. WKU will provide the candidate with a letter stating that the candidate has been admitted to the Alternate Route to Principal Certification program, thus, under the provision of Senate Bill #77 and state regulations, making the candidate eligible to interview and accept a principal position. It should be noted that these candidates have the same eligibility status as any other candidate who has completed a regular certification program and already has the certification endorsement.
4. WKU will also notify the Office of Teacher Certification/Services that the candidate has been admitted to the Alternate Route to Principal Certification program.
5. If the candidate is offered the position, the superintendent must provide verification of employment to WKU and the candidate. WKU will assign the candidate an advisor, who will prepare the student's program. The candidate will submit the verification of employment and a TC-TP to the Office of Teacher Certification/Services. That office will sign and verify the enrollment of the candidate in the Alternate Route to Principal Certification program and return the TC-TP to the candidate. The candidate will then forward the TC-TP with the verification of employment as a principal (or assistant principal) and the appropriate fee payment.
6. EPSB will issue the candidate a two-year, Temporary Provisional Certificate for All Grades Principal. The candidate will have two-years to complete all requirements for the principal certification, after which the candidate receives a regular Provisional Certification.

### Non-degree Certification Programs

- Principalship—All grades
- Supervisor of Instruction
- Director of Pupil Personnel
- School Superintendent

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

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

Students wishing to pursue one of the non-degree programs must make application to Graduate Studies and Research. Upon completion of the program, individuals must contact the Office of Teacher Certification/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.

### **Planned Sixth-Year/Rank I Instructional Leader, School Principal, All Grades, Ref. #121; or Instructional Leader, School Principal, All Grades Endorsement, Ref. #131**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the departmental website at <http://edtech.wku.edu/~edleader/>.

#### **Admission Requirements**

1. Has submitted an application to Graduate Studies and Research (Form A), including a copy of current and valid teaching certificate.
2. Has a master's degree from an accredited institution;
3. Has a 3.0 GPA or above on all graduate work;
4. Has submitted a department admission packet and been recommended for admission by the Educational Administration, Leadership, & Research Admission Committee.

*Specific details regarding admission requirements will be found on the department's Website, in the Graduate Catalog, and in the department's admission packet. The basis for this program revision is 16 KAR3:050 Instructional Leadership-School principal, All Grades.*

#### **Requirements**

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. Therefore, the student will complete all 27 hours in Educational

Administration course work. The total graduate hours must equal at least 60 hours to be recommended for Rank I. Field experiences are required in most courses. A portfolio is an exit requirement. Continuing certification is contingent upon additional Level II courses completed and/or the completion of Kentucky Department of Education approved professional development.

*Prerequisites*

A master's degree

*Level I required courses—27 hours*

EDAD 585 Fundamentals of School Administration  
EDAD 588 School Business Management  
EDAD 594 Seminar Leadership: Auxiliary Programs  
EDAD 597 Problems in Educational Administration & Supervision  
EDAD 677 School Law  
EDAD 682 School Community Relations  
EDAD 683 Seminar in Curriculum Development  
EDAD 684 Instructional Leadership  
EDAD 690 Principalship

*Level II required courses—9 hours*

EDAD 590 Administration of School Personnel  
EDAD 694 Seminar in Educational Administration  
EDAD 696 Advance Organizational Theory

**Planned Sixth-Year/Rank I Supervisor of Instruction – 33 hours - Ref. #121;  
or Supervisor of Instruction Endorsement – 15-18 hours – Ref. # 131**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the departmental website at <http://edtech.wku.edu/~edleader/>.

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

The endorsement for Supervisor of Instruction may be recommended when the student has met the following conditions:

1. Has completed three years full-time appropriate teaching experience;
2. Has master's degree from an accredited institution;
3. Has a 3.2 GPA or above on all graduate work;
4. Has completed appropriate prerequisite courses.

*Prerequisite courses*

EDFN 500 Research Methods  
PSY 510/511 Advanced Educational Psychology/Psychology of Learning  
EDFN 576 Issues and Trends in Education  
Six hours from the following



SEC 580 The Curriculum  
MGE 571 The Middle School Curriculum  
EDAD 683 Leading Teaching and Learning  
ELED 503 Organization of the Elementary School Curriculum

**Level I – Supervisor of Instruction (Concentration Code ILV1) Requirements–18 hours**

*Required courses—15 hours*

EDAD 585 Fundamentals of School Administration  
EDAD 684 Instructional Leadership  
EDAD 686 Principles of Supervision  
LTCY 519 Foundations of Reading Instruction  
EXED 516 The Exceptional Child: Perspectives & Issues

*Electives—3 hours*

CNS 551 Classroom Guidance  
CNS 565 Elementary Guidance Services (or equivalent)  
CNS 566 Secondary Guidance Services (or equivalent)

*Note: 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.*

**Level II – Certification program course work (Concentration Code ILV2)– 12 hours**

*Required courses—12 hours*

EDAD 677 Legal Issues for Professional Educators  
EDAD 682 School-Community Relations  
EDAD 594 Seminar on Leadership: Auxiliary Programs in Education  
EDAD 694 Seminar in Educational Administration

**Planned Sixth-Year/Rank I Director of Pupil Personnel Services – 30 hours, Ref. # 121, Concentration Code PAPP (Certification)**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the departmental website at <http://edtech.wku.edu/~edleader/>.

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.

The endorsement for Director of Pupil Personnel may be recommended when the student has met the following conditions:

1. Has completed three (3) years full-time appropriate teaching experience or employment in a school setting;
2. Has a master's degree from an accredited institution;
3. Has a 3.2 GPA or above on all graduate work;
4. Has completed the appropriate prerequisite courses.

## **Level I Director of Pupil Personnel Services Requirements—36 hours**

### *Prerequisite courses—15 hours*

- EDFN 500 Research Methods
- PSY 510/511 Advanced Educational Psychology/Psychology of Learning
- EDFN 576 Issues & Trends in Education
- Three hours from the following courses
  - SEC 580 The Curriculum
  - ELED 503 Organization of the Elementary School Curriculum
  - MGE 571 The Middle School Curriculum
  - EDAD 683 Leading Teaching and Learning
- Three hours from the following
  - CNS 551 Classroom Guidance
  - CNS 565 Elementary Guidance Services (or equivalent)
  - CNS 566 Secondary Guidance Services (or equivalent)

### *Required courses—21 hours*

- EDAD 583 Accounting for Pupil Personnel
- EDAD 585 Fundamentals of School Administration
- EDAD 588 Allocations and Use of Resources
- EDAD 649 School System Administration
- EDAD 677 Legal Issues for Professional Educators
- EDAD 684 Instructional Leadership
- EXED 516 The Exceptional Child: Perspectives & Issues

## **Level II Director of Pupil Personnel Services Requirements—6 hours**

### *Required courses—6 hours*

- EDAD 594 Seminar in Leadership: Auxiliary Programs in Education
- EDAD 682 School-Community Relations

*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.*

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

## **Director of Pupil Personnel Services Endorsement – 15 hours, Ref. #131, Concentration Code PAPP (Certification)**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the departmental website at <http://edtech.wku.edu/~edleader/>.

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.

The endorsement for Director of Pupil Personnel may be recommended when the student has met the following conditions:

1. Has completed three (3) years full-time appropriate teaching experience or employment in a school setting;
2. Has a master's degree from an accredited institution;
3. Has a 3.2 GPA or above on all graduate work;
4. Has completed the appropriate prerequisite courses; and

### **Level I Director of Pupil Personnel Services Requirements—27 hours**

#### *Prerequisite Courses*

EDFN 500 Research Methods

PSY 510/511 Advanced Educational Psychology/Psychology of Learning

EXED 516 The Exceptional Child: Perspectives & Issues

EDFN 576 Issues & Trends in Education

Three hours from the following

SEC 580 The Curriculum

ELED 503 Organization of the Elementary School Curriculum

MGE 571 The Middle School Curriculum

EDAD 683 Leading Teaching and Learning

Three hours from the following

CNS 551 Classroom Guidance

CNS 565 Elementary Guidance Services (or equivalent)

CNS 566 Secondary Guidance Services (or equivalent)

#### *Required courses—9 hours*

EDAD 583 Accounting for Pupil Personnel

EDAD 585 Fundamentals of School Administration

EDAD 677 Legal Issues for Professional Educators

### **Level II Director of Pupil Personnel Services Requirements—6 hours**

#### *Required courses—6 hours*

EDAD 594 Seminar in Leadership: Auxiliary Programs in Education

EDAD 682 School-Community Relations

## **Superintendent Endorsement, Ref. #131, 12 hours – Code KST**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the departmental website at <http://edtech.wku.edu/~edleader/>.

### **Admission Requirements**

An applicant desiring to pursue this program must first meet the admission requirements of Graduate Studies and Research to be admitted to the department.

#### *Admission prerequisites*

1. Has completed Level I and II preparation requirements for administrative endorsement as principal or supervisor;
2. Has a 3.2 GPA or above on all graduate work;
3. Has an acceptable score on the GRE, MAT, or NTE; and
4. Submits recommendations.

### **Endorsement Requirements**

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 graduate credit above the bachelor's degree in (an) approved certification program(s), including the following required courses:
  - EDAD 639 The Superintendency
  - EDAD 649 School System Administration
  - EDAD 659 Strategic Planning in Education
  - \* EDAD 598 Field Based Experience in Educational Administration-Superintendency
  - \*EDAD 598 – 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. Students will receive an “IP” grade for 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.

## **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.

### **Admission Requirements**

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 TC-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.

### **Alternative Admission Requirements**

Applicants seeking admission to any degree program, other than the Ed. D., without the qualifying GAP score may apply under one of the following alternatives:

#### *Alternative 1*

1. Submit a professional portfolio,
2. Submit professional letters of recommendation,
3. Successfully complete three years of classroom teaching,
4. Submit to an interview, and
5. Meet all other university, college, and department requirements.

#### *Alternative 2*

1. Possess a master's degree from an accredited institution,
2. Have a GPA of 3.2 or higher on all graduate work,
3. Have NTE scores (Communication Skills 646 and General Knowledge 643) or 50th percentile or higher on the MAT,
4. Have three years of successful teaching experience,
5. Submit directly to the department the following:
  - a. Department application
  - b. Written personal statement
  - c. Three professional recommendations, and
6. Meet all other university, college, and department requirements.

### *Alternative 3*

1. Possess a master's degree from an accredited institution,
2. Have a GPA of 3.4 on all master's degree course work
3. Have acceptable GRE scores,
4. Have three years of successful teaching experience, and
5. Participate in an interview by the Educational Administration, Leadership, & Research Admission Committee. Interviews may be held prior to each regular enrollment period and will focus on determining the candidate's written and oral communication skills as well as potential for success as an educational leader. Questions related to the interview should be directed to the Educational Administration, Leadership, and Research office (270-745-4890), and
6. Meet all other university, college, and department requirements.

### **Master of Arts in Education: Adult Education, Ref. # 047**

The most current program information (e.g., admission requirements, required curriculum, etc.) may be found on the departmental website at <http://edtech.wku.edu/~edleader/>.

The Master of Arts in Education in Adult Education prepares students for professional adult education practice at the graduate level to teach adults in a variety of settings. These settings include community education, adult basic education, adult literacy, corporate training, human resources and organizational development, workplace training, patient education, technical and community colleges, and other adult learning centers. Students select the General concentration, the Community and Technical College Concentration, or the Higher Education Concentration.

### **Admission Requirements**

Admission to all ADED concentrations requires the student to meet one of the following:

1. Admission with GRE and GAP score:
  - a. Achieve a GAP (GRE-V plus GRE-Q multiplied by undergraduate GPA) score of 2200 or higher on the GRE and a GRE Analytical Writing score 3.5 or higher.
2. WKU graduates with an undergraduate GPA of 2.75 or higher may apply to be considered for admission without the GRE. These students must submit the following materials with the application for admission:
  - a. a letter of application that explains why they should be exempt from the GRE
  - b. a written philosophy of education
  - c. two letters of reference from faculty members that detail their potential as graduate students
  - d. two letters of reference from instructors, colleagues, and/or administrators that address their dispositions to teach; and
  - e. a 5-page paper that indicates the applicant's analytical writing ability
3. Graduates of accredited universities with an undergraduate GPA of 3.0 or higher may apply to be considered for admission without the GRE. These students must submit the following materials with the application for admission:
  - a. a letter of application that explains why they should be exempt from the GRE
  - b. a written philosophy of education
  - c. two letters of reference from faculty members that detail their potential as graduate students

- d. two letters of reference from colleagues, instructors and/or administrators that address their dispositions to teach; and
  - e. 5-page paper that indicates the applicant's analytical writing ability.
4. Students who are graduates of an accredited college or university with a master's degree and who earned a graduate GPA of 3.0 or higher may apply to be considered for admission without the GRE. These students must submit a letter of application that explains why they should be exempt from the GRE requirement.

### **Adult Education – General Concentration Requirements**

The 30-hour General concentration in Adult Education consists of a required core of 9 semester hours in Adult Education, a research foundations course, and two 3-hour electives. The student and his or her advisor choose electives relevant to the student's area of interest. The remaining six hours will be attained through completion of a thesis or the following two courses are required: ADED 590 Adult Education Practicum and ADED 597 Directed Study in Adult Education. Students who complete the additional non-thesis courses will be required to make a presentation of the findings of their applied research project. All students taking the non-thesis option are required to take a comprehensive exam. All students are expected to take EDFN 500 Research Methods within the first twelve hours of their program.

#### *Required courses—15 hours*

- ADED 510 Introduction to Adult Education
- ADED 520 Methods for Teaching Adults
- ADED 611 Adult Learning and Development
- ADED 530 Program Planning for Adults
- ADED 540 History and Philosophy of Adult Education

#### *Electives—6 hours*

Courses may be selected from the following or from other courses with prior approval of advisor:

- ADED 598 Adult Education Seminar
- CNS 555 Social and Cultural Diversity in Counseling
- CNS 556 Developmental Career Counseling
- CNS 557 Human and Family Development in Counseling
- CNS 572 American College Student
- CNS 574 Student Development in Higher Education
- CNS 577 Counseling Concepts and Applications for Student Affairs Professionals
- CNS 580 Family Life Studies
- CNS 586 Parenting Issues
- CNS 667 Drug Abuse Counseling
- CNS 670 Parameters of Law in Student Affairs and Higher Education
- EXED 516 Exceptional Child: Perspectives and Issues
- EXED 518 Seminar: Contemporary Challenges in Spec. Ed.
- EXED 534 Seminar: Research in Exceptional Child Education
- LTCY 519 Foundations of Reading Instruction
- LTCY 523 Diagnostic Reading Procedures for Classroom Teachers
- LME 535 Survey of Educational Technology Practices

LME 537 Principles of Educational Technology Practices  
PSY 510 Advanced Educational Psychology  
PSY 511 Psychology of Learning

*Research Foundations—3 hours*

EDFN 500 Research Methods or equivalent as approved by advisor

*Students must take one of the following two options:*

*Thesis Option (6 hours)*

ADED 599 Thesis

*Non-Thesis Option (6 hours)*

ADED 590 Adult Education Practicum

ADED 597 Directed Study in Adult Ed

**Adult Education – Community and Technical College Concentration, SCTC**

The 39-hour Community and Technical College concentration is designed for individuals who work in Community and Technical College settings. The program consists of a required core of 9 hours in Adult Education, 3 additional hours of higher education courses, 18 hours of content specific graduate courses approved in conjunction with the corresponding discipline, a research foundations course, and two capstone experience courses. All students are required to take a comprehensive exam. All students are expected to take EDFN 500 – Research Methods within the first twelve hours of their program.

*Required courses—12 hours*

ADED 510 Introduction to Adult Education

ADED 520 Methods for Teaching Adults

ADED 611 Adult Learning and Development

*Additional Higher Education Courses—3 hours*

EDFN 612 Seminar in Community College Teaching

*Discipline Courses—18 hours*

Eighteen hours of content specific courses related to the student's teaching discipline in technical or community colleges

*Research Foundations—3 hours*

EDFN 500 Research Methods or equivalent as approved by advisor

*Capstone Experience—6 hours*

ADED 589 Internship in Community/Technical College Teaching

ADED 597 Directed Study in Adult Education

**Adult Education – Higher Education Concentration**

The 30-hour Higher Education concentration is designed for individuals who work in higher education settings, providing training or instructional development to faculty and staff. The



program consists of a required core of 9 hours in Adult Education, 3 hours of EDFN 500 – Research Methods, 6 hours of capstone experience, and 12 hours of concentration courses. All students are required to take a comprehensive exam. All students are expected to take EDFN 500 – Research Methods within the first twelve hours of their program.

*Required courses—9 hours*

ADED 510 Introduction to Adult Education  
ADED 520 Methods for Teaching Adults  
ADED 611 Adult Learning and Development

*Additional Adult and Higher Education Courses—12 hours*

Choose four courses from the following:

ADED 530 Program Planning for Adults  
EDFN 612 Seminar in Community College Teaching  
EDFN 685 Issues in Higher Education  
EDFN 675 Higher Education in America  
EDLD 721 Postsecondary Change and Culture  
EDLD 724 Leadership in Community and Technical Colleges  
EDLD 728 Postsecondary Economics and Finance  
ID 570 Principles of Instructional Design  
ID 573 Instructional Performance and Task Analysis  
ID 583 Training Materials  
ID 585 Distance Delivery Systems

*Research Methods Course—3 hours*

EDFN 500 Research Methods

*Capstone Experience:*

Students must choose one of the following two options:

*Thesis Option—6 hours*

ADED 599 Thesis

*Non-Thesis Option—6 hours*

ADED 590 Adult Education Practicum  
ADED 597 Directed Study in Adult Ed

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**Graduate Courses in Educational Administration**

*All courses worth 3 credits unless otherwise noted.*

**EDAD 583** Accounting for Pupil Personnel  
**EDAD 585** Fundamentals of School Administration  
**EDAD 586** Creating a High Performance Culture  
**EDAD 588** Allocations and Use of Resources  
**EDAD 590** Administration of School Personnel  
**EDAD 594** Seminar in Leadership: Auxiliary Programs in Education  
**EDAD 596** Readings in Education  
**EDAD 597** Problems in Educational Administration  
**EDAD 598** Field-Based Experience in Educational Administration  
**EDAD 611** Leading Change  
**EDAD 620** Seminar in the Administration of Special Education  
**EDAD 625** Practicum in the Administration of Special Education  
**EDAD 630** Special Education Law and Finance  
**EDAD 639** The Superintendency  
**EDAD 640** Introduction to School Leadership  
**EDAD 641** Building Culture and Community  
**EDAD 642** Leveraging Community Systems and Resources  
**EDAD 643** Securing and Developing Staff  
**EDAD 644** Creating Organizational Structures and Operations  
**EDAD 645** Practicing the Principalship

**EDAD 649** School System Administration  
**EDAD 659** Strategic Planning in Education  
**EDAD 677** Legal Issues for Professional Educators  
**EDAD 680** Removing Barriers to Learning  
**EDAD 682** School-Community Relations  
**EDAD 683** Leading Teaching and Learning  
**EDAD 684** Instructional Leadership  
**EDAD 686** Principles of Supervision  
**EDAD 688** Planning for School Improvement  
**EDAD 690** The Principalship  
**EDAD 694** Seminar in Educational Administration  
3-6 hours for a Maximum of 6 hours)  
**EDAD 696** Advanced Organization Theory  
**EDAD 697** Research in Administration and Supervision  
**EDAD 699** Specialist Project (6 hours)  
**EDAD 700** Maintaining Matriculation (1-6 hours)  
**EDAD 706** Educational Leadership and Reform  
**EDAD 707** Educational Leadership Policies and Politics  
**EDAD 708** Administration of Fiscal Resources in Districts and Systems  
**EDAD 710** School Leadership and Technology Planning for School Improvement  
**EDAD 798** Internship in Administration and Supervision  
**EDAD 799** Dissertation Research (1-12 hours)

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**Graduate Courses in Educational Foundations**

*All courses worth 3 credits unless otherwise noted.*

**EDFN 500** Research Methods  
**EDFN 501** Educational Statistics  
**EDFN 548** Research in Curriculum and Instruction  
**EDFN 570** Workshops in Education  
**EDFN 576** Issues and Trends in Education  
**EDFN 601** Applied Statistical Techniques and Research Designs in Education

**EDFN 603** Qualitative Research in Education  
**EDFN 612** Seminar in Community College Teaching  
**EDFN 675** Higher Education in America  
**EDFN 685** Issues in Higher Education  
**EDFN 700** Research Design and the Dissertation  
**EDFN 703** Field Methods for Qualitative Research  
**EDFN 720** Foundations of Rural Educational Policy

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**Graduate Courses in Adult Education**

*All courses worth 3 credits unless otherwise noted.*

**ADED 510** Introduction to Adult Education  
**ADED 520** Methods for Teaching Adults  
**ADED 530** Program Development for Adults  
**ADED 540** Philosophy and History of Adult Education

**ADED 590** Practicum in Adult Ed (1-3 hrs)  
**ADED 597** Directed Study in Adult Education  
**ADED 598** Adult Education Seminar  
**ADED 599** Thesis Research and Writing (1-6 hours)  
**ADED 611** Adult Development and Learning

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**Graduate Courses in Educational Leadership**

*All courses worth 3 credits unless otherwise noted.*

**EDLD 700** Orientation to Doctoral Studies and Professional Development  
**EDLD 710** Leadership Theories and Ethics  
**EDLD 711** Methodology in Leadership Research

**EDLD 720** Ind. and Group Issues in Leadership  
**EDLD 721** Measurement and Validity in Leadership  
**EDLD 730** Leading the Organization  
**EDLD 731** Advanced Data Analysis Tools in Leadership Research

## ***Department of Psychology***

Steven J. Haggbloom, Head  
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### **Graduate Faculty**

**Professors:** F. Grieve, S. Haggbloom, S. Kuhlenschmidt, K. Madole, E. Lemerise, S. Mutter, A. Norman, J. Norman, R. Poe, J. Pope-Tarrence, E. Shoenfelt, S. Wininger

**Associate Professors:** R. Brown, P. Derryberry, L. Hahn, C. Myers, A. Paquin

**Assistant Professors:** A. Mienaltowski, S. Ostowski, C. Pritchard, A. Wichman, Q. Zhao

### **Master of Arts in Psychology, Ref. # 092**

This general program provides preparation for students who wish to pursue careers in clinical, business, or government settings, and/or enter a doctoral program. The department offers four concentrations within the program: clinical, experimental, industrial/organizational, and general. Within each concentration, the student is expected to become competent in theory, research, and application of psychology as related to the chosen area of concentration.

#### **Admission Requirements**

Applicants should have a statistics and experimental methodology course; background in general psychology; a minimum score of 850 on the Graduate Record Examination (GRE) General Test (verbal and quantitative combined); a minimum GPA of 2.75 with 3.0 in psychology courses. Applicants should submit three letters of recommendation, transcripts, a psychology department application form, a 500-word personal statement describing professional interests and career goals, and the Graduate Studies application form. An interview may be required. Applicants to the clinical psychology concentration should also submit an affidavit affirming that they have never been convicted or charged with a felony crime. Applications should be received by March 1<sup>st</sup> for priority consideration. Beyond the stated minimum requirements, selection is competitive.

#### **Degree Requirements—48 total hours**

The program comprises 12 hours of core courses, 9 hours of restricted electives, 12-15 hours of specialized courses in a concentration, 6-9 hours of practicum and/or internship, and 6 hours of thesis or electives (48 credit hours total). A comprehensive examination is required at the time of thesis defense or upon completion of course work. The research tool is required in all concentrations. No concentration may have more than 9 hours of 400G-level courses.

##### *Required Core—12 hours*

PSY 512 Experimental Design

PSY 541 Professional Issues and Ethics in Psychology

PSY 563 Statistics and Psychometric Theory

PSY 552 Advanced Social Psychology

*Restricted Electives—9 hours*

*Learned or Cognitive Basis of Behavior—3 hours*

PSY 511 Psychology of Learning

**OR** PSY 523 Advanced Topics in Cognition

**OR** PSY 673 Advanced Training in Business and Industry

*Individual or Unique Basis of Behavior—3 hours*

PSY 520 Individual Differences and Human Diversity

**OR** PSY 521 Advanced Child Developmental Psychology

**OR** PSY 550 Personality Theory

*Biological/Quantitative Analysis of Behavior-3 hours*

PSY 580 Advanced Physiological Psychology

**OR** PSY 513 Advanced Statistical Analysis

**Clinical Psychology, Concentration Code MACL**

This concentration follows the scientist-practitioner model of training. It prepares students to be successful performing both research and therapy. The program is practice-oriented, and offers a broad foundation for the professional who will render a wide variety of psychological services at the MA level. The program also prepares students to pursue further education at the doctoral level. The program prepares students for the national ASPPB licensure examination required to practice psychology in many states. Practicum and internship (9 hours) required. Thesis, or 2 course electives, (6 hours) required. A criminal background check will be required of successful applicants during the first semester of graduate study at the applicant's expense.

*Specific Concentration Requirements*

PSY 560 Assessment of Cognitive and Intellectual Functioning

PSY 640 Psychopathology

PSY 641 Theories of Psychotherapy

PSY 660 Assessment of Personality and Socio-Emotional Functioning

*Practicum and Internship*

PSY 662 Practicum in Psychology (2 hours)

PSY 592 Internship

*Thesis or Electives—6 hours*

PSY 599 Thesis Research and Writing

**OR** electives chosen with advisor approval

**Industrial-Organizational Psychology, Concentration Code MAIN**

This concentration focuses on behavior in business, industry, consulting, and government organizations. Students are expected to become proficient in the construction and validation of personnel selection systems. Job analysis, test validation, criterion development, equal employment opportunity law, and training in business and industry are emphasized in the program. A thesis is required.

*Specific course requirements—15 hours*

PSY 505 Statistical Software for Behavioral Scientists  
PSY 570 Job Analysis and Compensation  
PSY 571 Personnel Psychology  
PSY 572 Organizational Psychology  
PSY 670 Equal Employment Opportunity, the Law, and Ethical Considerations

*Internship*

PSY 592 Internship\*

*Thesis—6 hours*

PSY 599 Thesis Research and Writing

*\* 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..*

**Experimental Psychology, Concentration Code MAAE**

This concentration is research-oriented and designed to prepare individuals for continuation in a Ph.D. program and/or positions in industry, government, or education where strong research and methodological skills are needed. Some freedom within the curriculum permits students to design a program that best fits their interests. The program provides a number of research areas including cognition, perception, neuroscience, child development, aging, social psychology, sport psychology, and educational psychology. A thesis is required, in addition to a research practicum (6 hours) involving two semesters of participation in a research project prior to the thesis.

*Specific course requirements—15 hours*

PSY 500: Trends & Scientific Approaches in Psychological Thinking  
PSY 513: Advanced Statistical Analysis  
Electives (Chosen with faculty advisor)—9 hours

*Thesis and research practicum—12 hours*

Research Practicum  
PSY 599 Thesis Research and Writing

**General Psychology, Concentration Code MAGE**

This concentration is designed for students who desire a terminal master's degree in general psychology. Course requirements in addition to the core courses and restricted electives are individually determined in consultation with the faculty advisor. Practicum (6 hours) is required. A thesis is not allowed.

## **Specialist in Education School Psychology, Ref. # 147**

This program emphasizes training as an innovative problem solver. The student is trained to function as an integral part of the total program of pupil services. Each individual receives on-site experience in public schools, school-related practicum assignments in the department's psychological clinic, and experience as a member of an interdisciplinary team. Upon completion of the required course work, the student must complete a full year minimum 1200-hour internship within an educational setting. Practicum, research tool and a specialist project (thesis) are also required.

### **Admission Requirements**

Applicants should have course work in statistics and experimental methodology, general psychology, and abnormal or personality psychology; a minimum score of 850 on the Graduate Record Examination General Test (Verbal + Quantitative); and a minimum undergraduate GPA of 3.0. Exceptions to the minimum criteria may be made for students with exceptional backgrounds or experiences. Applicants should send three letters of recommendation, a psychology department application form and the graduate studies application form to the Office of Graduate Studies. Beyond these stated minimum requirements, selection is competitive. A criminal background check will be required of successful applicants during the first semester of graduate study at the applicant's expense.

### **Specialist Program Requirements—71 hours**

#### *Required Core*

LTCY 520 Clinical Diagnosis of Reading Abilities  
PSY 514 Program Evaluation  
PSY 540 Behavior Problems of Children and Adolescence  
PSY 541 Professional Issues and Ethics in Psychology  
PSY 545 Clinical Child Psychology: Theory and Practice  
PSY 552 Advanced Social Psychology  
PSY 580 Advanced Physiological Psychology  
PSY 641 Theories of Psychotherapy  
PSY 519 Psychological Perspectives on Classroom Behavior  
PSY 560 Assessment of Cognitive and Intellectual Functioning  
PSY 561 Advanced Assessment in Educational Settings  
PSY 562 Practicum in Psychological Assessment (6 hours)  
PSY 643 Psychoeducational Assessment  
PSY 645 Consultation in Educational and Mental Health Settings  
PSY 512 Seminar in Experimental Design  
PSY 511 Psychology of Learning  
PSY 521 Advanced Child Developmental Psychology  
PSY 563 Statistics and Psychometric Theory  
PSY 662 Practicum in Psychology (2 hours)  
PSY 699 Specialist Project (6 hours)  
PSY 592 Internship (6 hours)

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## Graduate Courses in Psychology

*All courses worth 3 credits unless otherwise noted.*

- PSY 405G** Cognitive Psychology  
**PSY 410G** Psychology of Learning  
**PSY 411G** Psychology Sensation and Perception  
**PSY 412G** Psychology of Motivation and Emotion  
**PSY 421G** Psychology of Early Adolescence  
**PSY 422G** Adolescent Psychology  
**PSY 423G** Psychology of Adult Life and Aging  
**PSY 424G** Topics in Developmental Psychology  
**PSY 430G** Psychology of Women  
**PSY 432G** Psychology of the Gifted and Creative  
**PSY 435G** Moral Development in Education  
**PSY 440G** Abnormal Psychology  
**PSY 441G** Psychological Aspects of Alcoholism  
**PSY 442G** Beg Skills Psychological Interviewing  
**PSY 443G** Behavior Modification  
**PSY 450G** Psychology of Personality  
**PSY 455G** Introduction to the Clinical Practice of Psychology  
**PSY 470G** Psychology and Law  
**PSY 473G** Training in Business and Industry  
**PSY 475G** Grant Writing  
**PSY 480G** Physiological Psychology  
**PSY 483G** Evolutionary Psychology  
**PSY 485G** Psychology of Religion  
**PSY 490G** Research, Readings, or Special Projects in Psychology  
**PSY 495G** History and Systems of Psychology  
**PSY 499G** Senior Seminar in Psychology Thinking (1-3 hours)  
**PSY 500** Trends and Scientific Approaches in Psychological  
**PSY 501** Issues in College Instruction Using the Internet (2 hours)  
**PSY 505** Statistical Software Behavioral Scientists  
**PSY 510** Advanced Educational Psychology  
**PSY 511** Psychology of Learning  
**PSY 512** Seminar in Experimental Design  
**PSY 513** Advanced Statistical Analysis  
**PSY 514** Program Evaluation  
**PSY 519** Psychological Perspectives on Classroom Behavior  
**PSY 520** Individual Differences and Human Diversity  
**PSY 521** Advanced Child Developmental Psychology  
**PSY 523** Advanced Topics in Cognition  
**PSY 540** Behavior Problems of Childhood and Adolescence  
**PSY 541** Professional Issues and Ethics in Psychology  
**PSY 545** Clinical Child Psychology: Theory and Practice  
**PSY 551** Social Psychology of Organizations  
**PSY 552** Advanced Social Psychology  
**PSY 560** Assessment of Cognitive and Intellectual Functioning  
**PSY 561** Advanced Assessment in Educational Settings  
**PSY 562** Practicum in Psych Assessment (1-3 hours, may be repeated)  
**PSY 563** Statistics and Psychometric Theory  
**PSY 570** Job Analysis and Compensation  
**PSY 571** Personnel Psychology  
**PSY 572** Organizational Psychology  
**PSY 580** Advanced Physiological Psychology  
**PSY 590** Readings of Research in Psychology (1-3 hours, may be repeated)  
**PSY 591** Internship in College Teaching (1-2 hours)  
**PSY 592** Psychology Internship  
**PSY 599** Thesis Research and Writing (6 hours)  
**PSY 600** Maintaining Matriculation (1-6 hours)  
**PSY 637** Theories in Addiction  
**PSY 640** Psychopathology  
**PSY 641** Theories of Psychotherapy  
**PSY 642** Clinical Interviewing and Psychotherapy  
**PSY 643** Psychoeducational Assessment  
**PSY 645** Consultation in Educational and Mental Health Settings: Theory and Practice  
**PSY 647** Addictions: Assessment, Diagnosis and Treatment Planning  
**PSY 660** Assessment of Personality and Socio-Emotional Functioning  
**PSY 662** Practicum in Psychology  
**PSY 667** Drug Abuse Counseling  
**PSY 670** Equal Employment Opportunity, the Law, and Ethical Considerations  
**PSY 673** Advanced Training in Business and Industry  
**PSY 699** Specialist Project (6 hours)  
**PSY 700** Maintaining Matriculation (1-6 hours)  
**PSY 770** Legal Issues for Organizational Leaders  
**PSY 771** Human Resources Management for Organizational Leaders  
**PSY 773** Employee Training and Developmental Issues for Organizational Leaders

## *College of Health and Human Services*

Dr. John A. Bonaguro, Dean

Dr. Randy Deere, Assistant to the Dean

### **Departments**

Communication Disorders

Consumer and Family Sciences\*

Kinesiology, Recreation and Sport

Public Health

Social Work

### **Schools**

School of Nursing

### **Degrees Offered**

#### **Master of Science**

Communication Disorders

Physical Education

Exercise Science

Teacher Certification

Recreation and Sport Administration

#### **Master of Health Administration**

#### **Master of Public Health**

Health Education Concentration

Environmental Health Concentration

#### **Master of Science Nursing**

Primary Care Practitioner

Nurse Educator

Nurse Administrator

#### **Master of Social Work**

### **Certificates Offered**

#### **Post-MSN Options**

Nursing Education

Primary Care Nurse Practitioner

Complementary Health Care

\*The Department of Consumer & Family Sciences does not offer a degree program; however, it does offer course work for content area in other programs.



**Academic Complex, Office #208**

**Phone (270) 745-2425**

**FAX (270) 745-7073**

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

### **Vision**

To be recognized nationally as a college that offers exemplary programs in Health and Human Services.

### **Mission**

The College provides diverse educational opportunities leading to excellence in Health and Human Services for a global community.

The College of Health and Human Services is the newest college at Western Kentucky University, established by our Board of Regents in August 2002 to bring together all health and human services programs under one administration unit. One of our strengths is the breadth and depth of the diverse disciplines within the College. The College consists of seven departments that represent an array of disciplines, and offers degrees at the associate, baccalaureate and masters degree levels. The College also offers a collaborative doctorate in Rehabilitation Sciences with the University of Kentucky. Departments include Allied Health, Communication Disorders, Consumer and Family Sciences, School of Nursing, Physical Education and Recreation, Public Health, and Social Work. The College also oversees the Academic Center for Excellence, the Center for Gerontology, the Suzanne Vitale Clinical Education Complex, the Institute for Rural Health Development and Research, the Kentucky Emergency Medical Services Academic, and the South-Central Kentucky Area Health Education Center.

Our focus is to provide the highest possible quality of education to prepare our students to become leaders in careers related to health and human services. The faculty are highly qualified in their respective disciplines and utilize innovative teaching strategies along with state of the art instructional technology, including ITV, web enhanced and web based instruction.

The disciplines in the college have their roots in outreach to the community. Dental hygiene, communication disorders, consumer and family science, nursing, physical education, public health, recreation and social work prepares students for their profession by engaging them in activities within the community that applies the theories and concepts discussions in the classroom for a more comprehensive understanding of the issues, while providing a valuable service to the communities in which we reside. Students are required to complete clinical experiences, field work, or internships through one of the many affiliation agreements at a myriad of health and humans services facilities, agencies and organizations. A nationally recognized mobile health and wellness unit provides opportunities for students to apply skills learned in the classroom in the provision of prevention services to residences in our region.

Due to the nature of these experiences students are required to meet various departmental academic requirements and federal and/or state mandates. Departments may require the successful completion of specific courses or maintain 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 off-campus facilities/agencies. Additionally, there may be certifications, training seminars, or other requirements specified by the facility/agency that a student must meet in order to be eligible for field or practical experiences at the facility. It is the responsibility of the student to ensure that all institutional and/or facility requirements are met as a condition of participating in the on or off-campus experiences; students may be responsible in part or in full for any costs incurred to meet such requirements. Students are also responsible for transportation to and from off-campus experiences.

CHHS is dedicated to improve the quality of life in the community through education, service, collaboration, leadership, and scholarship. This is accomplished in the various centers and programs in the college that provide for a vibrant and relevant university experience. Below is a brief description of these organizational units:

### **Academic Center for Excellence (ACE)**

The Academic Center for Excellence (ACE) is the student success center for the College of Health and Human Service. ACE provides a comprehensive array of programs and services to support academic success among the CHHS students. The Center provides academic advising, tutoring for CHHS courses, assistance with degree program completion and career exploration/planning. It also houses a computer lab with software programs available specifically for our majors. For more information see website: <http://www.wku.edu/chhs/ace>.

### **Suzanne Vitale Center for Gerontology**

The Center for Gerontology is guided by the belief that healthy aging is attainable on both the individual and community level and requires implementing holistic strategies. Keys to successful healthy aging are increasing physical activity, improving eating habits, preventing disease, injury and disability, maximizing financial and physical independence and maintaining active participation with the community. Located within a historically rural environment, the Center recognizes the value of interdisciplinary and intergenerational collaboration in developing approaches that respect the needs of older adults and the rural communities that support them. Committed to balancing gerontological theory with practice, the Center nurtures dynamic partnerships between agencies working on aging issues, Western Kentucky University and the international community.

The Center oversees mini-grants that promote gerontology by engaging students and faculty in aging research. The Center houses the international journal, *Journal of Aging, Humanities & the Arts*, an official publication of the Gerontological Society of America (<http://www.tandf.co.uk/journals/titles/19325614.asp>).

The Center focuses on three strategic areas:

- Prepare new generations of aging advocates to work with older adults, their families and their communities.
- Contribute to new knowledge on aging populations, cohorts and communities through the conduct of applied aging research.

- Enhance local capacity for older adults and the communities in which they live through the dissemination of community based research, best practices and sponsorship of programmatic activities.

For more information, please see the website: <http://www.wku.edu/chhs/gerontology>.

### **Clinical Education Complex (CEC)**

The Clinical Education Complex (CEC) is a collaboration project between the College of Health and Human Services and the College of Education and Behavioral Sciences. The CEC houses the Acquired Brain Injury Resource Program, the Communication Disorders Clinic, the Early Childhood Center, the Family Counseling Clinic, and the Kelly Autism Program. It provides applied research opportunities for both graduate and undergraduate students and valuable services to the community at large. For more information see website: [www.wkucec.com](http://www.wkucec.com).

### **Institute for Rural Health Development and Research (IRHDR)**

#### *...Building Bridges for a Healthier Community*

The purpose of Western Kentucky University's Institute for Rural Health Development and Research is to identify rural health and human service needs and facilitate collaborative arrangements engaging WKU students and faculty and community agencies in addressing these needs. Programs that support graduate education and field experiences are the WKU Mobile Health and Wellness Unit, Hazard Emergency and Awareness Unit (HEAT), Wellworks, Hispanic Initiative, Health Enhancement of Rural (HERE) and a school based dental sealant program. For more information see website: <http://www.wku.edu/chhs/irhdr>.

### **South-Central Kentucky Area Health Education Center (AHEC)**

#### *...Promoting the Common Health Throughout the Commonwealth*

The mission of the Kentucky AHEC is to promote healthy communities through innovative partnerships. 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. For more information see website: <http://www.wku.edu/scahec/>.

## ***Department of Communication Disorders***

Joseph Etienne, Head  
<http://www.wku.edu/communicationdisorders>

Tate Page Hall 111  
(270) 745-4541 Office  
(270) 745-3441 Fax

### **Graduate Faculty**

**Associate Professors:** B. Brindle, L. Bland, J. Etienne, R. Dressler

### **Master of Science in Communication Disorders, Ref. # 114**

This program is designed to prepare professional speech 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 program is accredited by the Council of Academic Accreditation in Audiology and Speech Language Pathology.

#### **Admission Requirements**

In addition to Graduate Studies admission requirements, the program requires an undergraduate grade point average of 3.2. The applicant's GAP (GRE x GPA) must be a minimum of 2800. Any academic deficiencies required to meet certification requirements of the American Speech-Language-Hearing Association must be completed before the student attains 21 credits. A strong academic background in psychology and/or gerontology is desirable.

#### **Degree Requirements—49 hours**

The master's level professional preparation in Communication Disorders is a 49-credit hour preparation program, combining didactic course work and diverse clinical experiences. Forty-two academic semester hours and seven clinical hours are required with an additional six hours added to the thesis option. The student must complete a minimum of 400 clock hours of clinical experience by graduation.

Summative evaluations are required by WKU Graduate School and our accrediting agency. This department uses the PRAXIS exam as part of its summative evaluation. Students must take and pass the PRAXIS exam in Speech-Language Pathology. The passing score is 600 and meets the ASHA requirement for certification. For students beginning the graduate program August 2009 or after, the PRAXIS exam can only be taken during the last 4 months of the graduate program.

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.

*Required Core—46 hours*

- CD 500 Research Methods
- CD 502 Motor Speech Disorders
- CD 504 Seminar in Child Language
- CD 506 Dysfluency
- CD 507 Aphasia
- CD 508 Voice Disorders
- CD 510 Seminar in Professional Issues
- CD 511 Neurology
- CD 512 Phonology
- CD 513 Cognitive Linguistic Disorders
- CD 514 Dysphagia
- CD 515 Rehabilitative Audiology
- CD 518 Advanced Alternative and Augmentative Communication Modalities
- CD 590 Clinical Internship (1 hour)
- CD 591 Clinical Externship (6 hours)

*Electives—3 hours*

- One 3-hour Communication Disorder course

**Planned Sixth-Year/Rank I in Communication Disorders, Ref. # 164**

All Rank I students must have a Master's degree or be in the last semester of study for the master's degree. It indicates 60 approved hours of graduate study (including the Master's degree). For example, a student whose master's program was 48 hours, would need an additional 12 planned hours to earn the Rank I.

1. Master's Degree—49 credit hours
2. Planned Sixth-Year—12 hours (this total may vary for students transferring graduate work from another institution.
3. Please consult with a Rank I advisor before beginning course work.

*Required Core—6 hours*

- CD 503 Advanced Diagnostics
- CD 589 Seminar in Communication Disorders

*Choose one of the following options*

Option 1—6 hours

CD 512 Phonology

**OR** CD 513 Neurogenics

Advisor approved elective (3 hours)

Option 2—6 hours

EXED 599 Thesis & Research Writing

Advisor Approved Elective (3 hours)\*

*\*Any course not taken under Option 1 may also be taken as an elective.*

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**Graduate Courses in Communication Disorders**

*All courses worth 3 credits unless otherwise noted.*

**CD 481G** Speech and Language Development

**CD 482G** **Audiology**

**CD 483G** Articulation Disorders

**CD 484G** Speech Anatomy and Physiology

**CD 485G** Diagnostic Procedures for Comm Disorders

**CD 486G** Language Disorders

**CD 487G** Aural Rehabilitation

**CD 488G** Augmentative Communication Systems

**CD 489G** Geriatric Communication Disorders

**CD 496G** International Speech Pathology

**CD 500** Research Methods in Comm Disorders

**CD 502** Motor Speech Disorders

**CD 503** Adv Diagnostic Procedures in Speech Pathology

**CD 504** Seminar in Child Language

**CD 505** Orofacial Anomalies

**CD 506** Dysfluency

**CD 507** Aphasia

**CD 508** Voice Disorders

**CD 509** Speech Science

**CD 510** Seminar in Speech Pathology

**CD 511** Neurology of Speech and Language

**CD 512** Seminar in Phonology

**CD 513** Cognitive Linguistic Disorders

**CD 514** Dysphagia

**CD 515** Rehabilitative Audiology

**CD 518** Advanced AAC

**CD 550** Consultation in Communication Disorders

**CD 570** Administration and Supervision in Speech Language Pathology

**CD 572** Contemporary Issues in Comm Disorders

**CD 580** Diagnostic Procedures Speech Dis (2 hours)

**CD 589** Special Topics in Communication Disorders

**CD 590** Clinical Intern in Speech Pathology (1 hour)

**CD 591** Clinical Externship (6 hours)

**CD 619** Assistive Technological and CO

## ***Department of Consumer and Family Sciences***

Doris Sikora, Department Head  
<http://www.wku.edu/Dept/Academic/chhs/cfs>  
CFS@wku.edu

Academic Complex 303  
(270) 745-4352 Office  
(270) 745-3999 Fax

### **Graduate Faculty**

**Associate Professor:** D. Sikora  
**Assistant Professor:** D. Haynes-Lawrence

## **Master of Arts in Education Secondary Education, Family & Consumer Sciences minor, Ref. # 018**

Courses in Consumer and Family Sciences may constitute a minor in the Master of Arts in Education (Secondary) or an area of emphasis in the Master of Arts in Education (Education and Behavioral Science Studies).

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### **Graduate Courses in Consumer & Family Sciences**

*All courses worth 3 credits unless otherwise noted.*

<b>CFS 520</b> Seminar in Consumer & Family Sciences	<b>CFS 573</b> Evaluation in Family and Consumer Sciences Education
<b>CFS 521</b> Interior Ergonomics I	<b>CFS 574</b> Supervision of Family and Consumer Sciences Education
<b>CFS 522</b> Interior Ergonomics II	<b>CFS 575</b> Individual Study in Consumer and Family Sciences
<b>CFS 531</b> Cultural Patterns of Dress	<b>CFS 577</b> Seminar in Child Development Research
<b>CFS 533</b> Developing Fashion Merchandising Programs	<b>CFS 580</b> Internship
<b>CFS 535</b> Textile Analysis & Interpretation	<b>CFS 582</b> Sensory Evaluations & Qualities of Foods
<b>CFS 536</b> Seminar in Institutional & Home Environment	<b>CFS 583</b> Human Resources in Food Systems
<b>CFS 537</b> Critique & Design of Investigations in CFS	<b>CFS 584</b> Community Nutrition
<b>CFS 571</b> Seminar in Family and Consumer Sciences Education	<b>CFS 585</b> Nutrition for the Elderly
<b>CFS 572</b> Curriculum Development in Family and Consumer Sciences Education	<b>CFS 598</b> Special Topics in CFS (1-6 hours)
	<b>CFS 599</b> Thesis Research & Writing (6 hours)
	<b>CFS 600</b> Maintaining Matriculation (1-6 hours)

## ***School of Nursing***

Mary Bennett, Director  
mary.bennett@wku.edu

<http://www.wku.edu/Dept/Academic/chhs/nursing>

Academic Complex 111  
(270) 745-3391 Office  
(270) 745-3392 Fax

### **Graduate Faculty**

**Professors:** M. Bennett, D. Blackburn, S. Jones, B. Siegrist

**Associate Professor:** C. Abell

**Assistant Professors:** D. Wright, E. Main

**Instructors:** L. Branstetter, T. Jepson, C. Morgan

### **Master of Science in Nursing (MSN), Ref. # 149**

The MSN builds on the first professional degree, the baccalaureate of science in nursing. The purpose of the program is to develop expertise in advanced nursing practice that demands increased accountability, proficiency, and leadership.

#### **Admission Requirements**

Applicants for the MSN program must meet the following requirements:

1. Be a graduate of a CCNE or NLN accredited BSN program
  - a. Graduates of non-accredited programs are considered on an individual basis,
  - b. Provide evidence of prior education in health assessment, and nursing research;
2. Provide official transcripts of all higher education course work;
3. Standardized test requirements:
  - a. Applicants who meet the following admission criteria will be allowed to omit the requirement for the GRE for admission:
    - Graduates of an accredited BSN program with a cumulative GPA of 2.75 on a 4.0 scale and who complete the application process that includes submission of the following:
      - Application & fee to WKU Graduate Studies
      - Copies of official transcripts of all higher education course work
      - Three current professional references on form provided
      - A professional resume or CV
      - A goal statement (see information on goal statement on program website)
      - Evidence of RN licensure in Kentucky or licensure compact states
      - Positive interview (conducted after all application materials submitted)
      - Applicants to the primary care nurse practitioner and psychiatric nurse practitioner program must provide evidence of at least one year of full time practice as an RN prior to enrolling in any clinical courses.
  - b. Applicants will be required to complete the GRE in any of the following instances:
    - Less than a 2.75 cumulative undergraduate GPA
    - Applying for admission to the psychiatric nurse practitioner program. (These applicants must also meet the requirements and be accepted as non-degree seeking students at the University of Louisville, School of Nursing.)
4. Hold RN licensure or have applied for RN licensure in Kentucky;



5. Successful completion of a 3 credit hour graduate statistics course

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

### **Degree Requirements**

The MSN program includes five concentrations: Primary Care Nurse Practitioner, Nurse Educator, Nurse Administrator, Occupational Health Nurse, and Psychiatric Nurse Practitioner (18 hours of specialty courses from the University of Louisville School of Nursing).

### **Primary Care Nurse Practitioner Concentration (MSNP)**

This concentration prepares the graduate to sit for certification as an Advanced Registered Nurse Practitioner, more specifically, primary care or family nurse practitioner. Program is 42-48 hours.

#### *Specialty requirements*

- NURS 500 Advanced Concepts
- NURS 501 Nursing, Politics & Health Policy
- NURS 503 Advanced Health Assessment
- NURS 504 Advanced Nursing Theory
- NURS 505 Advanced Health Assessment Clinic
- NURS 506 Transition to Advanced Practice
- NURS 508 Advanced Professional Practice Issues
- NURS 509 Practice Management for Nurse Practitioners
- NURS 510 Advanced Nursing Research
- NURS 512 Research Applications
- NURS 515 Advanced Pharmacology
- NURS 550 Primary Care: Children & Adolescents
- NURS 552 Primary Care: Adults
- NURS 554 Primary Care Internship
- Graduate Statistics course
- Optional thesis (6 hours)

### **Nurse Educator Concentration (MSNE)**

This option prepares the registered nurse for the roles of nursing faculty in university or community college settings. Program is 37-43 credit hours.

#### *Specialty requirements*

- NURS 500 Advanced Physiological and Pathological Concepts
- NURS 501 Nursing, Politics & Health Policy
- NURS 503 Advanced Health Assessment
- NURS 504 Advanced Nursing Theory
- NURS 506 Transition to Advanced Practice
- NURS 508 Advanced Professional Practice Issues
- NURS 510 Advanced Nursing Research

NURS 512 Research Applications  
NURS 518 Clinical Teaching in Nursing  
NURS 520 Teaching in Schools of Nursing  
NURS 522 Teaching in Schools of Nursing Internship  
CNS 552 Testing & Assessment in Counseling  
PSY 511 Psychology of Learning  
**OR** PSY 510 Advanced Educational Psychology  
Graduate Statistics course  
Optional thesis (6 hours)

### **Nurse Administrator Concentration (MSNA)**

This concentration prepares graduates for advanced practice as a nurse administrator or nurse manager in various health care settings. The 33 credit hour program curriculum follows.

#### *Specialty requirements*

NURS 501 Nursing, Politics & Health Policy  
NURS 504 Advanced Nursing Theory  
NURS 506 Transition to Advanced Practice  
NURS 508 Advanced Professional Practice Issues  
NURS 510 Advanced Nursing Research  
NURS 512 Research Applications  
NURS 528 Leadership and Management in Nursing Administration†  
NURS 530 Nursing Administration Internship  
Graduate Statistics course  
Business Management/Finance course\*  
BA 501 Survey of Economics  
**OR** ECON 501 Survey of Economics  
**OR** BA 505 Survey of Accounting  
**OR** HCA 545 Managerial Finance for Health Services  
**OR** HCA 401G Fund Health Financial Mgmt  
Organizational Theory/Healthcare Systems course\*  
BA 510 Organizational Theory  
**OR** HCA 540 Health Care Organ. & Administration  
**OR** HCA 544 Health Care Systems Design & Behavior  
**OR** HCA 574 Decision Making in Health Care  
**OR** LEAD 500 Effective Leadership Studies  
Human Resource Management/Communication course\*  
HCA 542 Health Care Human Resources Admin  
**OR** PS 440G Elements of Public Administration  
**OR** COMM 525 Interpersonal Support in Workplace  
**OR** COMM 528 Communication in the nonprofit sector  
**OR** COMM 551 Employee Communication  
**OR** COMM 564 Crisis Communication  
**OR** COMM 581 Application Organizational Communication  
**OR** COMM 461G Organizational Communication

Health care ethics/law course\*

HCA 551 Health Services Jurisprudence

**OR** HCA 543 Health Care Quality & Accountability

**OR** COMM 569 Values & Leadership

**OR** PH 447G Human Values & Health Sciences

**OR** LEAD 525 Leadership Ethics

† It is recommended that students complete three to four of the support courses prior to enrolling in NURS 528.

\* Support Courses selected in the categories above are with advisor approval. Suggested courses are included in each category, but are not all inclusive.

### **Occupational Health Nurse Concentration**

This concentration prepares the graduate for advanced practice in work place settings and to sit for certification as an Occupational Health Nurse and/or Community Health Clinical Nurse Specialist. This option requires completion of three specialty courses (completed online) through the University of Cincinnati. All students are required to select either Plan A (thesis) or Plan B (non-thesis) option (3-6 credit hours).

#### *Specialty Requirements (WKU):*

NURS 501 Nursing, Politics & Health Policy

NURS 504 Advanced Nursing Theory

NURS 506 Transition to Advanced Practice

NURS 508 Advanced Professional Practice Issues

NURS 510 Advanced Nursing Research

NURS 512 Research Applications

NURS 540 Occupational Health Nurse Practicum I

NURS 541 Occupational Health Nurse Practicum II

NURS 542 Occupational Health Nurse Practicum III

EHS 577 Environmental Toxicology

PH 575 Health Education & Promotion Program Planning

**OR** PH 402G Worksite Health Promotion

PH 582 Epidemiology

PH 584 Principles of Environmental Health

HCA 544 Healthcare Systems Design & Behavior

HCA 545 Financial Management of Healthcare Organizations

**OR** BA 509 Managerial Finance

A graduate statistics course

#### *Specialty Requirements (University of Cincinnati):\**

ANCH 810 Introduction to Occupational Health Nursing

ANCH 811 Managing Occupational & Environmental Diseases & Injuries

ANCH 813 Managing Health and Safety Programs in the Workplace

*\*Each of these courses is 3-quarter hours.*

### **Psychiatric Nurse Practitioner Concentration (MSNS)**

The Psychiatric Nurse Practitioner is prepared at the graduate level to diagnose, prescribe and treat a wide range of mental health clients. The graduate must complete a program of study from an accredited graduate program built upon essential competencies identified by the National Organization of Nurse Practitioner Faculty. Students will complete a total of 51 hours for the Psychiatric Nurse Practitioner Concentration.

### **Special Admission Requirements**

Applicants must meet admission criteria for both the University of Louisville and WKU. University of Louisville School of Nursing will admit the student as a non-degree seeking for the specialty courses. Psychiatric Mental Health Nursing specialty courses will be transferred to WKU allowing graduates to complete content required to sit for national certification as a psychiatric nurse practitioner. The MSN degree will be awarded from WKU. Admission requirements for both programs are listed below.

#### **WKU Admission Requirements**

1. Be a graduate of a NLN or CCNE accredited BSN program.
2. Submit a WKU application for admission to the Graduate College with appropriate fee.
3. Provide official transcripts of all undergraduate and higher education coursework.
4. Earn a GAP score of 2200 (Graduate Record Exam x GPA) and a 3.5 or better on GRE written analytical component.
5. Hold RN licensure or have applied for RN licensure in Kentucky or a nursing compact state.
6. Submit three professional references on form provided.
7. Submit a typed, 1-2 page statement of goals.
8. Successfully complete an interview with graduate faculty (schedule upon completion of above).

#### **University of Louisville Admission Requirements**

1. Submit U of L Graduate School Application and fee.
2. Submit transcripts of all college coursework including one verifying completion of an accredited (by NLN or CCNE) baccalaureate program in nursing, with a cumulative grade point average of at least 3.0 on a 4.0 scale.
3. Complete the Graduate Record Examination (GRE) submit scores (successful applicants usually score at 425 or higher on each of the verbal and quantitative scores; and 4 on the analytic score).
4. Submit at least two letters of reference from individuals who can speak of academic and/or professional nursing capabilities and potential.
5. Submit a copy of valid Kentucky registered nurse license (without restrictions) or proof of eligibility for that licensure.
6. Complete the School of Nursing Master's Application Data Sheet and a Certified Background Check.
7. Student may also be required to complete a personal interview with faculty.

*Required Core*

NURS 501 Nursing, Politics & Health Policy  
NURS 502 Advanced Health Assessment  
NURS 504 Advanced Nursing Theory  
NURS 506 Transition to Advanced Practice  
NURS 508 Advanced Professional Practice Issues  
NURS 509 Practice Management  
NURS 510 Advanced Nursing Research  
NURS 512 Research Applications  
Graduate Statistics course  
NURS 500 Advanced Physiological and Pathophysiological Concepts  
NURS 515 Advanced Pharmacology  
NURS 638 Clinical Psychopharmacology & Psychopathology (U of L)  
NURS 641 Advanced Psych/Mental Health Theory I (U of L)  
NURS 645 Advanced Clinical Practice I: Psych/Mental Health (U of L)  
NURS 642 Advanced Psych/ Mental Health Theory II (U of L)  
NURS 646 Advanced Clinical Practice II: Psych/Mental Health (U of L)  
HCA 564 Health Systems Informatics (WKU)  
PH 587 Health Behaviors (WKU)

**Post-MSN Certificate in Nursing, Nursing Education, Ref. # 172**

This certificate is for students who have completed a masters degree in nursing and desire to pursue non-degree educational preparation to teach in schools of nursing in university and community college settings. The required courses focus on theories and strategies that guide instructional process, teaching and evaluation strategies and faculty role development. Students may transfer up to 6 credit hours of the requirements listed below.

**Certificate Requirements— 23 hours**

*Required Core*

NURS 500 Advances Pathophysiology  
NURS 503 Advanced Health Assessment  
NURS 508 Advanced Professional Issues  
NURS 518 Clinical Teaching in Nursing  
NURS 520 Teaching in Schools of Nursing  
NURS 522 Teaching in Schools of Nursing Internship  
PSY 510 Advanced Educational Psychology  
**OR** PSY 511 Psychology of Learning  
CNS 552 Testing & Assessment in Counseling or substitute

## **Post-MSN Certificate in Nursing, Primary Care Nurse Practitioner, Ref. # 176**

This certificate is for students who have completed a master's degree 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. Students may transfer up to 12 hours of the courses listed below.

### **Certificate Requirements—28 hours**

#### *Required Core*

- NURS 500 Advanced Physiological and Pathophysiological Concepts
- NURS 503 Advanced Health Assessment
- NURS 505 Advanced Health Assessment Clinical†
- NURS 508 Advanced Issues in Professional Nursing
- NURS 509 Practice Management for Advanced Practice Nurses
- NURS 515 Advanced Pharmacology
- NURS 550 Primary Care: Children and Adolescents
- NURS 552 Primary Care: Adults
- NURS 554 Primary Care Internship

† Students transferring NURS 505 Advanced Health Assessment must show evidence of currency of knowledge through documentation of practice and may be required to repeat the course if it is older than 3 years. The clinical course requires 60 contact hours of clinical with patients in primary care settings across the lifespan.

## **Post-MSN Certificate in Nursing, Complementary Health Care, Ref. # 206**

Provides theory and nursing skills related to the five domains of complementary therapies recognized by the National Center for Complementary and Alternative Medicine (NCCAM) at the National Institutes of Health (NIH) including manipulative methods, alternative medical systems, mind/body interventions, biologically based treatments, and energy therapies. Regional and cultural influences related to the use of folk medicine are explored and opportunities are provided to interact with complementary healthcare practitioners.

### **Certificate Requirements—9 hours**

#### *Required Core—3 hours*

- NURS 415G Complementary Health Care

#### *Electives—6 hours\**

- FLK 462G Folklore and Medicine
- COMM 463G Intercultural Communication
- NURS 490G Parish Nursing (new, approval in process)
- NURS 450 G Rural Health & Safety

\*Other related courses area acceptable with advisor approval.

## **Post-MSN Certificate in Nursing, Nurse Administrator, Ref. # 0420**

The Nursing Administration Certificate is designed for MSN prepared nurses currently practicing in nursing management, or interested in a future career change to this specialty. The curriculum is designed to enhance nursing administration and leadership skills in a variety of health care settings. MSN students in other nursing specialties may enroll in this certificate.

All of the required courses comprise the nurse administrator specialty core curriculum. Specific support courses in the categories listed are selected by the student and approved by the nursing advisor.

### **Certificate Requirements**

#### *Required Core*

NURS 528 Leadership & Management in Nursing Administration  
NURS 530 Leadership Administration Internship  
Business Management/Finance Support Course  
Organizational Theory/Health Care System Support Course  
Human Resource Management Support Course  
Health Care Ethics/Law Support Course

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#### **Graduate Courses in Nursing**

*All courses worth 3 credit hours unless otherwise noted.*

NURS 415G Complementary Healthcare (3 hours)  
NURS 450G Rural Health and Safety  
NURS 490G Parish Nursing (3 hours)  
NURS 492G Faith Community Nursing  
NURS 500 Advanced Physiological and Pathophysiological Concepts (4 hours)  
NURS 501 Nursing, Politics and Health Policy (2 hours)  
NURS 503 Advanced Health Assessment (2 hours)  
NURS 504 Theoretical Foundations of Professional Nursing (3 hours)  
NURS 505 Advanced Health Assessment Clinical (1 hour)  
NURS 506 Transition to Advanced Nursing Practice (1 hour)  
NURS 508 Advanced Issues in Professional Nursing (1 hour)  
NURS 509 Practice Management for Advanced Practice Nurses (1 hour)  
NURS 510 Graduate Nursing Research (3 hours)  
NURS 512 Research Application (2 hours)  
NURS 515 Advanced Pharmacology (4 hours)  
NURS 518 Clinical Teaching in Nursing (3 hour)  
NURS 520 Teaching in Schools of Nursing (3 hours)  
NURS 522 Teaching in Schools of Nursing Internship (4 hours; 240 clock hours)  
NURS 528 Leadership and Management in Nursing Administration (3 hours)  
NURS 530 Nursing Administration Internship (3hours; 120 clock hours)  
NURS 540 Occupational Health Nursing Practicum I (1 hour; 1050 clinical hours)  
NURS 541 Occupational Health Nursing Practicum II (1 hour; 105 clinical hours)  
NURS 542 Occupational Health Nursing Practicum III (3 hours; 315 clinical hours)  
NURS 550 Primary Care: Children and Adolescents (5 hours; 120 clinical hours)  
NURS 552 Primary Care: Adults (5 hours; includes 120 clinical hours)  
NURS 554 Primary Care Internship (5 hours; includes 300 clinical hours)  
NURS 590 Special Topics in Nursing (1-6 hours)  
NURS 599 Thesis Research and Writing (6 hours)  
NURS 600 Maintaining Matriculation (1-6 hours)

## ***Department of Kinesiology, Recreation & Sport***

William Hey, Head

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<http://www.wku.edu/PERec>

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### **Graduate Faculty**

**Professors:** R. Deere, W. Hey, S. Spencer

**Associate Professor:** T. Lyons, J. Navalta, R. Poff

**Assistant Professors:** S. Arnett, B. Larson, R. Ramsing, M. Schafer, P. Upright

## **Master of Science in Physical Education, Ref. # 090**

### **Admission Requirements**

1. Undergraduate physical education major or the equivalent of an undergraduate minor in physical education. Students should contact the department head for specific prerequisite courses.
2. The Department of Kinesiology, Recreation and Sport does not require the GRE or GMAT for admission.
3. Requirements for admission include letters of recommendation from employers (when applicable), a writing sample, resume, statement of purpose, and an undergraduate GPA of at least 2.5 overall, 2.75 in the last 60 hours of the undergraduate program, or a 3.0 in the undergraduate content area.

### **Degree Requirements**

The program has two concentrations: Physical Education Teacher Education, which focuses on teaching Physical Education, and Exercise Science, which focuses on the scientific bases of exercise and human performance. Both of these concentrations will meet the Kentucky Teacher Requirements for Advanced Teaching Standards.

#### **Exercise Science, Concentration Code PEXS**

The Exercise Science Concentration is designed to prepare students for various careers within this dynamic field. Also, the Exercise Science Concentration is designed to meet the requirements for Kentucky P-12 Physical Education Certification. This area of study also provides excellent preparation for students wishing to continue their education in a related doctoral program.

This rigorous course work, permitting in-depth study of various topics, is coupled with research and practicum opportunities that enhance learning by allowing students to acquire hands-on experiences in numerous areas of Exercise Science.

#### *Required Core—18 hours*

PE 501 Research Methods in Physical Education

PE 503 Motor Learning

PE 504 Advanced Exercise Physiology

PE 515 Assessment in Physical Education and Recreation



*Restricted Electives—6 hours\**

- PE 505 Foundations of Curriculum Construction
- OR** PE 521\* Critical Analysis of Professional Literature in Physical Education
- PE 520 Teaching Strategies in Physical Education
- OR** PE 522\* Advanced Exercise Prescription

*Electives—9 hours\**

*\*Selected in consultation with the graduate advisor.*

**Teacher Education, Concentration Code TCHR**

The Teacher Education Concentration is designed to meet the requirements for Kentucky P-12 Physical Education Certification. The Teacher Education Concentration is offered on-site through evening classes and also through the Division of Extended Learning and Outreach as an On-line Option (Distance Learning).

*Required Core—18 hours*

- PE 501 Research Methods in Physical Education
- PE 503 Motor Learning
- PE 504 Advanced Exercise Physiology
- PE 515 Assessment in Physical Education and Recreation
- EDU 501 Professional Development Plan
- EDU 596 Seminar: Portfolio Development Professional Growth
- PSY 510 Advanced Educational Psychology
- OR** PSY 511 Psychology of Learning

*Restricted Electives—6 hours\**

- PE 505 Foundations of Curriculum Construction
- OR** PE 521 Critical Analysis of Professional Literature in Physical Education
- PE 520 Teaching Strategies in Physical Education
- OR** PE 522 Advanced Exercise Prescription

*Electives—9 hours\**

*\*Selected in consultation with the graduate advisor.*

**Master of Arts in Education Physical Education minor, Ref. # 023**

*Minor Required Core—12 hours*

- PE 504 Advanced Exercise Physiology
- PE 505 Foundations of Curriculum Construction
- PE 508 Adapted Physical Education ^
- PE 520 Teaching Strategies in Physical Education

*^Students who have taken an adaptive physical education course in their undergraduate program may substitute an elective course for PE 508.*

## **Master of Science in Recreation and Sport Administration, Ref. #095**

This program is designed to prepare professional Recreation and Sport Administration practitioners for a wide range of occupations. The program offers two concentrations: 1) General and 2) Athletic Administration & Coaching. The General concentration provides opportunity for study in a specialized area of recreation, knowledge of research procedures, and academic background for students planning to pursue doctoral study. The Athletic Administration and Coaching concentration provides an opportunity for persons interested in Athletic Administration to gain knowledge, research and experience in this dynamic area. The program includes thesis and non-thesis options. Candidates are encouraged to write a thesis.

### **Degree Requirements—33 hours**

#### *Required Core—21 hours*

REC 501 Analysis of Research in Recreation  
REC 513 Recreation and Sport Administration  
REC 515 Recreation Sport Facility Development  
REC 517 Legal Issues in Recreation and Sport  
REC 519 Fiscal Practices in Recreation Sport  
REC 521 Public Relations in Recreation and Sport  
REC 523 Theory of Recreation and Sport

And one of the following concentrations:

#### *General Concentration (RECG)*

REC 590 Practicum in Recreation and Sport  
9 hours of electives

#### *Athletic Administration & Coaching (REIA)*

PE 530 Independent Investigations in Physical Education  
REC 542 Investigation of Current Interscholastic Athletics Issues  
REC 543 Sports Medicine Administration for Interscholastic Athletics  
REC 544. Championship Events (Practicum)

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### **Graduate Courses in Physical Education**

*All courses worth 3 credits hours unless otherwise noted.*

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|--|--|
| <b>PE 501</b> Research Methods in Physical Education       | <b>PE 521</b> Critical Analysis of Professional Literature in Physical Education |
| <b>PE 503</b> Motor Learning                               | <b>PE 522</b> Advanced Exercise Prescription                                     |
| <b>PE 504</b> Advanced Exercise Physiology                 | <b>PE 523</b> Seminar in Exercise Science  |
| <b>PE 505</b> Foundations of Curriculum Construction       | <b>PE 524</b> Applied Biomechanics   |
| <b>PE 508</b> Adapted Physical Education                   | <b>PE 530</b> Independent Investigations in Physical Education                   |
| <b>PE 514</b> Lab Methods in Exercise Phys                 | <b>PE 596</b> Practicum in Exercise Science                                      |
| <b>PE 515</b> Assessment Physical Education and Recreation | <b>PE 599</b> Thesis Research and Writing (6 hours)                              |
| <b>PE 520</b> Teaching Strategies in Physical Education    | <b>PE 600</b> Maintaining Matriculation (1-6 hours)                              |
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### **Graduate Courses in Recreation**

*All courses worth 3 credit hours unless otherwise noted.*

- |   |   |
|---|---|
| <b>REC 404G</b> Recreation Facility Management                      | <b>REC 517</b> Legal Issues in Recreation and Sport                         |
| <b>REC 420G</b> Commercial Recreation Tourism                       | <b>REC 519</b> Fiscal Practices in Recreation Sport                         |
| <b>REC 423G</b> Camp and Conference Center Administration           | <b>REC 521</b> Public Relations in Recreation and Sport                     |
| <b>REC 424G</b> Camp and Conference Center Administration           | <b>REC 523</b> Theory of Recreation and Sport                               |
| <b>REC 426G</b> Facility Planning and Design                        | <b>REC 530</b> Advanced Studies in Recreation                               |
| <b>REC 428G</b> Community Centers & Playgrounds                     | <b>REC 532</b> Environmental Education Resources                            |
| <b>REC 430G</b> Recreation Resource Management                      | <b>REC 542</b> Investigation of Current Interscholastic Athletics Issues    |
| <b>REC 434G</b> Development of Nature Oriented Areas and Facilities | <b>REC 543</b> Sports Medicine Administration for Interscholastic Athletics |
| <b>REC 435G</b> Outdoor Expedition Planning                         | <b>REC 544</b> Championship Events (Practicum)                              |
| <b>REC 437G</b> Outdoor Leadership Expedition                       | <b>REC 590</b> Practicum in Recreation and Sport                            |
| <b>REC 482G</b> Recreation Workshop                                 | <b>REC 598</b> Master's Project in Recreation and Sport                     |
| <b>REC 501</b> Analysis of Research in Recreation                   | <b>REC 599</b> Thesis Research and Writing (6 hours)                        |
| <b>REC 513</b> Recreation and Sport Administration                  | <b>REC 600</b> Maintaining Matriculation (1-6 hours)                        |
| <b>REC 515</b> Recreation Sport Facility Development                |   |

## ***Department of Public Health***

Gary English, Head

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### **Graduate Faculty**

**Professors:** J. Bonaguro

**Associate Professors:** D. Bradley, G. English, M. Gardner, E. Iyiegbuniwe, S. Nagy, R. Taylor, C. Watkins, J. White

**Assistant Professors:** K. Abrahamson, G. Ellis, B. Ibrahimou, V. Golla, G. Lartey, W. Mkanta, D. Shearer, F. Wensheng

### **Master of Public Health, Ref. # 152**

Contact: Darlene Shearer, MPH Program Director

The Master of Public Health (MPH) is a professional degree program designed to meet the needs of a wide range of health professionals (e.g., public health educators, nurses, environmentalists, public health administrators, industrial health personnel, nutritionists, dental hygienists, physicians, and other professionals) who desire graduate education in public health. The MPH degree program is accredited by the Council on Education for Public Health. Two concentrations are offered: environmental health and public health education. To pursue the MPH degree, the applicant must have completed a baccalaureate degree in health sciences, or have adequate academic preparation in the disciplines basic to public health.

### **Admission Requirements**

In addition to the admission requirements required by the University applicants to the MPH must submit a statement of purpose in essay form, typed or written legibly, and no longer than two pages. It should address the following points:

1. Explain how your academic and personal background experiences have prepared you for graduate study in public health, and in particular, public health education or environmental health;
2. Explain or describe your interest in public health and your reasons for seeking education in this field;
3. Describe the type of position you expect to fill in the field of public health upon completion of the MPH; and
4. State your long-term career plans and explain how you expect the MPH degree to help you achieve your goals.

### **Environmental Health, Concentration Code PHEH**

#### **Degree Requirements—minimum of 42 hours**

The goal of the environmental health option of the MPH program is to prepare graduates who can function as a professional environmental health specialist in a variety of public and private settings. Students completing the environmental health option in the MPH program will be able to:

- Understand basic concepts of ecology and understand human's role in altering the ecosystem

- Assess a community to determine the presence of adverse environmental conditions and their potential impact on human health
- Monitor the community's environment to assure that the environmental quality is conducive to good health
- Develop and implement strategies to remediate unhealthy environmental conditions
- Understand the role of and work with the public and private sectors in controlling adverse environmental conditions
- Manage resources and personnel to effectively carry out an environmental health program
- Identify, interpret, and implement environmental health laws, regulations, and policies
- Function effectively as a member of the public health team

*Required Core—24 hours*

PH 520 Biostatistics for Public Health  
 PH 580 Introduction to Public Health  
 PH 582 Epidemiology  
 PH 583 Public Health Administration  
 PH 584 Principles of Environmental Health  
 PH 587 Health Behavior  
 PH 546 Graduate Internship  
 PH 591 Health Program Evaluation

*Concentration Course Work—18 hours*

PH 510 Watershed Management and Science  
 PH 571 Air Quality Management  
 PH 577 Environmental Toxicology  
 EHS 580 Solid and Hazardous Waste  
 PH 599 Thesis (6 hours)

**OR** PH 588 Public Health Capstone plus one approved elective from below

BIOL 472G Applied and Environmental Microbiology  
 PH 530 Independent Investigations in Public Health  
 PH 585 International Health  
 PH 560 Environmental Management and Risk Assessment  
 PH 595 Public Health Management of Disasters  
 ENV 495G Environmental Measurement  
 PH 599 Thesis Research  
 PH 501 Research Methods

## **Public Health Education, Concentration Code PHED**

### **Degree Requirements—minimum of 42 hours**

The public health education specialization prepares public health education professionals to effectively plan, implement, and evaluate health education and promotion programs, and carry out the related professional functions. Graduates will be able to:

- Assess individual and community needs for health education
- Plan effective health education programs
- Implement health education programs
- Evaluate the effectiveness of health education programs
- Coordinate provisions of health education programs
- Act as a resource person in health education
- Communicate health and health education needs, concerns, and resources
- Solve problems in ways sensitive to cultural differences

#### *Required Core—24 hours*

PH 520 Biostatistics for Public Health  
PH 580 Introduction to Public Health  
PH 582 Epidemiology  
PH 583 Public Health Administration  
PH 584 Principles of Environmental Health  
PH 587 Health Behavior  
PH 546 Graduate Internship  
PH 591 Health Program Evaluation

#### *Concentration Course Work—18 hours*

PH 548 Community Health Organization  
PH 575 Health Education & Promotion Program  
PH 576 Education and Communication Techniques in Public Health Education  
PH 599 Thesis plus an approved elective from the list below

**OR** PH 588 Public Health Capstone plus 6 hours of approved electives from below

PH 501 Research Methods  
PH 530 Independent Investigations in Public Health  
PH 568 STD/HIV Prevention: A Public Health Approach  
PH 585 International Health  
PH 586 Violence Prevention  
PH 595 Public Health Management of Natural & Technological Disasters  
HCA 540 Health Care Organization & Management  
HCA 541 Strategic Management & Marketing of Health Services  
HCA 542 Health Care Human Resource Management  
HCA 546 Health Systems Informatics  
HCA 586 Health Economics Policy  
PH 599 Thesis Research  
PH 572 Drug Abuse Prevention

## **Master of Arts in Education Health minor, Ref. # 014**

Contact: Dr. Grace Lartey

The program leading to the Master of Arts in Education with a minor in health is designed to prepare graduates for positions as (1) health educators in junior and senior high schools, (2) coordinators of school health programs, (3) administrators and supervisors of school health programs, and (4) family resource and youth service center directors. The applicant must hold a valid teaching certificate and have the minimum of an undergraduate minor in health. Applicants who hold a valid teaching certificate but have not completed a recognized minor in health may be conditionally admitted if they have completed a minimum of 12 semester hours of undergraduate course work in health and/or related courses.

Students pursuing a minor in health must complete 12 to 15 hours in health, including Public Health 567 and 587. Six to nine additional hours of health must be chosen with approval of the student's graduate minor advisor.

## **Master of Health Administration, Ref. # 153**

Contact: Charles F. Wainright, Program Director

The Master of Health Administration (MHA) degree program prepares graduates for administrative positions in various 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.

### **Admission Requirements**

Students from various undergraduate backgrounds, who meet the university graduate admissions requirements, may be admitted to the program. The minimum specific requirements are a GAP score (GRE scores on verbal +quantitative + analytic sections x GPA) equal to or above 4000 or a GAP score (GRE scores for verbal + quantitative sections x GPA) equal to 2500 on the new GAP rating. Applicants must score at least 450 on each of the two 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. Additional undergraduate and graduate courses may be required depending upon the applicant's educational background. International students must also submit a letter of intent regarding the MHA Program degree and successfully pass the TOEFL exam (e.g., 550 on the paper-based, 213 on the computer based and 79 on the iBT TOEFL).

### **Degree Requirements—56 hours**

#### *Required Core—47 hours*

BA 501 Economic Theory

BA 505 Survey of Accounting

PH 520 Vital and Medical Statistics

PH 582 Epidemiology

HCA 520 Graduate Statistics Lab

HCA 540 Health Care Organization and Administration  
HCA 541 Strategic Management & Marketing of Health Services  
HCA 542 Health Care Human Resource Administration  
HCA 543 Health Care Quality and Accountability  
HCA 544 Health Care Systems Design and Behavior  
HCA 545 Managerial Finance for Health Services  
HCA 551 Health Services Jurisprudence  
HCA 564 Health Systems Informatics  
HCA 565 Health Systems Informatics Lab  
HCA 571 Managed Care  
HCA 574 Decision Making in Health Services  
HCA 586 Health Economics and Policy

*Electives—3 hours*

Selected with advisor approval.

One of the following options:

*Internship Option—6 hours*

HCA 546 Graduate  
Internship

*Thesis Option—6 hours*

PH 599 Thesis  
Research and  
Writing

*Executive Option—6 hours*

Two 3-hour courses in a  
concentration area

### **Environmental Health and Safety Certificate, Ref.# 0427**

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.

#### **Admission Requirements**

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. The certificate is 15 credit hours.

#### **Certificate Requirements—15 hours**

*Required Core—12 hours*

EHS 572 Environmental and Occupational Epidemiology  
PH 577 Environmental Toxicology  
PH 584 Principles of Environmental Health  
PH 530 Independent Investigations in Public Health



*Electives—3 hours\**

PH 571 Air Quality Management  
EHS 580 Solid and Hazardous Waste Management  
PH 560 Environmental Management and Risk Assessment  
PH 595 Public Health Management of Disasters  
PH 510 Watershed Management and Science

*\*Other elective courses may be chosen with advisor approval.*

## **Aging Studies Certificate, Ref.# 0419**

The Graduate Certificate in Aging Services prepares a qualified work force to address the needs of our aging population. The need for a gerontology certificate arises because the complex issues and problems of aging require an interdisciplinary perspective that is not provided within any single discipline. The knowledge and skills acquired will enable graduates to integrate gerontology into their discipline and to provide services for an older population. The certificate provides documentation that students have completed an organized program of interdisciplinary gerontology courses.

### **Admission Requirements**

A bachelor's degree is required.

### **Certificate Requirements—12 hours**

*Required Core—9 hours*

GERO 501 Perspectives on Aging  
GERO 503 Policy Foundations of Aging Services  
GERO 505 Development & Change of Aging Programs

*Electives—3 hours*

Chosen from the following\*

ADED 520 Methods for Teaching Older Adults  
ADED 530 Program Planning for Adults  
ADED 611 Adult Learning and Development  
CD 489G Geriatric Communication Disorders  
CFS 585 Nutrition for the Elderly  
GERO 510 Current Issues in Aging  
GERO 581 Global Aging  
HCA 540 Health Care Org & Management  
HCA 541 Strategic Mgt & Marketing Health Services  
HCA 571 Managed Care  
NURS 552 Primary Care: Adults  
NURS 502 Advanced Health Assessment  
PH 443G Health Problems of the Aged  
PH 444G Death Education  
PH 464G Women's Health

PHIL 426G Philosophy and Old Age  
PSY 423G Psychology of Adult Life and Aging

*\*Other elective courses may be chosen with advisor approval.*

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### **Graduate Courses in Health Care Administration**

*All courses worth 3 credit hours unless otherwise noted.*

<b>HCA 401G</b> Fund Health Financial Management	<b>HCA 546</b> Graduate Internship
<b>HCA 520</b> Graduate Statistics Laboratory	<b>HCA 551</b> Health Care Jurisprudence Administration
<b>HCA 530</b> Independent Investigations in Health Care	<b>HCA 555</b> Health Care Preparedness and Leadership
<b>HCA 540</b> Health Care Organization and Management	<b>HCA 556</b> Ambulatory Care/Rural Health
<b>HCA 541</b> Strategic Management & Marketing of Health	<b>HCA 564</b> Health Systems Informatics Services
<b>HCA 542</b> Health Care HR Administration	<b>HCA 565</b> Health System Laboratory
<b>HCA 543</b> Health Care Quality and Accountability	<b>HCA 571</b> Managed Care
<b>HCA 544</b> Health Care Systems Design and Behavior	<b>HCA 572</b> Special Topics in Health Services
<b>HCA 545</b> Managerial Finances for Health Services	<b>HCA 574</b> Decision Making in Health Services
	<b>HCA 586</b> Health Economics and Policy

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### **Graduate Courses in Public Health**

*All courses worth 3 credits unless otherwise noted.*

<b>PH 402G</b> Worksite Health Promotion	<b>PH 568</b> STD/HIV Prevention: A Public Health Approach
<b>PH 443G</b> Health Problems of the Aged	<b>PH 571</b> Air Quality Management
<b>PH 444G</b> Death Education	<b>PH 572</b> Practice/Drug Abuse Prevention
<b>PH 447G</b> Human Values and the Health Sciences	<b>PH 575</b> Health Education & Promotion Program Planning
<b>PH 450G</b> Rural Health and Safety	<b>PH 576</b> Education & Communication Techniques in Public Health Education
<b>PH 460G</b> School and Community Health Workshop	<b>PH 577</b> Environmental Toxicology
<b>PH 461G</b> Comprehensive School Health Program	<b>PH 579</b> Solid and Hazardous Wastes
<b>PH 462G</b> Folklore and Medicine	<b>PH 580</b> Introduction to Public Health
<b>PH 463G</b> Consumer Health	<b>PH 581</b> Methods in Public Health Education
<b>PH 464G</b> Women's Health	<b>PH 582</b> Epidemiology
<b>PH 465G</b> Health & Safety in the Elementary School	<b>PH 583</b> Public Health Administration
<b>PH 466G</b> Clinical Health Education	<b>PH 584</b> Principles of Environmental Health
<b>PH 467G</b> Drug Abuse Education	<b>PH 585</b> International Health
<b>PH 468G</b> Sexuality Education	<b>PH 586</b> Violence Prevention: A Public Health Approach
<b>PH 469G</b> Critical Issues in Health and Safety	<b>PH 587</b> Health Behavior
<b>PH 501</b> Research Methods	<b>PH 588</b> Public Health Capstone
<b>PH 510</b> Watershed Management and Science	<b>PH 589</b> Internship in Community College Training
<b>PH 520</b> Biostatistics for Public Health	<b>PH 590</b> Public Health Law
<b>PH 524</b> Applied Biomechanics	<b>PH 591</b> Health Program Evaluation
<b>PH 530</b> Ind Investigations in Publ Health (1-6 hours)	<b>PH 595</b> Public Health Management of Disasters
<b>PH 545</b> The Health Education Curriculum	<b>PH 599</b> Thesis Research and Writing (6 hours)
<b>PH 546</b> Graduate Internship (1- 6 hours)	<b>PH 600</b> Maintaining Matriculation (1-6 hours)
<b>PH 548</b> Community Health Organization	
<b>PH 560</b> Enviro Management & Risk Assessment	
<b>PH 567</b> Administration of the Comprehensive School Health Program	

**Graduate Courses in Safety**

*All courses worth 3 credits unless otherwise noted*

**SFTY 470G** Driver Education and Traffic Education

**SFTY 471G** Advanced Studies in Driver Education

**SFTY 530** Independent Investigations in Safety (1-6 hours)

**SFTY 570** School and Community Safety Programs

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**Graduate Courses in Environmental Health and Safety**

*All courses worth 3 credits unless otherwise noted*

**EHS 572** Environmental and Occupational Epidemiology

**EHS 580** Solid and Hazardous Wastes

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**Graduate Courses in Gerontology**

*All courses worth 3 credits unless otherwise noted*

**GERO 501** Perspectives in Aging

**GERO 503** Policy Foundations of Aging Services

**GERO 505** Development & Change of Aging Programs

**GERO 510** Current Issues in Aging

**GERO 581** Global Aging

## ***Department of Social Work***

J. Dean May, Head  
<http://www.wku.edu/chhs/socialwork/>

Academic Complex 211  
(270) 745-5312 Office  
(270) 745-6841 Fax

### **Graduate Faculty**

**Professors:** J. May

**Associate Professors:** R. Smith, S. Starks, G. Villereal

**Assistant Professors:** A. Cappiccie, J. Chadha, W. Gabbard, D. Sullivan

**Instructor:** P. Desrosiers

### **Master of Social Work, Ref. # 157**

J. Dean May, Interim Program Director  
[dean.may@wku.edu](mailto:dean.may@wku.edu)

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 three program options for students meeting the admission requirements outlined below. The Traditional Option requires 60 semester hours for students with a baccalaureate degree in any field and may be taken full or part-time. The Advanced-Standing Option 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. All program options 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.

#### **Admission Requirements for the 60 hour Traditional Program**

- An overall GPA of at least 2.75 for all hours earned past the first 60 semester or 90-quarter hours of the baccalaureate degree (regardless of GAP score), or a minimum score of 800 on the combined verbal and quantitative portion of the Graduate Record Examination (regardless of GAP scores).
- A Western Kentucky University Master of Social Work program application and personal statement.
- Three completed WKU Master of Social Work program reference forms.
- 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 of entrance into the MSW program.

- Completed at least one course from each of the following areas: economics, American government, psychology, sociology, and human biology. These courses must have been completed with a minimum grade of C. 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.
- Students with above a 2.75 GPA applying for the 60 hours **Traditional Program** who otherwise meet admission criteria in the application for the MSW program are not required to take the GRE for admission. The GRE is not required for admission of **Advanced Standing** students with a GPA of 3.0.

#### **Advanced Standing Option Requirements**

- 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 a grade point average of 3.0 or higher in social work courses.
- 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.
- 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.
- An interview may be required.

#### **Provisional 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. The request should be attached to this 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
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.

### **Traditional Program Curriculum—60 hours**

#### *Year 1 Fall*

SWRK 501 Cultural Competency In Social Work Practice  
 SWRK 510 Human Behavior in the Social Environment  
 SWRK 520 Generalist Social Work Practice  
 SWRK 540 Foundation of Social Work Research  
 SWRK 560 Foundation Field Practicum I

#### *Year 1 Spring*

SWRK 522 Group Dynamics in Social Work Practice  
 SWRK 523 Rural Community Organization and Development  
 SWRK 530 Foundation of Social Welfare Policy  
 SWRK 561 Foundation Field Practicum II

#### *Year 2 Fall*

SWRK 610 Social Work Administration and Supervision  
 SWRK 620 Advanced Psycho-Social Approaches for Rural Practice  
 SWRK 623 Social Work Clinical Assessment and Intervention  
 SWRK 630 Rural Social Welfare Policy

#### *Year 2 Spring*

SWRK 640 Applied Social Work Research  
 SWRK 660 Concentration Field Practicum I  
 SWRK 661 Concentration Field Practicum 11  
 SWRK 622 Integrated Social Work Practice with Families

#### *Electives—9 hours*

### **Advanced Standing Program—33 hours**

#### *Year 1 Fall*

SWRK 610 Social Work Administration & Supervision  
 SWRK 612 Social Work in Diverse Rural Areas  
 SWRK 620 Advanced Psycho-Social Approached for Rural Practice  
 SWRK 623 Social Work Clinical Assessment & Intervention (formerly SWRK 521)  
 SWRK 660 Concentration Field Practicum I

*Year 1 Winter Term*

Elective 1

*Year 1 Spring Semester*

SWRK 622 Advanced Social Work Practice with Families

SWRK 630 Rural Social Work Policy

SWRK 640 Applied Social Work Research

SWRK 661 Concentration Field Practicum II

Elective 2

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**Graduate Courses in Social Work**

*All courses worth 3 credit hours unless otherwise noted.*

**SWRK 433G** Ethical Issues & Dilemmas in Social Work

**SWRK 436G** Services to Children

**SWRK 501** Cultural Competency in Social Work Practice

**SWRK 510** Human Behavior in Social Environment

**SWRK 520** Generalist Social Work Practice

**SWRK 522** Group Dynamics in Social Work

**SWRK 523** Rural Community Organization and Development

**SWRK 530** Foundations of Social Welfare Policy

**SWRK 540** Foundations of Social Work Research Methods

**SWRK 560** Foundation Field Practicum I

**SWRK 561** Foundation Field Practicum II

**SWRK 571** Introduction to KY Child Welfare Practice

**SWRK 572** Family Violence: Social Work Practice

**SWRK 573** Assessment & Case Management of Child Sex Abuse

**SWRK 574** Enhancing Safety & Permanency for Children

**SWRK 575** Adol Issues in KY Child Welfare

**SWRK 610** Social Work Administration and Supervision

**SWRK 612** Social Work in Diverse Rural Areas

**SWRK 620** Advanced Psycho-Social Approaches for  
Rural Practice

**SWRK 622** Integrated Social Work Practice with Families

**SWRK 623** Social Work Clinical Assessment and Intervention

**SWRK 630** Rural Social Welfare Policy

**SWRK 637** Theories in Addiction

**SWRK 640** Applied Social Work Research

**SWRK 647** Addictions: Assessment, Diagnosis and Treatment Planning

**SWRK 660** Advanced Field Practicum I

**SWRK 661** Advanced Field Practicum II

**SWRK 667** Drug Abuse Counseling

**SWRK 671** Social Work and the Law

**SWRK 672** Child Sexual Abuse

**SWRK 673** Grief and Loss: Issues and Interventions

**SWRK 675** Expressive Therapies in Social Work Practice

**SWRK 695** Special Topics in Social Work

**SWRK 698** Selected Readings in Social Work

**SWRK 699** Selected Research in Social

## *Gordon Ford College of Business*

Robert Reber, Interim Dean

### **Departments**

Accounting

Computer Information Systems

Economics

Finance

Management

Marketing

### **Degrees Offered**

**Master of Arts**

Applied Economics

**Master of Business Administration**



## ***Master of Business Administration, Ref. # 057***

April Schlegel, Admissions Director  
[mba@wku.edu](mailto:mba@wku.edu)

Grise Hall 434A  
(270) 745-5458 Office  
(270) 745-3893 Fax

The MBA is an interdisciplinary program that provides professional education for successful careers in business. The program emphasizes accounting, computer information systems, economics, finance, management and marketing. Students take a core area of courses and fulfill their remaining credit hours with approved electives.

The program is offered using four distinct methods of delivery. Students must elect their preferred method of delivery in their graduate application form.

The full-time option is best suited for the students whose schedule can accommodate regularly scheduled afternoon and evening sessions, desire face-to-face interaction, and are not employed full-time. (The Trilateral option is an iteration of the full-time, featuring two semesters in two foreign countries).

The part-time online option offers its course work online. This delivery method is best suited for students who are already actively engaged in their profession and require the flexibility of work anywhere, anytime.

The professional option combines the flexibility of a part-time program with face-to-face interaction, by meeting in person on alternating Saturdays. This program is best suited for students who have at least five years of professional or mid to upper lever management experience.

### **Admission Requirements**

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. Completion of graduate application form, a current resume with two references listed, submission of an official undergraduate degree transcript from each university attended 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.
3. Admissions standards for the professional MBA option may use substantial professional work experience (five years minimum of professional or mid to upper lever management experience) to overcome deficiencies in other admission criteria.
4. Applicants who have limited prior academic background in basic business are required to demonstrate proficiency in eight major areas by:
  - a. Successfully completing one or more preparatory courses as specified by the MBA Director,  
**OR**
  - b. Successfully completing BA 502 MBA Foundation Modules  
**OR**
  - c. Successfully completing one or more core area proficiency exams (fees required).

*\*These minimum requirements establish eligibility for admission, but do not guarantee acceptance.*

## **Degree requirements—33 hours**

### *Required Core – 27 hours*

- BA 510** Advanced Organizational Theory
- BA 511** Applied Microeconomic Theory
- BA 512** Business Analysis & Research
- BA 513** Information Technology and Strategy
- BA 515** Managerial Accounting
- BA 517** Advanced Marketing
- BA 519** Advanced Managerial Finance
- BA 580** Contemporary Issues in Business\*
- BA 590** Strategic Business Concepts & Applications

### *Electives - 6 hours*

Students may choose 6 semester hours of electives from the various functional areas of business. Electives may also be taken outside the Gordon Ford College of Business with approval of the MBA Director.

*\*Can be replaced with an approved 3 hour elective.*

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## **Graduate Courses in Business Administration**

*All courses worth 3 credit hours unless otherwise noted.*

- |  |   |
|--|---|
| <b>BA 500</b> Management Dynamics  | <b>BA 541</b> Survey of Public Finance                    |
| <b>BA 501</b> Survey of Economic Theory                                      | <b>BA 542</b> International Economics                     |
| <b>BA 502</b> MBS Foundation Modules   | <b>BA 543</b> Forecasting                                 |
| <b>BA 503</b> Information Systems and Decision Science                       | <b>BA 544</b> Labor and Human Resource Economics          |
| <b>BA 505</b> Survey of Accounting Principles                                | <b>BA 550</b> Bank Management                             |
| <b>BA 507</b> Marketing Management   | <b>BA 551</b> Investments and Portfolio Management        |
| <b>BA 509</b> Managerial Finance   | <b>BA 552</b> International Finance                       |
| <b>BA 510</b> Advanced Organizational Theory                                 | <b>BA 560</b> Contemporary Human Resource Management      |
| <b>BA 511</b> Applied Microeconomic Theory                                   | <b>BA 571</b> Services Marketing                          |
| <b>BA 512</b> Business Analysis & Research                                   | <b>BA 572</b> Consumer Behavior                           |
| <b>BA 513</b> Information Technology and Strategy                            | <b>BA 573</b> International Business                      |
| <b>BA 515</b> Managerial Accounting Concepts & Applications                  | <b>BA 579</b> Supply Chain Management                     |
| <b>BA 517</b> Advanced Marketing   | <b>BA 580</b> Contemporary Issues in Business (1-3 hours) |
| <b>BA 519</b> Advanced Managerial Finance                                    | <b>BA 590</b> Strategic Business Concepts & Applications  |
| <b>BA 520</b> Critical Thinking and Business Ethics                          | <b>BA 592</b> Special Topics in Business                  |
| <b>BA 533</b> Managing Database Applications                                 | <b>BA 751</b> Strategic Leadership                        |
| <b>BA 534</b> Electronic Commerce  | <b>BA 752</b> Leading Innovation, Creativity, and Change  |
| <b>BA 535</b> International Accounting Issues for Management Decision Making | <b>BA 753</b> Current Topic in Organizational Behavior    |
| <b>BA 540</b> Applied Statistical Methods                                    | <b>BA 754</b> Budgeting and Financial Decision Making     |

## ***Department of Accounting***

Steve Wells, Chair

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

<http://www.wku.edu/Dept/Academic/gfcb/accounting/>

Grise Hall 501

(270) 745-3895 Office

(270) 745-5953 Fax

### **Graduate Faculty**

**Professors:** R. Aldridge, Y. Chen, J. Hall, N. Magner, S. Wells

**Associate Professors:** R. Kinnersley, M. Lee, H. Little

**Assistant Professors:** S. Wade

*No courses available from this department.*

## ***Department of Computer Information Systems***

J. Butterfield, Chair

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

<http://cis.wku.edu/>

Grise Hall Room 200

(270) 745-5408 Office

(270) 745-6376 Fax

### **Graduate Faculty**

**Associate Professor:** R. Blankenship

**Assistant Professors:** J. Atkinson, P. Coleman, E. Thrasher

*No courses available from this department.*

## ***Department of Finance***

C. Brown, Interim Chair

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

<http://finance.wku.edu>

Grise Hall 334

(270) 745-2018 Office

(270) 745-5284 Fax

### **Graduate Faculty**

**Professor:** K. Chan, I. Chhachhi

**Assistant Professor:** Y. Lo

### **Graduate Courses in Finance**

**All courses worth 3 credit hours unless otherwise noted.**

**FIN 437G** Corporate Asset Management

**FIN 438G** Corporate Funds Management

**FIN 439G** Security Analysis/Portfolio Management

**FIN 449G** Practicum in Portfolio Management

## ***Department of Management***

Z. Mohamed, Chair

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

<http://www.wku.edu/management/welcome.htm>

Grise Hall Room 200

(270) 745-5408 Office

(270) 745-6376 Fax

### **Graduate Faculty**

**Professor:** A. Rahim,

**Associate Professors:** R. Hatfield, P. Potter

**Assistant Professor:** S. Spiller

*No courses available from this department.*

## ***Department of Marketing***

R. Shannon, Chair

<http://www.wku.edu/gfcb/marketing>

Grise Hall Room 431

(270) 745-2249 Office

(270) 745-3190 Fax

### **Graduate Faculty**

**Associate Professor:** C. Martin

### **Graduate Courses in Marketing**

*All courses worth 3 credit hours unless otherwise noted.*

**MKT 529** Directed Study in Marketing

## ***Department of Economics***

Michelle Trawick, Chair

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

<http://www.wku.edu/Economics/econdept.htm>

Grise Hall Room 431

(270) 745-2249 Office

(270) 745-3190 Fax

### **Graduate Faculty**

**Professors:** M. Borland, M. Carey, B. Goff, R. Howsen, S. Lile, T. Noser,

**Associate Professors:** M. Trawick, D. Wilson

**Assistant Professors:** D. Zimmer

### **Master of Arts Applied Economics, Ref. # 0410**

The Master of Arts in Applied Economics emphasizes the training of students with backgrounds in economics and other arts and sciences for careers that require strong analytical skills, technical tools, and communication abilities that can be applied to a broad range of subjects. Toward this end, students may also enroll in courses from related master programs including 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.

### **Admission Requirements**

1. Completion of graduate application form, a list of three references, submission of official copy of undergraduate degree transcript, and an official copy of a GRE score taken within the last five years. Applications are considered for fall admission only.
2. Minimum undergraduate overall grade point average of 2.75 (4.0 scale) and a minimum GRE score of 900. Alternate graduate admission test scores such as the GMAT or LSAT will be considered on a case by case basis as a substitute for the GRE.
3. All applicants from non-English speaking countries are required to take the Test of English as a Foreign Language (TOEFL). A minimum score of 79 on the iBT TOEFL is required for admission.
4. All applicants must have completed an introductory microeconomics (Economics 202 or equivalent) course, an introductory macroeconomics (Economics 203 or equivalent) course, and an introductory statistics (Economics 206 or equivalent) course. Students who have not completed an intermediate level course (300 level or higher) course in microeconomics, macroeconomics, or statistics will be required to complete a preparatory workshop in the area of deficiency prior to the fall semester. Economics 501 may be substituted for the microeconomics and macroeconomics preparatory workshops.

## **Degree requirements—30 hour minimum**

### *Required Core—12-15 hours*

ECON 465G Regression and Econometric Analysis\*  
ECON 502 Applied Microeconomic Theory  
ECON 503 Applied Macroeconomic Theory  
ECON 506 Applied Statistical Methods  
ECON 594 Forecasting

### *Thesis or Project—3-6 hours*

ECON 596 Applied Economics Project  
**OR** ECON 599 (Thesis)

### *Electives—9-12 hours*

Selected with advisor approval. Up to 6 hours of approved non-economics courses and up to 12 hours of 400G courses.

*\*Waived if student has taken Econ 465 or equivalent as an undergraduate.*

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## **Graduate Courses in Economics**

*All courses worth 3 credit hours unless otherwise noted.*

<b>ECON 400G</b> Issues Capital Market Economics	<b>ECON 506</b> Applied Statistical Methods
<b>ECON 410G</b> Seminar in Economics	<b>ECON 508</b> Problem Solving Data Model
<b>ECON 420G</b> Public Finance	<b>ECON 532</b> Topics in Microeconomics
<b>ECON 430G</b> Environ and Resource Economics	<b>ECON 571</b> Public Policy Economics
<b>ECON 434G</b> Economics Poverty & Discrimination	<b>ECON 581</b> Survey of Public Finance
<b>ECON 440G</b> American Industry: Structure, Performance	<b>ECON 582</b> Seminar in Economic History
<b>ECON 460G</b> Business Economic Fluctuation	<b>ECON 583</b> Adv Microeconomic Theory and Policy
<b>ECON 464G</b> Intro to Mathematical Economics	<b>ECON 585</b> Topics in Macroeconomics
<b>ECON 465G</b> Regression and Econometric Analysis	<b>ECON 591</b> International Economics
<b>ECON 475G</b> Urban and Regional Economics	<b>ECON 594</b> Forecasting
<b>ECON 491G</b> History of Economic Thought	<b>ECON 595</b> Labor & Human Resource
<b>ECON 496G</b> International Monetary Economics	<b>ECON 596</b> Applied Economics Project
<b>ECON 501</b> Survey of Economic Theory	<b>ECON 597</b> Practicum in Economics
<b>ECON 502</b> Applied Microeconomic Theory	<b>ECON 598</b> Directed Studies
<b>ECON 503</b> Applied Macroeconomic Theory	<b>ECON 599</b> Thesis/Research Writing (6 hours)
<b>ECON 505</b> Economics for Teachers	<b>ECON 600</b> Maintain Matriculation (1-6 hours)

# *Ogden College Of Science And Engineering*

Blaine Ferrell, Dean

## **Departments**

Agriculture

Architectural & Manufacturing Sciences

Biology

Chemistry

Computer Science

Geography & Geology

Mathematics

Physics & Astronomy

## **Degrees Offered**

### **Master of Science**

Agriculture

Biology

Chemistry (Coal Chemistry, Biochemistry, and Teacher Options)

Computer Science

Geoscience

Homeland Security

Mathematics

Technology Management

### **Master of Arts**

Mathematics

## **Certificate Programs**

Certificate in Geographic Information Science

## ***Department of Agriculture***

Jack Rudolph, Head  
[www.wku.edu/agriculture](http://www.wku.edu/agriculture)  
[agriculture@wku.edu](mailto:agriculture@wku.edu)

Environmental Science & Technology 269  
(270) 745-3151 Office  
(270) 745-5972 Fax

### **Graduate Faculty**

**Professors:** C. Anderson, J. Britt, J. Rudolph  
**Associate Professors:** B. Gilfillen, T. Willian  
**Assistant Professors:** B. Kessell, M. Stone

### **Master of Science in Agriculture, Ref. # 052**

In addition to Graduate Studies admissions requirements, applicants should have an undergraduate major or area of concentration in agriculture or a related science. Non-agriculture undergraduate degree holders may be required to complete pertinent undergraduate courses in agriculture, as prescribed by the departmental graduate committee.

### **Master of Arts in Education Agriculture, major Ref. # 053 or minor Ref. # 001**

This program provides graduate course work in agriculture and meets Kentucky certification requirements. The student majoring in agriculture shall take a minimum of 18 hours in the major area; the student with a minor in agriculture shall take a minimum of 12 hours in agriculture and related areas as designated by the departmental advisor. The remaining hours, in both cases, will be taken in professional education. For additional information regarding the education aspects of this degree, consult the *Master of Arts in Education—Secondary Education* section.



## ***Department of Architectural & Manufacturing Sciences***

Howard Leeper, Head

<http://www.wku.edu/Dept/Academic/Ogden/AMS/>

Environmental Science Technology 204

(270) 745-3251 Office

(270) 745-5946 Fax

### **Graduate Faculty**

**Associate Professor:** D. Jackson, K. Khatir

**Assistant Professor:** G. Arbuckle, A. Doggett, D. Gravitt, S. Lightner

### **Master of Science in Technology Management, Ref. #045**

The Master of Science in Technology 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 who weto manage organization resources, lead technological change, and strategically integrate higher level knowledge within their companies.

The purpose of the Master of Science Technology Management (MSTM) is to develop leaders with skills, knowledge and vision to manage changing business needs for economic and community development that increases international competitiveness.

The program is delivered using a distance education format. All courses can be taken online, promoting time flexibility without the disruption of a professional career. Courses are offered on a bi-term basis (every eight weeks) and have no sequenced prerequisites, allowing students to take courses at their convenience without delaying graduation.

Students may complete the program of student in two years by enrolling in one bi-term course every eight weeks and one course during the summer the summer semester. Students may complete the program in one year with additional courses. Each course is delivered via Blackboard or interactive video.

In addition to Graduate Studies admission requirements, the AMS Department requires prospective students to have documented 4,000 hours of industrial experience in their technical field.

### **Admission Requirements**

1. Bachelor's degree from an accredited college or university (undergraduates may apply one semester prior to graduation).
2. Submission of official transcripts.
3. Meet the admission requirements of the WKU Office of Graduate Studies and Research.
4. Completion of the GRE.
5. Along with University requirements, the AMS Department requires prospective students to have 4,000 documented hours (approximately two years) of industrial experience in their technical field.

## **Degree requirements—33 hours**

### *Required Core—24 hours*

AMS 510 Emerging Technologies  
AMS 520 Resource Management  
AMS 535 Workforce Development  
AMS 590 Operations Leadership  
AMS 630 Legal and Ethical Issues in Technology  
AMS 650 Supply Chain Management  
AMS 655 Project Management  
AMS 671 Quality Management

### *Research Tool—3 hours*

AMS 571 Research Methods in Technology Management

### *Thesis option—6 hours*

AMS 599 Thesis

### *Non-thesis option—6 hours*

AMS 690 Graduate Project

### *Other requirements*

Students will be required to complete an oral defense of their Thesis or Graduate Project and complete a comprehensive written exam of their course work.

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## **Graduate Courses in Architectural & Manufacturing Sciences**

*All courses worth 3 credit hours unless otherwise noted.*

**AMS 505** Architectural Design Studio  
**AMS 510** Emerging Technologies  
**AMS 520** Resource Management  
**AMS 525** Industrial Resource Allocation  
**AMS 530** Automated Data Collection Systems  
**AMS 535** Workforce Development  
**AMS 571** Research Methods in Technology Management  
**AMS 588** Product Development

**AMS 590** Operations Leadership  
**AMS 599** Thesis Research and Writing (6 hours)  
**AMS 600** Maintaining Matriculation (1-6 hours)  
**AMS 630** Legal and Ethical Issues in Technology  
**AMS 650** Supply Chain Management  
**AMS 655** Project Management  
**AMS 671** Quality Management  
**AMS 690** Graduate Project (1-6 hrs)

## ***Department of Biology***

Bruce Schulte, Head  
<http://bioweb.wku.edu>

Thompson Complex-North Wing 201  
(270) 745-3696 Office  
(270) 745-6856 Fax

### **Graduate Faculty**

**Professors:** C. Davis, K. Doerner, B. Ferrell, S. Jacobshagen, D. McElroy, A. Meier, C. Rinehart, S. Sahi, B. Schulte, M. Stokes

**Associate Professors:** L. Alice, S. Grubbs, H. Johnson, R. King, P. Lienesch, T. Philips

**Assistant Professors:** C. Dick, C. Emani, S. Huskey, J. Johnson, J. Marcus, M. Smith, A. Srivastava

**Instructors:** K. McDaniel, N. Sharma

## **Master of Science in Biology, Ref. # 056**

### **Admission Requirements**

In addition to Graduate Studies requirements, admission requires the equivalent of an undergraduate major in biology including supporting courses in science and mathematics. Exceptions are made for students with undergraduate degrees in other areas; however, additional courses may be required.

### **Degree Requirements—30 hours plus Research Tool**

Students must take additional graduate courses on the advice of their graduate committee for a minimum of 30 total hours of course work. Additionally, all students must complete a research tool course as required by the university.

The Plan A degree requires a thesis based upon original research conducted under the direction of a departmental graduate faculty member. A non-thesis degree option (Plan B) may be selected with the advice of the graduate student's committee. The research tool requirement may be satisfied by enrollment in a methodology course in agreement with the student's graduate advisor.

#### *Core Requirements*

BIOL 500 Introduction to Graduate Study and Research in the first year

BIOL 598 Graduate Seminar in the final term of coursework

BIOL 601 Internship in College Instruction

BIOL 599 Thesis Research for thesis students (Plan A)

**OR** BIOL 516 Investigations in Biology for non-thesis students (Plan B)

#### *Electives*

Course-work approved by the thesis committee

#### *Research Tool – 3 hours*

An appropriate course approved by the thesis committee and the Graduate School

**Environmental Science Option Degree Requirements (Thesis)—30 hours plus  
Research Tool**

*Core Requirements – 15 hours*

Interdisciplinary Core Requirements

BIOL 587 Environmental Law

BIOL 543 Environmental Concepts

BIOL 506 Environmental Seminar

BIOL 500 Introduction to Graduate Study and Research

BIOL 598 Graduate Seminar

BIOL 601 Internship in College Instruction

*Electives*

Any 9 hours of graduate course-work approved by the thesis committee

*Thesis – 6 hours*

BIOL 599 Thesis Research

An approved thesis project

*Research Tool – 3 hours*

An appropriate course approved by the thesis committee and the Graduate School

**Master of Arts in Education Biology, major Ref. # 054 or minor Ref. # 003**

This program is designed for the preparation and strengthening of secondary school science teachers. The major requires a minimum of 18 hours of course work in Biology, and the minor requires a minimum of 12 hours in Biology. In both cases, the remainder of the required 30 hours is taken in professional education.

Students who desire a breadth of course work in the sciences may major in the Science Area concentration under the MA in Education program. Students following this option must have all Biology courses approved by the appropriate advisor in the Department of Biology.

## ***Biochemistry***

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Thompson Complex-North Wing 329

(270) 745-8899

[kevin.williams@wku.edu](mailto:kevin.williams@wku.edu)

### **Graduate Faculty**

**Professors:** C. Rinehart

**Associate Professor:** K. Williams, S. Jacobshagen

**Assistant Professor:** R. Dakshinamurthy

Biochemistry is the study of the most intricate of all chemical systems, living matter, and attempts to determine the chemical nature and chemical reactions in protoplasm - the basic material of living matter. Training in biochemistry provides many opportunities in teaching, research, and public service and provides excellent preparation for many other areas of basic and applied sciences.

Biochemistry courses are administered jointly by the Departments of Biology and Chemistry. The student should enroll either in the Department of Biology or the Department of Chemistry, depending upon the major emphasis, as the awarded degree is either a Masters in Biology or Chemistry. Enrollment requires the completion of proper prerequisites in biology and chemistry.

For further information, contact Dr. Williams in the Department of Chemistry or Dr. Jacobshagen in the Department of Biology.

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## Graduate Courses in Biology

*All courses worth 3 credit hours unless otherwise noted.*

*\*Courses for Biochemistry option*

- BIOL 400G** Plant Physiology  
**BIOL 403G** Molecular Basis of Cancer  
**BIOL 404G** Techniques and Theory of Electron Microscopy (4 hours)  
**BIOL 405G** Aquatic Insect Diversity (2 hours)  
**BIOL 407G** Virology  
**\*BIOL 411G** Cell Biology  
**\*BIOL 412G** Cell Biology Laboratory (1 hour)  
**BIOL 415G** Ecological Methods  
**BIOL 430G** Evolution: Theory and Process  
**\*BIOL 446G** Biochemistry  
**\*BIOL 447G** Biochemistry Laboratory (2 hours)  
**BIOL 450G** Recombinant Gene Technology  
**BIOL 456G** Ichthyology (4 hours)  
**BIOL 458G** Fisheries Management (4 hours)  
**BIOL 459G** Mammalogy  
**BIOL 460G** Parasitology (4 hours)  
**BIOL 466G** Animal Behavior  
**\*BIOL 467G** Biochemistry II  
**BIOL 470G** Pathogenic Microbiology (4 hours)  
**BIOL 472G** Applied and Environmental Microbiology (4 hours)  
**BIOL 473G** Interactions in the Cave and Karst Environment  
**BIOL 475G** Selected Topics in Biology (1-3 hours)  
**BIOL 483G** Multivariate Methods in Biology (4 hours)  
**BIOL 485G** Field Biology  
**BIOL 490G** Plants as Alternative Therapeutics  
**BIOL 495G** Molecular Genetics  
**BIOL 496G** Plant Biotechnology (4 hours)  
**BIOL 497G** Aquatic Field Ecology (4 hours)  
**BIOL 500** Introduction to Graduate Studies and Research in Biology  
**BIOL 501** Biological Perspectives (3-4 hours)  
**BIOL 503** Contemporary Research in Biology (1 hour)  
**BIOL 505** Aquatic Insect Ecology (2 hours)  
**BIOL 506** Biology Environmental Seminar (1 hour)  
**BIOL 507** Science Concepts for Elementary Teachers  
**BIOL 515** Advanced Ecology  
**BIOL 516** Investigations in Biology (1- 3 hours)  
**BIOL 518** Population Ecology  
**BIOL 519** Intl Wildlife Management and Policy  
**BIOL 522** Systematics and Evolution (4 hours)  
**BIOL 524** Evolutionary and Ecological Genetics  
**BIOL 526** Physiological Ecology  
**BIOL 530** Animal Behavior (4 hours)  
**BIOL 535** Analytical Biochemistry  
**BIOL 543** Environmental Science Concepts  
**BIOL 550** Introduction to Biological Applications in Homeland Security  
**BIOL 552** Biological Applications in Homeland Security I  
**BIOL 553** Lab: Biological Applications in Homeland Security I  
**BIOL 555** Lab: Biological Applications in Homeland Security II  
**BIOL 560** Advanced Cell Biology  
**\*BIOL 562** Advanced Biochemistry (3 hours)  
**BIOL 566** Advanced Molecular Genetics  
**BIOL 568** Advanced Microbiology (4 hours)  
**BIOL 569** Professional Work/Career Experience in Biology  
**BIOL 570** Advanced Immunology  
**BIOL 577** Advanced Marine Biology  
**BIOL 587** Environmental Law, Regulations and Policy  
**BIOL 589** Internship in Biology  
**BIOL 598** Graduate Seminar (2 hours)  
**BIOL 599** Thesis Research & Writing (1-6 hours)  
**BIOL 600** Maintaining Matriculation (1-6 hours)  
**BIOL 601** Internship in College Instruction (1 hour)  
**BIOL 675** Advanced Topics in Biology (1- 3 hours)

## ***Department of Chemistry***

Cathleen Webb, Head

<http://www.wku.edu/Chemistry/index.html>

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### **Graduate Faculty**

**Professors:** E. Conte, D. Dahl, W. Pan, L. Pesterfield

**Associate Professors:** S. Burris, K. Williams

**Assistant Professors:** R. Dakshinamurthy, J. Maddox, M. Nee, B. Yan, R. Zhang

### **Master of Science in Chemistry, Ref. # 059**

In addition to Graduate Studies admission requirements, candidates for admission to this program must submit evidence of satisfactory completion of undergraduate curricula in chemistry. The Master of Science degree program in Chemistry has been designed around a core curriculum. In addition, a number of elective courses are offered in analytical, inorganic, and physical chemistry and in biochemistry. This program also offers options in Coal Chemistry, Biochemistry, and Teacher education.

### **Degree Requirements—Minimum of 30 hours**

All candidates are required to complete a minimum of 30 semester hours of graduate work, including 24 semester hours of course work and 6 hours of thesis research. Students who have completed 3 core courses at the 500-level with a B average may elect to take CHEM 516 as part of the 24-hour course work requirement.

#### *Required Core—12 hours*

Students must complete 4 out of 5 core area requirements, and at least two of the core courses must be at the 500-level:

CHEM 435G Analytical Chemistry

**OR** CHEM 531 Advanced Analytical Chemistry

CHEM 446G Biochemistry

**OR** CHEM 562 Advanced Biochemistry

CHEM 420G Inorganic Chemistry

**OR** CHEM 520 Advanced Inorganic Chemistry I

CHEM 440G Organic Synthesis

**OR** CHEM 541 Advanced Organic Chemistry II

CHEM 452G Physical Chemistry

**OR** CHEM 550 Advanced Physical Chemistry I

#### *Investigation Course—3 hours*

CHEM 580 Chemical Skills

The student must review the current chemical literature, prepare a written report, and prepare a laboratory research proposal appropriate for an MS degree in chemistry. The student must then present a well-documented plan of laboratory research that could be used to gather the data needed to support hypotheses offered in his/her research proposal. The student must also defend this plan in a formal meeting of his/her MS committee.

*Required Seminar—2 hours*

CHEM 598 Graduate Seminar requirements are to be satisfied according to the current departmental policy.

*Thesis—6 hours*

CHEM 599 requirements are to be satisfied by preparing two comprehensive literature reviews on topics chosen by the three (or more) members of the student's graduate committee. Each of these comprehensive literature reviews should be the equivalent of at least the introduction to an MS thesis. At least one of the reviews must be appropriate for publication in a major journal in one of the six areas of chemistry offered by the department. Both reviews must be written in the style and format (ACS Style Guide) required by the department and University graduate study committees.

The six-hour thesis research requirements (CHEM 599) may be replaced by a cooperative research project (CHEM 596) conducted at a cooperating industrial or governmental laboratory.

*Electives*

Elective course work may be selected from among the core courses or other appropriate chemistry courses.

Coal Chemistry Option Requirements

Core Requirements *plus*

CHEM 490G Materials Chemistry

CHEM 591 Coal Chemistry Laboratory

Biochemistry Option Requirements

Core Requirements *plus*

CHEM 446G Biochemistry

CHEM 447G Biochemistry Laboratory

CHEM 467G Biochemistry II

Teacher Option Requirements

*Course Requirements*

Students must complete at least one course in four of the six areas of chemistry offered by the department and at least two of the four courses must be at the 500-level. The courses which may be used to satisfy this requirement are

CHEM 435G Analytical Chemistry

**OR** CHEM 531 Advanced Analytical Chemistry

CHEM 446G Biochemistry

**OR** CHEM 562 Advanced Biochemistry



CHEM 420G Inorganic Chemistry  
**OR** CHEM 520 Advanced Inorganic Chemistry I  
CHEM 440G Organic Synthesis  
**OR** CHEM 541 Advanced Organic Chemistry II  
CHEM 452G Physical Chemistry  
**OR** CHEM 550 Advanced Physical Chemistry I  
CHEM 446G/447G and CHEM 490G/591

*No more than 12 of the required 30 hours of graduate work in chemistry can be at the 400G-level.*

*Other chemistry courses are as follows*

CHEM 430G Forensic Chemistry  
CHEM 467G Biochemistry II  
CHEM 450G Physical Chemistry I  
CHEM 475G Advanced Topics in Chemistry  
CHEM 516 Investigations in Chemistry (maximum of 3 credit hours)

*Additional Requirements for the Teacher Option*

1. Each student must complete at least 7 courses in the above lists.
2. All students must complete 3 hours of CHEM 580 (which counts for the research tool and does not count toward the 30-hour requirement), 2 hours of CHEM 598, and 6 hours of CHEM 599 or 596.

### **Master of Arts in Education Chemistry, major Ref. #061 or minor Ref. #005**

This program is designed especially for the preparation and strengthening of secondary school science teachers.

For a subject-matter major in chemistry, the MA in Education student must complete 18 hours of course work in chemistry. Students must take either CHEM 516 Investigations in Chemistry (3 hours) or CHEM 580 Chemical Skills as part of the required 18 hours of course work in chemistry. Students who have not previously completed a year of physical chemistry are strongly urged to take CHEM 450G Physical Chemistry I and CHEM 452G Physical Chemistry II.

Students desiring a breadth of course work in the sciences may major in the Science Area concentration. The chemistry courses taken under this option must be approved by the advisor in the science area and by the advisor in secondary education.

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## Graduate Courses in Chemistry

*All courses are worth 3 credit hours unless otherwise noted*

- CHEM 412G** Intro to Physical Chemistry (5 hours)      **CHEM 543** Environmental Science Concepts  
Methodology
- CHEM 420G** Inorganic Chemistry      **CHEM 550** Advanced Physical Chemistry I
- CHEM 425G** Polymer Chemistry (4 hours)      **CHEM 560** Intro to Chemical Agents and Explosives
- CHEM 430G** Forensic Chemistry      **CHEM 562** Advanced Biochemistry
- CHEM 435G** Instrumental Analysis      **CHEM 569** Internship in Chemistry I
- CHEM 440G** Introduction to Synthetic Organic      **CHEM 570** Lecture Demonstration Techniques
- CHEM 446G** Biochemistry      **CHEM 572** Detection/Analysis of Chemical Agents and  
Explosives Lecture
- CHEM 447G** Biochemistry Laboratory (2 hours)      **CHEM 573** Detection/Analysis of Chemical Agents and  
Explosives Laboratory (1 hour)
- CHEM 450G** Physical Chemistry I      **CHEM 580** Chemical Skills
- CHEM 451G** Physical Chemistry Laboratory (2 hours)      **CHEM 581** Spectroscopy
- CHEM 452G** Physical Chemistry II      **CHEM 586** Advanced Materials Chemistry
- CHEM 453G** Physical Chemistry Laboratory (2 hours)      **CHEM 587** Environmental Law, Regulations and Policy
- CHEM 462G** Bio-Inorganic Chemistry      **CHEM 589** Internship in Chemistry II
- CHEM 467G** Biochemistry II      **CHEM 590** Coal Chemistry
- CHEM 470G** Chemistry for the Middle School (4 hours)      **CHEM 591** Coal Chemistry Laboratory
- CHEM 475G** Advanced Topics in Chemistry (1-3 hours)      **CHEM 592** Remediation of Chemical Agents and  
Explosives
- CHEM 476G** Advanced Laboratory Investigations in      **CHEM 593** Remediation of Chemical Agents and  
Chemistry (2 hours)      Explosives Laboratory
- CHEM 490G** Materials Chemistry      **CHEM 596** Cooperative Research I (11 hours)
- CHEM 491G** Materials Chemistry Laboratory      **CHEM 597** Cooperative Research II (11 hours)
- CHEM 500** Fundamentals of Chemistry      **CHEM 598** Graduate Seminar (1 hour)
- CHEM 506** Environmental Seminar      **CHEM 599** Thesis Research and Writing (6 hours)
- CHEM 516** Investigations in Chemistry (1-3 hours)      **CHEM 600** Maintaining Matriculation (1-6 hours)
- CHEM 520** Advanced Inorganic Chemistry I      **CHEM 799** Doctoral Research in Chemistry (1-6 hours)
- CHEM 531** Advanced Analytical Chemistry
- CHEM 540** Organic Reactions
- CHEM 541** Advanced Organic Chemistry II

## ***Department of Geography & Geology***

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### **Graduate Faculty**

**Professors:** S. Foster, C. Groves, D. Keeling, K. Kuehn, M. May

**Associate Professors:** K. Algeo, J. All, R. Mahmood, F. Siewers, A. Wulff, J. Yan

**Assistant Professors:** A. Celestian, J. Durkee, X. Fan, L. Florea, G. Goodrich, M. Gripshover, J. Polk

### **Master of Science in Geoscience, Ref. # 072**

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.

#### **Degree Requirements—minimum of 30 hours**

Both Plan A (Thesis) and Plan B (Project) are available. Required courses for both plans are GEOS 500, 502 or 530, 520 (12 hours total). Plan A requires a minimum of 30 semester hours of graduate credit, including a thesis (6 hours) based upon original research directed by an advisor. Plan B requires a minimum of 30 semester hours of graduate credit, including a research project of publishable quality directed by an advisor.

With approval of the advisory committee, a student may take a maximum of six hours outside the Department. No more than 9 hours of course work can be taken at the 400G-level under either plan. The research tool, under both plans, must be met by demonstrating either

1. Reading proficiency in a foreign language appropriate for the major areas, or
2. Competency in an appropriate research technique.

An appropriate course approved by the thesis director and the Graduate School may be part of the 30-hour program.

*Note: Applicants for the Master of Science in Geoscience must meet the University GAP score requirement for admission.*

#### **Geoscience Thesis Option**

*Required Core—12 hours*

GEOS 500 Geoscience Research and Literacy

GEOS 502 Geoscience Field Research

**OR** GEOS 530 Seminar in Cultural Geography

GEOS 520 Geoscience Statistical Methods

*Electives—12 hours*

Any 12 hours of graduate coursework approved by the thesis director.

*Thesis Research*—6 hours

*Research Tool*—3 hours

An appropriate course approved by the thesis director and the Graduate School that may be part of the 30-hour program.

Geoscience Project Option

*Required Core*—12 hours

GEOS 500 Geoscience Research and Literacy

GEOS 502 Geoscience Field Research

**OR** GEOS 530 Seminar in Cultural Geography

GEOS 520 Geoscience Statistical Methods

*Electives*—12 hours

Any 12 hours of graduate coursework approved by the program director.

*Graduate Project*—6 hours

A research paper of publishable quality approved by the program director.

*Research Tool*—3 hours

An appropriate course approved by the program director and the Graduate School that may be part of the 30-hour program.

Environmental Science Thesis Option

*Required Core*—17 hours

GEOS 506 Geoscience Environmental Seminar

GEOS 543 Environmental Science Concepts

GEOS 587 Environmental Law, Regulations and Policy

GEOS 500 Geoscience Research and Literacy

GEOS 520 Geoscience Statistical Methods

*Electives*—7 hours

Any 7 hours of graduate coursework approved by the thesis director.

*Thesis Research*—6 hours

*Research Tool*—3 hours

An appropriate course approved by the thesis director and the Graduate School that may be part of the 30-hour program.

### Environmental Science Project Option

#### *Required Core—17 hours*

GEOS 506 Geoscience Environmental Seminar  
GEOS 543 Environmental Science Concepts  
GEOS 587 Environmental Law, Regulations and Policy  
GEOS 500 Geoscience Research and Literacy  
GEOS 520 Geoscience Statistical Methods

#### *Electives—13 hours*

Any 7 hours of graduate coursework approved by the program director.

#### *Graduate Project Research—6 hours*

A research paper of publishable quality approved by the program director.

#### *Research Tool—3 hours*

An appropriate course approved by the program director and the Graduate School that may be part of the 30-hour program.

### **Master of Arts in Education Geography, major Ref.# 133 or minor Ref. #011**

Students in this program must meet all the requirements for high school professional certification. The major requires a minimum of 18 hours (see advisor for course selection) with GEOS 500 required. The minor requires a minimum of 12 hours with GEOS 500 required. The remaining hours (within the required 30) are taken in professional education. A detailed listing of all courses, requirements, and program specialties can be found online at:

<http://www.wku.edu/geoweb/gradcrse/gradprogram.htm>.

### **Certificate in Geographic Information Science, Ref. #203**

Geographic Information Science (GIS) technology is widely used in business, industry, government, and education. This certificate is designed for students in a variety of disciplines that involve spatial analysis, mapping, and interpretation of geospatial data. Students who complete the program will have a solid GIS foundation that spans the collection, management, analysis, interpretation, and display of geospatial data using geographic information systems. Students gain practical experience by completing projects that require the use of sophisticated GIS functions. Finally, they learn how to develop and implement customized GIS applications.

#### **Certificate Requirements—minimum of 12 hours**

The Certificate is offered by the Department of Geography & Geology. It consists of a series of four graduate courses taken for a minimum of 12 credit hours. At least four different courses must be taken for the Certificate.

#### *Courses selected from:*

GEOG 417G GIS Analysis and Modeling  
GEOG 419G GIS Applications Development  
GEOS 515 Remote Sensing Applications

GEOS 517 Remote Sensing Applications  
GEOS 520 Geoscience Statistical Methods  
GEOS 577 Special Topics in GIS  
GEOS 590 Experimental Design  
GEOS 595 Geoscience Practicum

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### Graduate Courses in Geography

*All courses worth 3 credits unless otherwise noted.*

<b>GEOG 416G</b> Remote Sensing: Principles and Applications	<b>GEOS 517</b> Spatial Databases
<b>GEOG 417G</b> GIS Analysis and Modeling	<b>GEOS 520</b> Geoscience Statistical Methods (4 hrs)
<b>GEOG 419G</b> GIS Applications Development	<b>GEOS 521</b> Seminar in Geomorphology
<b>GEOG 423G</b> Transport, Location, And GIS	<b>GEOS 522</b> Seminar in Physical Climatology
<b>GEOG 424G</b> Weather Analysis and Forecasting	<b>GEOS 523</b> Urban GIS Applications (4 hours)
<b>GEOG 426G</b> Applied Meteorology/Climatology	<b>GEOS 524</b> Meteorology for Science Teachers
<b>GEOG 427G</b> Water Resources	<b>GEOS 525</b> Seminar in Political Geography
<b>GEOG 428G</b> Applied Groundwater Hydrology	<b>GEOS 530</b> Seminar in Cultural Geography (4 hrs)
<b>GEOG 430G</b> Cultural Geography	<b>GEOS 533</b> Seminar in Synoptic Meteorology
<b>GEOG 431G</b> Dynamic Meteorology	<b>GEOS 534</b> Historic Preservation Planning: Application
<b>GEOG 434G</b> Historic Preservation Planning: Principles and Practices	<b>GEOS 535</b> Seminar in Dynamic Meteorology II
<b>GEOG 451G</b> Geography of Kentucky	<b>GEOS 537</b> Seminar in Mesoscale Meteorology
<b>GEOG 454G</b> Geography of Middle America	<b>GEOS 538</b> Seminar in Physical Meteorology
<b>GEOG 462G</b> Geography of South America	<b>GEOS 540</b> Advanced Regional Geography
<b>GEOG 464G</b> Geography of Europe	<b>GEOS 543</b> Environmental Science Concepts
<b>GEOG 465G</b> Geography of Asia	<b>GEOS 544</b> Practical Environmental Ethics
<b>GEOG 466G</b> Geography of Africa	<b>GEOS 550</b> Seminar in Economic Geography
<b>GEOG 467G</b> Geography of the Middle East	<b>GEOS 555</b> Global Environmental Change
<b>GEOG 473G</b> Interactions in the Cave and Karst	<b>GEOS 571</b> Quality of Life: Environmental Problems and Ecological Solutions
<b>GEOG 474G</b> Environmental Planning	<b>GEOS 577</b> Special Topics in GIS
<b>GEOG 479G</b> Industrial and Commercial Geography	<b>GEOS 580</b> Seminar in Urban Geography
<b>GEOG 484G</b> Planning: Theory and Application	<b>GEOS 584</b> Advanced Planning
<b>GEOG 488G</b> Rural Planning	<b>GEOS 585</b> Advanced Studies in Population Geography
<b>GEOS 500</b> Geoscience Research and Literacy (4 hours)	<b>GEOS 587</b> Environmental Law, Regulations and Policy
<b>GEOS 501</b> Geoscience and Development	<b>GEOS 590</b> Experimental Design
<b>GEOS 502</b> Geoscience Field Research (4 hours)	<b>GEOS 595</b> Geoscience Practicum
<b>GEOS 505</b> Biogeography	<b>GEOS 599</b> Thesis Writing and Research (6 hours)
<b>GEOS 506</b> Geoscience Environmental Seminar	<b>GEOS 600</b> Maintaining Matriculation
<b>GEOS 507</b> Geographic Concepts and Skills for Teachers	
<b>GEOS 510</b> Geoscience Research Topics	
<b>GEOS 515</b> Remote Sensing Applications (4 hours)	
<b>GEOS 515</b> Remote Sensing Applications (4 hours)	

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### Graduate Courses in Geology

*All courses worth 3 credits unless otherwise noted.*

*\*This graduate course is specially designed for teachers of natural and earth science.*

<b>GEOL 405G</b> Paleontology	<b>GEOL 470G</b> Tectonics
<b>GEOL 415G</b> Environmental Geology	<b>GEOL 475G</b> Special Topics in Geology
<b>GEOL 420G</b> Geomorphology	<b>GEOL 480G</b> Coal Geology
<b>GEOL 440G</b> Hydrogeology	<b>GEOL 485G</b> Geology of Fossil Fuels
<b>GEOL 445G</b> Aqueous Geochemistry	<b>GEOL 490G</b> Petroleum Geology
<b>GEOL 460G</b> Sedimentation and Stratigraphy	<b>*GEOL 511</b> The Dynamic Earth
<b>GEOL 465G</b> Geophysics	

## ***Department of Mathematics and Computer Science***

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### **Graduate Faculty**

**Professors:** M. Atici, D. Erbach, C. Ernst, P. Hamburger, N. Iraniparast, W. Kessler, D. Neal, T. Richmond, M. Robinson, J. Spraker, W. Weidemann, U. Ziegler

**Associate Professors:** F. Atici, J. Gary, D. Lanphier, V. Moody, T. Nguyen, Z. Xia, G. Xing

**Assistant Professors:** M. Autin, S. Bateiha, T. Bhattacharya, B. Csaba, M. Dunkum, A. Emam, J. Gishe, M. Khenner, Q. Li, H. Marchionda, S. Munasinghe, N. Nguyen, A. Por, J. Quiton, R. Schugart, H. Wang, D. Wu, R. Yang

### ***Division of Mathematics***

<http://www.wku.edu/Mathematics/>

The Division 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 two options available. The M.S. (general option) 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 option) 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.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.

## **Master of Science in Mathematics General Option, Ref. # 085**

### **Admission Requirements**

Admission requirements for the M.S. in Mathematics General Option include:

1. A GAP score of 3000 ((GRE Verbal + GRE Quantitative) x Undergraduate GPA).
2. Successful 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.
3. A cumulative grade point average of 3.0 (on a 4.0 scale) is required in at least one of the following: (i) all mathematics courses that are applicable to the undergraduate mathematics major; or (ii) courses specified in (b) through (e) of Item 2 above.

Admission may be granted to a student having at most one deficiency in the undergraduate courses listed in Item 2 above.

### **Degree Requirements—minimum of 30 hours**

The Master of Science in Mathematics (General Option) requires a minimum of 30 hours of graduate-level mathematics courses. *A maximum of 12 hours at the 400G level may be included in the entire program.*

A research tool is required and may entail coursework beyond the 30 hours of mathematics. The research tool must be completed during the first 15 hours of coursework and may be fulfilled by a mathematics reading course, a computer science course, a foreign language examination, or another option approved by a Mathematics Division graduate advisor.

In addition, all students in the M.S. program (general option) must have a working knowledge of a high-level programming language or computer algebra system.

A student may, upon prior approval of the Mathematics Division Graduate Committee, include in his/her program a maximum of 6 hours of coursework from a related field.

Comprehensive exams are required.

#### *Required Core*

The following courses must be completed:

1. MATH 417G Algebraic Systems\*  
MATH 431G Intermediate Analysis I\*  
MATH 439G Topology I\*
2. One of the following applied mathematics courses:  
MATH 529 Applied Probability  
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 550 Complex Analysis  
MATH 570 Topics in Operations Research  
STAT 549 Statistical Methods I  
Another course as approved by the Mathematics Division Graduate Committee.
3. MATH 532 Real Analysis
4. One of the following two-course sequences:  
MATH 417G Algebraic Systems  
AND MATH 517 Topics from Algebra  
MATH 439G Topology I  
AND MATH 539 Topology II  
MATH 450G Complex Variables  
AND MATH 550 Complex Analysis  
MATH 435G Partial Differential Equations  
AND MATH 535 Advanced Applied Mathematics I  
MATH 470G Introduction to Operations Research



**AND** MATH 570 Topics in Operations Research  
 MATH 529 Applied Probability  
**AND** MATH 540 Stochastic Processes  
 MATH 435G Partial Differential Equations  
**AND** MATH 531 Advanced Differential Equations  
 MATH 535 Advanced Applied Mathematics I  
**AND** MATH 536 Advanced Applied Mathematics II  
 MATH 405G Numerical Analysis I  
**AND** MATH 406G<sup>^</sup> Numerical Analysis II

*\*If equivalent courses were taken at the undergraduate level, then the student must substitute appropriate graduate mathematics courses selected in consultation with a Mathematics Division graduate advisor.*

*^Sequence can be taken by students who have substituted a 500-level course for at least one of the three courses listed in (1).*

### *Electives*

The remaining mathematics courses in the student's program must be chosen from:

MATH 405G Numerical Analysis I	MATH 531 Adv. Differential Equations
MATH 406G Numerical Analysis II	MATH 535 Adv. Applied Mathematics I
MATH 415G Algebra and Number Theory	MATH 536 Adv. Applied Mathematics II
MATH 423G Geometry II	MATH 539 Topology II
MATH 435G Partial Differential Equations	MATH 540 Stochastic Processes
MATH 450G Complex Variables	MATH 541 Graph Theory
MATH 470G Intro. to Operations Research	MATH 542 Adv. Topics in Discrete Mathematics
MATH 504 Computer Applications to Problems in Mathematics	MATH 550 Complex Analysis
MATH 517 Topics from Algebra	MATH 560 Functional Analysis
MATH 523 Topics from Geometry	MATH 570 Topics in Operations Research
MATH 529 Applied Probability	MATH 590 Special Topics in Mathematics
	STAT 549 Statistical Methods I

### *Research Tool*

#### *Optional Thesis—6 hours*

Students who choose to write a thesis are required to complete 6 hours of MATH 599 Thesis Research and Writing and to give an oral defense of the thesis.

## **Master of Science in Mathematics Computational Mathematics Option, Ref. # 085**

### **Admission Requirements**

1. A GAP score of 3000.
2. Completion of the following undergraduate courses: (a) a one year calculus sequence; (b) linear algebra; (c) discrete mathematics; (d) a one year sequence of programming courses; (e) a 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: (i) all mathematics and computer science courses that are listed in (a) through (d) of Item 2 above; or (ii) 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.

### **Degree Requirements—minimum of 30 hours**

The Master of Science in Mathematics (Computational Mathematics Option) requires a minimum of 30 hours of graduate-level mathematics and computer science courses. *A maximum of 12 hours at the 400G level may be included in the entire program.* All students in the M.S. program (computational mathematics option) must have a working knowledge of a high-level programming language. The CS classes required in this option do not allow for additional courses in a related field.

Comprehensive exams are required.

#### *Required Core—21 hours*

1. MATH/CS 405G Numerical Analysis I\*
2. MATH 470G Introduction to Operations Research\*
3. CS 549 Algorithms Analysis\*
4. STAT 549 Statistical Methods I
5. MATH 406G Numerical Analysis II
6. At least two courses from the list below:
  - CS 562 Parallel and Distributed Computing
  - CS 565 Data Mining Techniques and Tools
  - CS 595 Advanced Topics in Computer Science (with advisor approval)

*\*If equivalent courses were taken at the undergraduate level, then the student must substitute appropriate graduate mathematics courses selected in consultation with a Mathematics Division graduate advisor.*

#### *Electives*

- MATH 431G Intermediate Analysis I
- MATH 541 Graph Theory
- MATH 570 Topics in Operations Research
- MATH 504 Computer Applications to Problems in Mathematics
- MATH 540 Stochastic Processes
- MATH 542 Advanced Topics in Discrete Mathematics
- MATH 590 Special Topics in Mathematics (with advisor approval)

#### *Research Tool*

This requirement is satisfied by the computer science classes.

#### *Optional Thesis—6 hours*

Students who choose to write a thesis are required to complete 6 hours of MATH 599 Thesis Research and Writing and to give an oral defense of the thesis.

## Master of Arts in Mathematics, Ref. # 049

This program is intended for students who already hold secondary teacher certification and are seeking Rank II teaching status through attainment of a master's degree.

### Admission Requirements

1. A GAP score of 3000 ((GRE Verbal + GRE Quantitative) x Undergraduate GPA).
2. Either a
  - a. bachelor's degree in mathematics **OR**
  - b. completion of the following undergraduate courses: (a) a calculus sequence through multivariable calculus; (b) linear algebra; (c) discrete mathematics; (d) probability or calculus-based statistics; (e) abstract algebra; (f) geometry. Applicants without a bachelor's degree in mathematics may be admitted with at most one deficiency in the undergraduate courses listed above.

### Degree Requirements—minimum of 30 hours

The Master of Arts in Mathematics requires a minimum of 30 hours of graduate-level courses. A maximum of 9 hours at the 400G level may be included in the entire program.

Comprehensive exams are required.

#### *Required Core—24 hours*

Mathematics Courses (four of the following):

MATH 501 Introduction to Probability and Statistics I

MATH 503 Introduction to Analysis

MATH 511 Secondary Mathematics from an Advanced Perspective I

MATH 512 Secondary Mathematics from an Advanced Perspective II

**OR** MATH 423G Geometry II

**OR** MATH 523 Topics from Geometry

MATH 514 Applications and Modeling for Secondary Teachers

Education Courses

PSY 510 Advanced Educational Psychology

**OR** PSY 511 Psychology of Learning

SEC 580 The Curriculum

EDU 544 Classroom Teaching Strategies

SEC 534 Seminar in Mathematics Education

#### *Elective Courses—6 hours*

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 429G Probability and Statistics II

MATH 431G Intermediate Analysis I

MATH 432G Intermediate Analysis II

MATH 435G Partial Differential Equations

MATH 439G Topology I

MATH 450G Complex Variables

MATH 470G Intro. to Operations Research

MATH 475G Selected Topics in Mathematics

MATH 500 Readings in Mathematics

MATH 501 Introduction to Probability & Statistics I

MATH 503 Introduction to Analysis

MATH 504 Computer Apps to Prob in Mathematics

MATH 509 History of Modern Mathematics

MATH 511 Secondary Math Adv Perspective I

MATH 512 Secondary Math Adv Perspective II

MATH 514 Applications and Modeling for Secondary Teachers

MATH 517 Topics from Algebra

MATH 523 Topics from Geometry  
MATH 531 Adv. Differential Equations  
MATH 532 Real Analysis  
MATH 535 Adv. Applied Mathematics I  
MATH 536 Adv. Applied Mathematics II  
MATH 539 Topology II  
MATH 540 Stochastic Processes  
MATH 541 Graph Theory

MATH 542 Adv. Topics in Discrete Mathematics  
MATH 550 Complex Analysis  
MATH 560 Functional Analysis  
MATH 570 Topics in Operations Research  
MATH 590 Special Topics in Mathematics  
MATH 599 Thesis Research and Writing  
STAT 549 Statistical Methods I

*Optional Thesis—6 hours*

Students who chose to write a thesis are required to complete 6 hours of MATH 599 Thesis Research and Writing and to give an oral defense of the thesis.

Each student seeking Rank II or Rank I teaching status must develop and submit a professional portfolio to demonstrate mastery of the Kentucky Experienced Teacher Standards.

## ***Division of Computer Science***

<http://cs.wku.edu>

### **Master of Science in Computer Science, Ref. # 117**

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.

#### **Admission requirements**

Admission requirements include a minimum 2.9/4.0 undergraduate grade point average and a minimum GAP score of 2200. 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.

#### **Degree Requirements—30 hours plus Research Tool**

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 Research Methods and Projects.

##### *Required Core – 15hours*

- CS 445G Operating Systems II
- CS 530 Automata Theory and Compiler Construction
- CS 543 Advanced Database Systems
- CS 549 Analysis of Algorithms
- CS 560 Software Engineering and Project Management

##### *Approved Electives – 15 hours*

Five elective computer science courses approved by graduate advisor

##### *Research Tool – 3 hours*

CS 500 Research Methods and Projects

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### Graduate Courses in Computer Science

*All courses worth 3 credit hours unless otherwise noted.*

<b>CS 405G</b> Numerical Analysis I	<b>CS 541</b> Mathematical Foundations of Computer Science
<b>CS 406G</b> Numerical Analysis II	<b>CS 543</b> Advanced Database Systems
<b>CS 442G</b> Data Structures and Algorithm Analysis	<b>CS 544</b> Compiler Theory and Design
<b>CS 443G</b> Data Base Management Systems	<b>CS 545</b> Systems Programming
<b>CS 444G</b> Programming Languages	<b>CS 549</b> Analysis of Algorithms
<b>CS 445G</b> Operating Systems II	<b>CS 550</b> Advanced Computer Networks
<b>CS 446G</b> Interactive Computer Graphics	<b>CS 560</b> Software Engineering and Project Management
<b>CS 450G</b> Computer Networks	<b>CS 562</b> Parallel and Distributed Comp
<b>CS 456G</b> Artificial Intelligence	<b>CS 565</b> Data Mining
<b>CS 460G</b> Software Engineering II	<b>CS 567</b> Micro-computing Operating Systems
<b>CS 475G</b> Selected Topics in Computer Science (1-3 hours, up to 6 hours)	<b>CS 595</b> Advanced Topics in Computer Science (1-3 hours, up to 6 hours)
<b>CS 500</b> Research Methods and Projects in Computer Science	<b>CS 599</b> Thesis Research and Writing (6 hours)
<b>CS 530</b> Automata Theory and Compiler Construction	<b>CS 600</b> Maintaining Matriculation (1-6 hours)

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### Graduate Courses in Mathematics

*All courses worth 3 credits unless otherwise noted.*

<b>MATH 403G</b> Geometry Elem & Mid School Teachers	Grades Teachers
<b>MATH 405G</b> Numerical Analysis I	<b>MATH 509</b> History of Modern Mathematics
<b>MATH 406G</b> Numerical Analysis II	<b>MATH 511</b> Secondary Mathematics from an Advanced Perspective I
<b>MATH 409G</b> History of Mathematics	<b>MATH 512</b> Secondary Mathematics from an Advanced Perspective II
<b>MATH 411G</b> Prob Solving for Elem & Mid Teacher	<b>MATH 514</b> Applications and Modeling for Secondary Teachers
<b>MATH 413G</b> Algebra & Tech Mid Grades Teachers	<b>MATH 517</b> Topics from Algebra
<b>MATH 415G</b> Algebra and Number Theory	<b>MATH 523</b> Topics from Geometry
<b>MATH 417G</b> Algebraic Systems	<b>MATH 529</b> Applied Probability
<b>MATH 421G</b> Prob Solving for Secondary Teachers	<b>MATH 531</b> Advanced Differential Equations
<b>MATH 423G</b> Geometry II	<b>MATH 532</b> Real Analysis
<b>MATH 429G</b> Probability and Statistics II	<b>MATH 535</b> Advanced Applied Mathematics I
<b>MATH 431G</b> Intermediate Analysis I	<b>MATH 536</b> Advanced Applied Mathematics II
<b>MATH 432G</b> Intermediate Analysis II	<b>MATH 539</b> Topology II
<b>MATH 435G</b> Partial Differential Equations	<b>MATH 540</b> Stochastic Processes
<b>MATH 439G</b> Topology I	<b>MATH 541</b> Graph Theory
<b>MATH 450G</b> Complex Variables	<b>MATH 542</b> Adv. Topics in Discrete Mathematics
<b>MATH 470G</b> Introduction to Operations Research	<b>MATH 550</b> Complex Analysis
<b>MATH 475G</b> Selected Topics in Math (1-3 hours)	<b>MATH 560</b> Functional Analysis
<b>MATH 500</b> Readings in Mathematics (1-3 hours)	<b>MATH 570</b> Topics in Operations Research
<b>MATH 501</b> Introduction to Probability & Statistics I	<b>MATH 590</b> Special Topics in Mathematics
<b>MATH 502</b> Introduction to Probability & Statistics II	<b>MATH 599</b> Thesis Research and Writing (6 hours)
<b>MATH 503</b> Introduction to Analysis	<b>MATH 600</b> Maintaining Matriculation (1-6 hours)
<b>MATH 504</b> Comp Apps to Problems in Mathematics	
<b>MATH 507</b> Math Concepts for Elem Teachers	
<b>MATH 508</b> Number Concepts for Elem & Middle	

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### Graduate Courses in Statistics

*All courses worth 3 credits unless otherwise noted.*

**STAT 549** Statistical Methods I

## ***Department of Physics & Astronomy***

Keith Andrew, Head  
<http://physics.wku.edu/>

Thompson Complex-Central Wing 246  
(270) 745-4357 Office  
(270) 745-2014 Fax

### **Graduate Faculty**

**Professors:** K. Andrew, M. Carini, R. Gelderman, R. Scott, W. Vandermeer, P. Womble

**Associate Professor:** A. Barzilov, S. Bonham

**Assistant Professor:** V. Dobrokhotoy, I. Novikov

### **Master of Science in Homeland Security Sciences, Ref. #0413**

This multi-disciplinary program prepares science 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. The Physical Threats area involves the study of applications of physics, biology and chemistry to detect, quantify, prevent and decontaminate radiological, nuclear, biological, explosive and chemical threats. The Cyber Defense area involves the study of prevention, detection, and remediation of attacks on information systems. In addition to the University Graduate Studies requirements, admission to the program requires a Bachelors degree in Biology, Chemistry, or Physics.

#### **Degree Requirements—Minimum of 30 hours**

The program requires a minimum of 30 hours. The curriculum consists of a 25 credit hour core, divided into three levels; with 6 hours of electives.

##### *Level One Required Core—7 hours*

PHYS 506 Overview of Homeland Security

6 hours are required from the following courses:

PHYS 560

BIO 550

CHEM 560

##### *Level Two Required Core—8 hours*

8 credit hours required, including two of the following 4-hour courses:

PHYS 570/571 Nuclear Detection (Lecture and Lab)

CHEM 572/573 Chemical Detection

BIOL 552/553 Biological Applications in Homeland Security I (Lecture and Lab)

##### *Level Three Required Core—10 hours*

Six hours for thesis writing and research

At least one four-credit hour course from the following list:

PHYS 590/591 Physics of CBE Detection (Lecture and Lab)

CHEM 592/593 Remediation of Chemical Agents (Lecture and Lab)

EHS 572 Environmental and Occupational Epidemiology

BIOL 555 Biological Applications in Homeland Security II

*Elective Courses—6 hours*

Additional courses from Level 2 or 3 and courses provided by other Departments: Engineering, Languages, Political Science, Health, History, Management, or established 500-level courses from the Departments of Physics and Astronomy, Biology, and Chemistry.

Students are strongly encouraged to utilize elective courses from other Kentucky colleges and universities such as graduate courses from Eastern Kentucky University's Safety, Security & Emergency Management program such as:

HLS 800 - Homeland Security Policy Analysis (3 credit hours)

HLS 810 - Critical Infrastructure Protection (3 credit hours)

HLS 820 - Intelligence for Homeland Security (3 credit hours)

HLS 830 - Hazards and Threats to Homeland Security (3 credit hours)

Any course, other than these ECU courses, must receive approval from the graduate director of the program before being considered as an elective.

**Master of Arts in Education Physics, minor Ref. # 024**

The department offers a Physics minor in the Master of Arts in Education. The 12-hour minor may include physics and astronomy courses to familiarize the teacher with modern instructional developments and to strengthen the academic background. The remainder of the 30-hour degree program will be taken in professional education.



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**Graduate Courses in Astronomy**

*All courses worth 3 credits unless otherwise noted.*

**ASTR 405G** Astronomy for Teachers

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**Graduate Courses in Physics**

*All courses worth 3 credits unless otherwise noted.*

**PHYS 402G** Laboratory for Application of Modern Physics I (1 hour)  
**PHYS 403G** Laboratory for Application of Modern Physics II (1 hour)  
**PHYS 404G** Optics Laboratory (1 hour)  
**PHYS 410G** Physics for Teachers  
**PHYS 420G** Applications of Modern Physics I  
**PHYS 430G** Applications of Modern Physics II  
**PHYS 431G** Radiation Biophysics (4 hours)  
**PHYS 440G** Electromagnetism I  
**PHYS 441G** Optics  
**PHYS 445G** Electromagnetism II  
**PHYS 450G** Classical Mechanics II  
**PHYS 465G** Geophysics  
**PHYS 475G** Topics/Physics  
**PHYS 480G** Quantum Mechanics  
**PHYS 501** Classical Developments in Physics  
**PHYS 502** Modern Developments in Physics  
**PHYS 503** Physics Demonstrations and Laboratory Exercises  
**PHYS 505** Investigations in Physics  
**PHYS 506** Overview of Homeland Security (1 hour)  
**PHYS 510** Methods in Math Physics  
**PHYS 511** Quantitative Modeling for Physics

Instruction I: Mechanics (6 hours)  
**PHYS 512** Quantitative Modeling for Physics  
Instruction II: Electromagnetism (6 hours)  
**PHYS 516** Classroom Physics Teaching: Theory and Practice  
**PHYS 518** Classroom Applications of Physics and Science Education Research  
**PHYS 519** Physical Science Education Research  
**PHYS 520** Atomic and Molecular  
**PHYS 530** Statistical Physics  
**PHYS 540** Electromagnetic Theory  
**PHYS 550** Classical Mechanics  
**PHYS 560** Physics in Homeland Security  
**PHYS 570** Nuclear Detection  
**PHYS 571** Nuclear Detection Laboratory I  
**PHYS 590** Physics of CBE Detection  
**PHYS 591** CBE Physics Lab  
**PHYS 598** Graduate Seminar (0.5 hours)  
**PHYS 599** Thesis Research/Writing (1-6 hours)  
**PHYS 600** Maintaining Matriculation (1-6 hours)  
**PHYS 660** Theory of Solids  
**PHYS 670** Theoretical Nuclear Physics  
**PHYS 675** Advanced Topics in Physics

# *Potter College of Arts and Letters*

David Lee, Dean

## **Departments**

Art

Communication

English

Folk Studies & Anthropology

History

Journalism & Broadcasting\*

Modern Languages

Music

Philosophy and Religion\*

Political Science

Sociology

## **Degrees Offered**

### **Master of Arts**

Communication

Criminology

English

Folk Studies

History

Sociology

### **Master of Arts in Education**

Art Education

Music Education

### **Master of Public Administration**

### **Certificate Programs**

Organizational Communication

\*These departments do not offer degree programs; however, they do offer course work as content area to other programs.

## ***Department of Art***

Brent Oglesbee, Head  
<http://www.wku.edu/art.html>

Ivan Wilson Fine Arts Center 441  
(270) 745-3944 Office  
(270) 745-5932 FAX

### **Graduate Faculty**

**Professors:** L. Notheisen, J. Oakes, B. Oglesbee, A. Shindhelm  
**Associate Professors:** M. Choe, Y. Petkus  
**Assistant Professors:** I. Cartwright, G. Jordan, M. Nichols

### **Master of Arts in Education Art, major Ref. #055 or minor Ref. #002**

Applicants must meet Graduate Studies requirements for admission. They are also expected to present to the Department of Art a portfolio of their work for departmental review. The program requires a minimum of 30 to 33 semester hours. For all art majors/minors, a terminal project and/or comprehensive written examination must be satisfactorily completed.

### **Art Major Requirements**

*Studio & Art Education courses – 18 hours*

This includes one advisor-approved education specific assessment/research course.

*Secondary Education courses – 12 hours*

Please refer to the Department of Curriculum & Instruction for information on secondary education requirements.

### **Art Minor Requirements**

*Studio & Art Education courses – 12 hours*

This includes one advisor-approved art education specific assessment/research course.

*Secondary Education courses – 18 hours*

Please refer to the Department of Curriculum & Instruction for information on secondary education requirements.

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### **Graduate Courses in Art**

*All courses worth 3 credits unless otherwise noted.*

- ART 401G** Art in the Italian Renaissance  
**ART 405G** Art Theory and Criticism  
**ART 411G** Foundations of Art Education & Methods II  
**ART 413G** Foundations of Art Education & Methods III  
**ART 420G** Ceramics  
**ART 421G** Ceramics  
**ART 422G** Ceramics  
**ART 440G** Drawing  
**ART 450G** Printmaking  
**ART 451G** Printmaking  
**ART 452G** Printmaking  
**ART 460G** Painting  
**ART 461G** Painting  
**ART 462G** Painting  
**ART 470G** Sculpture  
**ART 471G** Sculpture  
**ART 472G** Sculpture  
**ART 480G** Weaving  
**ART 481G** Weaving  
**ART 482G** Weaving  
**ART 490G** Special Problems (3-6 hours)  
**ART 491G** Special Studies  
**ART 496G** Studio Art Topic  
(May be repeated for a total of 6 hours)  
**ART 500** Early Medieval Art  
**ART 501** Romanesque and Gothic Art  
**ART 511** Investigations in Art Education  
(May be repeated once with a different topic)  
**ART 512** Investigations in Art Education  
**ART 520** Ceramic Art (3-9 hours)  
**ART 540** Drawing (3-9 hours)  
**ART 550** Printmaking (3-9 hours)  
**ART 560** Painting (3-9 hours)  
**ART 570** Sculpture (3-9 hours)  
**ART 580** Weaving (3-9 hours)  
**ART 590** Workshop in Arts and Humanities Education  
**ART 591** Investigations in Art History  
**ART 599** Thesis Research and Writing (6 hours)  
**ART 600** Maintaining Matriculation (1-6 hours)

## ***Department of Communication***

Larry Snyder, Interim Head  
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[comm.ma@wku.edu](mailto:comm.ma@wku.edu)

### **Graduate Faculty**

**Associate Professors:** H. Payne, S. Ray

**Assistant Professors:** A. Jerome, K. Ishii, J. Smith, B. Thompson

### ***Master of Arts in Communication, Ref. # 109***

This degree provides a distinctive experience in applied organizational communication. The program features course work in traditional areas of organizational, interpersonal, small group, persuasive and intercultural communication. The program prepares students for a variety of careers and pursuits in which advanced communication study is helpful, especially management and personnel relations in profit and non-profit organizations. The degree also helps prepare students for further graduate study and college teaching. We offer weeknight, weekend, and some on-line courses. These alternatives meet the needs of students who wish to pursue a master's degree while continuing in their careers.

### **Admission Requirements**

The department recognizes as admissible to our program those applicants eligible for admission to the Graduate College who also have an undergraduate degree that would benefit from study of communication theory and research (business, public relations, sociology, psychology, teaching, etc.). The University requires that the applicant's GRE (verbal plus quantitative) score times the undergraduate GPA must equal a minimum of 2200 points, along with an analytical writing score of 3.5 or better. The GRE is required before admission to graduate school. A student can be accepted conditionally into the graduate program pending the outcome of his/her GRE score; however, the student cannot continue beyond one semester until the score requirements are met.

### **Degree requirements—33 hours**

The MA in Communication requires a total of 33 hours above the bachelor's degree. Students are required to take COMM 502 Survey Research Methods in Communication and COMM 503 Foundations of Communication Concepts, and either COMM 501 Qualitative Methods of Communication Research or COMM 504 Ethnographic Methods of Communication Research.

Students may choose to write a thesis for six hours of credit, or to complete a non-thesis option. They may, with advisor's prior approval, take up to six hours in another discipline or transfer up to six hours from another university. All transfer credits must be approved by the Department Head or Department Graduate Director. As a general policy, the Department of Communication does not accept the transfer of research methods courses to fulfill the research methods requirements. Students must maintain a grade point average of 3.0 or better. The department requires that students complete a capstone experience (including an oral

presentation), which demonstrates competencies in various areas of communication. The program is a total of 33 hours.

*Required Core – 9 hours*

COMM 502 Survey Research Methods in Communication

COMM 503 Foundations of Communication Concepts

COMM 501 Qualitative Methods of Communication Research

**OR** COMM 504 Ethnographic Methods of Communication Research

*Electives – 18 hours*

Selected with approval by advisor

*Capstone – 6 hours*

Thesis Option: COMM 599 Thesis Research/Writing

Capstone Project Option: Student takes an additional 6 credit hours of course work and then completes a Capstone Project consisting of a paper and presentation.

## **Certificate in Organizational Communication, Ref. # 175**

The Certificate in Organizational Communication is designed for managers and supervisors who wish to enhance their skills in the areas of organizational communication but do not see a current need for an advanced degree. Students will take graduate courses that focus on general organizational communication theory, the communication strategies useful in multinational businesses, either interpersonal or small group communication theoretical applications, and one other course chosen by participants as especially relevant to their own work and interests. Students' applied projects may be designed to address specific real-life communication problems in their own organizations.

### **Admission Requirements**

A person seeking the Certificate in Organizational Communication must satisfy the Graduate Studies admission requirements and must provide to the Department of Communication a letter of application and one letter of recommendation supporting the applicant's capacity for studying organizational communication.

### **Certificate Requirements—12 hours**

*Required Core—6 hours*

COMM 461G Organizational Communication

COMM 561 Multinational Business Communication

*Electives—3 hours*

COMM 586 Processes of Group Communication

**OR** COMM 578 Seminar in Interpersonal Communication

*And one of the following:*

COMM 563 Issue Management

COMM 564 Crisis Communication

COMM 565 Communication and Conflict  
COMM 566 Corporate & Organizational Advocacy  
COMM 571 Computer Mediated Communication in Organizations  
COMM 578 Seminar in Interpersonal Communication  
COMM 581 Applied Organizational Communication  
COMM 586 Process of Group Communication  
COMM 587 Communication in Intercultural Negotiation & Mediation

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**Graduate Courses in Communication**

*All courses worth 3 credit hours unless otherwise noted.*

<b>COMM 447G</b> Studies in Public Communication	<b>COMM 561</b> Multinational Business Communication
<b>COMM 460G</b> Interviewing	<b>COMM 562</b> Special Topics in Intercultural Communication
<b>COMM 461G</b> Organizational Communication	<b>COMM 563</b> Issue Management
<b>COMM 463G</b> Intercultural Communication	<b>COMM 564</b> Crisis Communication
<b>COMM 474G</b> Gender Communication	<b>COMM 565</b> Communication and Conflict
<b>COMM 495G</b> Independent Study in Communication	<b>COMM 566</b> Corporate & Organizational Advocacy
<b>COMM 500</b> Speech Communication Internship	<b>COMM 569</b> Values and Leadership in Organizational Communication
<b>COMM 501</b> Qualitative Methods of Communication Research	<b>COMM 570</b> Seminar in Communication
<b>COMM 502</b> Survey Research Methods in Communication	<b>COMM 571</b> Computer Mediated Communication in Organizations
<b>COMM 503</b> Foundations of Communication Concepts	<b>COMM 572</b> Nonverbal Communication
<b>COMM 504</b> Ethnographic Methods of Communication Research	<b>COMM 577</b> Cultural Impact on Terrorism Communication
<b>COMM 510</b> Strategies for Teaching Speech Communication (1 hour)	<b>COMM 578</b> Seminar in Interpersonal Communication
<b>COMM 521</b> Evaluation of Mass Communication	<b>COMM 581</b> Applied Organizational Communication
<b>COMM 525</b> Interpersonal Support in the Workplace	<b>COMM 586</b> Processes of Group Communication
<b>COMM 526</b> Seminar in Family Communication	<b>COMM 587</b> Communication in Intercultural Negotiation & Mediation
<b>COMM 528</b> Communication in the Non-profit Sector	<b>COMM 595</b> Independent Study in Communication
<b>COMM 531</b> Global Leadership Communication	<b>COMM 599</b> Thesis Research and Writing (6 hours)
<b>COMM 540</b> Seminar in Rhetoric and Public Address	<b>COMM 600</b> Maintaining Matriculation (1-6 hours)
<b>COMM 542</b> Practicum in Communication Consulting	<b>COMM 721</b> Organizational Communication for Leaders
<b>COMM 543</b> Contemporary Method of Rhetoric Critic	<b>COMM 731</b> Global Communication for Leaders
<b>COMM 544</b> Persuasive Communication	<b>COMM 741</b> Leadership and Social Trends
<b>COMM 546</b> Seminar in Forensics	<b>COMM 751</b> Strategic Communication
<b>COMM 549</b> Rhetoric Theory and Criticism	
<b>COMM 551</b> Employee Communication	

## ***Department of English***

Karen Schneider, Head  
<http://www.wku.edu/English/>

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(270) 745-2533 Fax

### **Graduate Faculty**

**Professors:** L. Davies, J. Hagaman, D. Logan, K. Schneider, T. Hovet

**Associate Professor:** K. Berry, L. Crouther, L. Dill, N. Endres, J. Fife, K. Green, S. Hughes,  
T. Hunley, W. LeNoir, A. Poole, K. Reames, L. Rigby, J. Szerdahelyi

**Assistant Professors:** D. Bell, C. Ervin, A. Ganze, A. Jones, A. Langdon, E. Weixel, E.  
Weston, E. Winkler

### **Master of Arts in English, Ref. # 067**

The master's program prepares students for teaching in high school or college, for continuing graduate work toward a doctorate in English, or for many other careers that involve strong communication skills. The MA in English can be taken with a concentration in literature, creative writing, rhetoric and composition, teaching, or TESL (Teaching English as a Second Language). All five options may lead to Rank II/I for secondary teachers.

#### **Admission Requirements**

In addition to Graduate Studies requirements, admission to a concentration in literature or teaching requires 27 hours of undergraduate English with a GPA of 3.0 or better. Admission requirements for the creative writing, rhetoric and composition, and TESL concentrations include a minimum of four undergraduate English courses beyond general education requirements, at least two being upper-level literature courses, with a GPA of 3.0 or better. A satisfactory writing sample is required for the creative writing option. A thesis is mandatory in the creative writing specialization but optional in the others.

Those students seeking Rank II or Rank I certification for Grades 8-12 must possess a secondary school teaching certificate and must include a copy with the application for admission.

#### **Degree requirements**

All students in the MA program take English 520 (which should be taken in the first semester of graduate study), 6 hours of American literature, and 6 hours of British literature. Literature specialists also take a non-literature elective and an additional 12 hours of literature or 6 hours of literature and 6 hours of thesis credit. TESL specialists take 565, 566, 407G, 408G, and an elective. Creative writing specialists take 501, a 3-hour writing elective, a 3-hour elective, and write a creative thesis. Rhetoric and Composition specialists take 412G and 12 hours of writing classes or 6 hours and a thesis. Teaching track specialists take 3 hours of English composition, SEC 580, EDU 544, PSY 510 or 511, and a 3-hour elective in the College of Education and Behavioral Sciences.

All specializations include a research tool requirement, which the student may satisfy by demonstrating reading proficiency in a foreign language or by completing English 520. If English 520 is designated as the research tool, it may not be included in the 30 credit hours required for the degree, and students must take an additional 3 hours for a total of 33 hours.

An examination over the course work, related materials, and thesis (if there is one) must be



completed. Rank II/I candidates also present a portfolio at the time of the examination. Early in the graduate program, the student should obtain from the English graduate advisor a copy of the Reading List for the MA oral examination.

*Required Core for All Specialties – 15 hours*

ENG 520 Introduction to Graduate Studies

6 hours of American Literature

6 hours of British Literature

*Literature Specialist*

Required Core

3 hours of non-literature English  
electives

12 hours of literature electives

**OR** 6 hours of literature electives  
and a thesis

Research tool

*TESL Specialist*

Required Core

ENG 565 Integrated Teaching ESL

ENG 566 Teaching and Testing ESL

ENG 407G Linguistic Analysis

ENG 408G Psycholinguistics and  
Sociolinguistics

3 hours of electives

Research Tool

*Creative Writing Specialist*

Required Core

ENG 501 Graduate Writing Workshop

3 hours of writing electives

3 hours of English electives

Creative Thesis

Research Tool

*Rhetoric and Composition Specialists*

Required Core

ENG 412G History of Rhetoric

12 hours of writing electives

**OR** 6 hours of writing electives  
and a thesis

Research Tool

*Teaching Track Specialists*

Required Core

3 hours English composition

SEC 580 Curriculum

EDU 544 Classroom Teaching Strategy

PSY 510 Advanced Educational Psychology

**OR** PSY 511 Psychology of Learning

3 hours of electives in College of

Education & Behavioral Sciences

Research Tool

### **Master of Arts in Education Secondary Education (Ref. #103), English minor, Ref. # 008**

To pursue a minor in English, the student must have completed at least 24 hours of undergraduate work in English with a GPA of 3.0 or better in English. Students minoring in English take 12 hours in English, including 3 hours of American literature, 3 hours of British literature, 3 hours in composition or English language studies, and 3 hours of electives. Students take a written test in the minor. For more information on secondary education requirements, please refer to the *School of Teacher Education*.

#### **Minor requirements—12 hours**

##### *Required Core – 12 hours*

- 3 hours of American literature
- 3 hours of British literature
- 3 hours in composition or English language studies
- 3 hours of electives

### **Certificate in Teaching English to Speakers of Other Languages (TESOL) , Ref. # 0416**

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 15 hours consisting of English 407G Linguistic Analysis, 408G Psycholinguistics and Sociolinguistics, 565 Integrated TESL, 566 Teaching and Testing ESL Grammar, and 471G TESL Practicum, 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 if not previously taken. Students must have taken one linguistics class-- ENG 104 Introduction to Linguistics, ENG 302 Language and Communication, ENG 304 English Language, or an approved equivalent-- before taking 407G. Students must maintain a 3.0 GPA in order to receive the certificate.

#### **Certificate requirements—22 hours**

##### *Required Core – 16 hours*

- ENG 407G Linguistic Analysis
- ENG 408G Sociolinguistic and Psycholinguistics
- ENG 565 Integrated TESL
- ENG 566 Teaching and Testing ESL Grammar
- ENG 471G TESL Practicum
- Student Portfolio (for final assessment)

##### *Other requirements*

- 6 hours of one foreign language if not previously taken

## Endorsement to Teach English as a Second Language (TESL)

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 courses below and the ESL Praxis test with a minimum score of 157.

### Endorsement requirements—22 hours

#### *Required Core – 16 hours*

ENG 407G Linguistic Analysis  
ENG 408G Psycholinguistics and Sociolinguistics  
ENG 565 Integrated Teaching ESL  
ENG 566 Teaching and Testing ESL Grammar  
ENG 471G TESL Practicum

#### *Other requirements*

6 hours of one foreign language if not previously taken

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### Graduate Courses in English

*All courses worth 3 credit hours unless otherwise noted.*

ENG 401G Advanced Composition	ENG 490G The American Novel
ENG 402G Editing and Publishing	ENG 493G American Poetry
ENG 403G Writing Memoir and Autobiography	ENG 494G Kentucky Literature
ENG 404G History of the English Language	ENG 495G Southern Literature
ENG 407G Linguistic Analysis	ENG 496G Women's Poetry
ENG 408G Psycholinguistics and Sociolinguistics	ENG 497G Women's Fiction
ENG 410G Theories of Rhetoric and Composition	ENG 498G Robert Penn Warren
ENG 412G Theory and Practice of Rhetoric	ENG 499G Directed Study English
ENG 415G Writing and Technology	ENG 501 Graduate Writing Workshop
ENG 457G Modern British Literature	ENG 502 Graduate Directed Writing
ENG 460G Literary Criticism: Historical Perspectives	ENG 504 Studies in American Literature
ENG 462G Topics in Contemporary Literary Theory	ENG 509 Practicum in One-to-One Writing Instruction (1 hour)
ENG 465G Film Genres	ENG 510 Graduate Rhetoric and Writing
ENG 466G Film Theory	ENG 511 Writing Instruction Practicum (1 hour)
ENG 471G TESL Practicum	ENG 514 Studies in British Literature
ENG 474G Advanced Poetry Writing	ENG 520 Introduction to Graduate Studies
ENG 475G Advanced Fiction Writing	ENG 524 Studies in World Literature
ENG 481G Chaucer	ENG 534 Studies in Genre
ENG 482G Shakespeare I	ENG 565 Integrated Teaching ESL
ENG 483G The English Renaissance	ENG 566 Teaching & Testing ESL Grammar
ENG 484G The Romantic Movement	ENG 586 Seminar in British Writers
ENG 485G The Seventeenth Century	ENG 596 Seminar in American Writers
ENG 486G The Eighteenth Century	ENG 597 Special Topics in English
ENG 487G Dante	ENG 598 Advanced Directed Study
ENG 488G Literature of the Victorian Age	ENG 599 Thesis Research and Writing (6 hours)
ENG 489G The English Novel	ENG 600 Maintaining Matriculation (1- 6 hours)

## ***Department of Folk Studies & Anthropology***

Michael Ann Williams, Head

<http://www.wku.edu/fsa>

Ivan Wilson Fine Arts Center 237

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(270) 745-6889 Fax

### **Graduate Faculty**

**Professors:** S. Brady, M. Williams

**Associate Professors:** D. Applegate, T. Evans, K. Hudepohl, J. Njoku

**Assistant Professors:** M. Agozzino, L. Powell

### **Master of Arts in Folk Studies, Ref. # 069**

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.

#### **Admission Requirements**

Adequate undergraduate preparation in any of these disciplines will be acceptable for admission to graduate study in folk studies. The student with a GPA below 3.0 will be asked to submit three letters of recommendation prior to consideration for admission.

#### **Plan A (Thesis Option) Degree Requirements—minimum of 36 hours**

This option provides advanced knowledge of the theoretical and methodological aspects of folklore and folklife. Course work will emphasize the history of the discipline, field research techniques, and surveys of various folklore genres. It is designed to prepare students for both academic and public sector professions and for further academic research.

##### *Required Core – 18 hours*

The following three courses must be taken in the first year:

FLK 577 Folklore Theory

FLK 578 Folklore Fieldwork

FLK 569 Folklore Genres

Three of the following genre courses:

FLK 561 Folk Arts and Technology

FLK 571 Folk Narrative

FLK 575 Folk Belief

FLK 576 American Traditional Music

##### *Electives – 12-15 hours*

Selected with approval of advisor; hours depend on whether FLK 578 Folklore Fieldwork is used as the research tool.

*Research Tool*

The research tool requirement may be met by demonstrating proficiency in a foreign language or by completing FLK 578 Folklore Fieldwork and taking an additional folklore course.

*Thesis – 6 hours*

FLK 599 Thesis Research and Writing

*Exam*

The student must also pass a comprehensive written examination based on course work and a program reading list.

**Plan B (Public Folklore Option) Degree Requirements—minimum of 36 hours**

This option requires additional course work rather than thesis writing. It also permits individually planned programs (with advisor) stressing those combinations of course-related research, “hands on” skills, and writing experiences that will best prepare individuals for their personal and professional goals.

*Required Core – 27 hours*

The following three courses must be taken in the first year:

- FLK 577 Folklore Theory
- FLK 578 Folklore Fieldwork
- FLK 569 Folklore Genres

Three of the following genre courses:

- FLK 561 Folk Arts and Technology
- FLK 571 Folk Narrative
- FLK 575 Folk Belief
- FLK 576 American Traditional Music
- FLK 562 Folklore and Education
- FLK 572 Public Folklore
- FLK 589 Internship in Folk Studies

*Electives – 9-12 hours*

- FLK 462G Folklore and Medicine
- FLK 470G Museum Procedures and Preservation Techniques
- FLK 560 Cultural Conservation

Other electives chosen with the advisor’s approval; hours depend on whether FLK 578 Folklore Fieldwork is used as the research tool.

*Research Tool*

The research tool requirement may be met by demonstrating proficiency in a foreign language or by completing FLK 578 Folklore Fieldwork and taking an additional folklore course.

*Exam and Portfolio*

The student must also pass a comprehensive written examination based on course work and a program reading list, and submit a portfolio of professional-level work for the degree.

### **Plan C (Historic Preservation Option) Degree Requirements—minimum of 36 hours**

While firmly grounded in the folk studies curriculum, the historic preservation option introduces students to the multiple facets of historic preservation and cultural conservation theory and practice. Internships with a variety of local, regional, and national institutions will also provide opportunity for practical work experience in historic preservation.

#### *Required Core – 27 hours*

The following three courses must be taken in the first year:

- FLK 577 Folklore Theory
- FLK 578 Folklore Fieldwork
- FLK 569 Folklore Genres

Three of the following genre courses:

- FLK 561 Folk Arts and Technology
- FLK 571 Folk Narrative
- FLK 575 Folk Belief
- FLK 576 American Traditional Music
- FLK 470G Museum Procedures and Preservation Techniques
- FLK 464G Vernacular Architecture
- FLK 560 Cultural Conservation

#### *Electives – 9-12 hours*

Electives chosen with the advisor's approval; hours depend on whether FLK 578 Folklore Fieldwork is used as the research tool.

#### *Research Tool*

The research tool requirement may be met by demonstrating proficiency in a foreign language or by completing FLK 578 Folklore Fieldwork and taking an additional folklore course.

#### *Exam and Portfolio*

The student must also pass a comprehensive written examination based on course work and a program reading list, and submit a portfolio of professional-level work for the degree.

### **Master of Arts in Education, Folk Studies minor, Ref. # 009**

This program is designed to enrich teaching content in the public schools in the arts, humanities, and social sciences, and to broaden the teacher's general education background.

#### **Admission Requirements**

Adequate undergraduate preparation in any of these disciplines will be acceptable for admission to graduate study in folk studies. The student with a GPA below 3.0 will be asked to

submit three letters of recommendation prior to consideration for admission.

**Requirements for Folk Studies minor—minimum of 12 hours**

*Required Core – 27 hours*

FLK 577 Folklore Theory

FLK 578 Folklore Fieldwork

*Electives – 6 hours*

Chosen with the advisor's approval. One course from a related discipline may be substituted for one folklore elective.

**Certificate in Historic Preservation, Ref. # 0423**

The graduate certificate in Historic Preservation will provide the student with basic knowledge of and skills in preservation law and planning, architectural history, and cultural conservation. Students will be prepared for professional level work in preservation and cultural resource management.

The 15-hour certificate in historic preservation requires a 12-hour core: FLK 560, FLK 589HP, and two of the following: FLK 445G, FLK 464G, FLK 470G or GEOG 434G. A 3-hour preservation elective will be chosen with the advisor's approval. FLK 589HP should be taken after the completion of at least six hours of coursework.

**Certificate requirements—15 hours**

*Required Core – 12 hours*

FLK 560 Cultural Conservation

FLK 589HP Internship

Two of the following:

FLK 445G American Architectural History

FLK 464G Vernacular Architecture

FLK 470G Museum Procedures and Preservation Techniques

GEOG 434G Historic Preservation and Planning

*Electives – 3 hours*

Chosen with advisor's approval

### **Graduate Courses in Folk Studies**

*All courses worth 3 credits unless otherwise noted.*

- |  |   |
|--|---|
| <b>FLK 410G</b> African American Music                           | <b>FLK 571</b> Folk Narrative                             |
| <b>FLK 445G</b> American Architectural History                   | <b>FLK 572</b> Public Folklore                            |
| <b>FLK 446G</b> Restoration of Historic Interiors                | <b>FLK 574</b> Urban Folklore                             |
| <b>FLK 447G</b> History of Architecture Interiors III            | <b>FLK 575</b> Folk Belief                                |
| <b>FLK 462G</b> Folklore and Medicine                            | <b>FLK 576</b> American Traditional Music                 |
| <b>FLK 464G</b> Vernacular Architecture                          | <b>FLK 577</b> Folklore Theory                            |
| <b>FLK 470G</b> Museum Procedures and<br>Preservation Techniques | <b>FLK 578</b> Folklore Fieldwork                         |
| <b>FLK 478G</b> Folklore and Literature                          | <b>FLK 579</b> Directed Study and Research in<br>Folklore |
| <b>FLK 480G</b> Women's Folklife                                 | <b>FLK 580</b> Folklore Conversation and<br>Communication |
| <b>FLK 560</b> Cultural Conservation                             | <b>FLK 585</b> Topics in Folklore                         |
| <b>FLK 561</b> Folk Arts and Technology                          | <b>FLK 589</b> Internship in Folk Studies                 |
| <b>FLK 562</b> Folklore and Education                            | <b>FLK 599</b> Thesis Research and Writing (6 hours)      |
| <b>FLK 566</b> Oral History Materials and Methods                | <b>FLK 600</b> Maintaining Matriculation (1-6 hours)      |
| <b>FLK 569</b> Folklore Genres                                   |   |
| <b>FLK 570</b> Appalachian Folklore and Folklife                 |   |

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### **Graduate Courses in Anthropology**

*All courses worth 3 credits unless otherwise noted.*

- ANTH 431G** Field Course in Archaeology (1-4 hours)
- ANTH 432G** Field Course in Archaeology (1- 9 hours)
- ANTH 434G** Graveyard Archaeology
- ANTH 436G** Applied Archaeology
- ANTH 448G** Visual Anthropology
- ANTH 449G** Ethnographic Video Production
- ANTH 493G** Archaeology Stewardship
- ANTH 495G** Directed Study (1- 4 hours)



## ***Department of History***

Robert Dietle, Head

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### **Graduate Faculty**

**Professors:** J. Hardin, H. Phillips, R. Weigel

**Associate Professors:** K. Abbott, M. Formes, G. LaFantasie, B. Plummer, E. Reed

**Assistant Professors:** D. Browder, A. Duffin, M. Eagle, F. McMichael

### **Master of Arts in History, Ref. # 078**

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.

#### **Admission Requirements**

In addition to meeting general Graduate Studies requirements, the applicant must present a major or minor in history with approximately a B average in this field. Students who meet the Graduate Studies requirements, but who do not meet departmental requirements, may be admitted after achieving at least a 3.0 grade point average on at least six graduate hours in history taken as an unclassified student.

#### **Degree requirements—33 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.

Both Plan A (thesis) and Plan B (non-thesis) are available. Plan A requires a minimum of 24 hours of course work, including Historiography (HIST 535), and the thesis. Reading proficiency in a modern foreign language must be demonstrated.

Plan B requires 36 hours. Historiography (HIST 535) must be included in the program or used as a research tool. The research tool may be met by demonstrating proficiency in a foreign language, completing Math 203 or Statistics, or completing History 535.

#### *Plan A – minimum of 24 hours*

HIST 535 Historiography

21 hours of electives

Thesis

Modern foreign language reading  
proficiency

#### *Plan B – 36 hours*

HIST 535 Historiography

33 hours of electives

Research Tool

#### *Comprehensive Exam*

Students should contact the History Graduate Advisor early in their programs for help in compiling a list of books to study in preparation for the comprehensive exam. Students must pass the comprehensive exam (oral and written) over course work, bibliography, and (if Plan A) thesis.

## **Master of Arts in Education History, major Ref. # 111 or minor Ref. # 017**

Since this program is designed for the public school teacher, the student following it must meet all requirements for renewing the teaching certificate. A minimum of 18 hours is required for a major. A maximum of 15 or a minimum of 12 hours is required for a minor. The remaining hours must be taken in professional education courses. For additional information regarding the secondary education aspects of this degree, consult the *School of Teacher Education*.

## **Certificate in History, Ref. # 165**

Twelve (12) hours of course work is required for the following areas of certificate completion:

### *United States (Code HUST)*

HIST 630 Seminar in United States History  
HIST 525 Social and Intellectual History of the US: 19<sup>th</sup> Century  
HIST 526 Social and Intellectual History of the US: 20<sup>th</sup> Century  
3 hours of electives

### *Modern Europe (Code HMEU)*

HIST 606 Seminar in European History  
HIST 422G The French Revolution and Napoleonic Era  
HIST 425G Modern Germany  
3 hours of electives

### *Military (Code HMIL)*

HIST 443G Civil War and Reconstruction, 1850-1877  
HIST 606 Seminar in European History (WWI)  
HIST 630 Seminar in United States History  
HIST 606 Seminar in European History (WWII)

### *Social/Intellectual (Code HSOC)*

HIST 525 Social and Intellectual History of the US: 19<sup>th</sup> Century  
HIST 526 Social and Intellectual History of the US: 20<sup>th</sup> Century  
HIST 527 Social and Intellectual History of Europe: 19<sup>th</sup> Century  
HIST 447G History of American Popular Culture

### *Kentucky (Code HKEN)*

HIST 554 Local History  
HIST 631 Seminar in Kentucky History  
HIST 456G Kentucky History  
3 hours of electives

*Southern (Code HSOU)*

HIST 630 Seminar in United States History

HIST 457G The Old South

HIST 458G New South

3 hours of electives

*Early Modern Europe (Code HEME)*

HIST 606 Seminar in European History (Middle Ages)

HIST 606 Seminar in European History (Renaissance)

HIST 419G Tudor-Stuart England

3 hours of electives

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## Graduate Courses in History

*All courses worth 3 credit hours unless otherwise noted.*

- HIST 404G** Ancient Egypt  
**HIST 407G** The Crusades  
**HIST 419G** Tudor-Stuart England  
**HIST 422G** The French Revolution and Napoleonic Era  
**HIST 425G** Modern Germany  
**HIST 426G** Hitler and Nazi Germany  
**HIST 428G** England Since 1914  
**HIST 440G** Colonial History of America to 1776  
**HIST 442G** The Jacksonian Era, 1815-1850  
**HIST 448G** American Biographies  
**HIST 449G** Korea and Vietnam  
**HIST 450G** Diplomatic History of the US to 1898  
**HIST 451G** Diplomatic History of the US since 1898  
**HIST 454G** History of Religion in America  
**HIST 460G** Traditional East Asia  
**HIST 462G** History of the Middle East  
**HIST 464G** Latin America and the United States  
**HIST 465G** The Mexican Republic  
**HIST 471G** Modern China  
**HIST 472G** Modern Japan  
**HIST 479G** Topics in the Third World  
**HIST 480G** A Social History of Science  
**HIST 490G** Topics in History I  
**HIST 491G** Topics in History II  
**HIST 492G** The History of Canada  
**HIST 501** European History for Secondary Teachers  
**HIST 502** United States History for Secondary Teachers  
**HIST 505** Cultural Diversity in American History  
**HIST 515** Nineteenth Century Britain  
**HIST 521** United States 1900 to 1945  
**HIST 522** United States Since 1945  
**HIST 525** Social and Intellectual History of the US: 19th Century  
**HIST 526** Social and Intellectual History of the US: 20th Century  
**HIST 527** Social and Intellectual History of Europe: 19th Century  
**HIST 530** History of the Civil Rights Movement in America  
**HIST 531** A Cultural History of Alcohol  
**HIST 535** Historiography  
**HIST 540** Colonial N America to 1763  
**HIST 541** The American Revolution & Early Republic, 1776-1815  
**HIST 543** Civil War and Reconstruction, 1850-1877  
**HIST 544** Gilded Age America  
**HIST 545** American Legal History to 1865  
**HIST 546** American Legal History since 1865  
**HIST 547** History of American Popular Culture  
**HIST 552** American Civil Rights Movement  
**HIST 553** American Women's History  
**HIST 554** Local History  
**HIST 556** Kentucky History  
**HIST 557** The Old South  
**HIST 558** New South  
**HIST 559** Immigrants in American History  
**HIST 563** The Atlantic World  
**HIST 569** Coop Education in History  
**HIST 574** The History of Religion in America  
**HIST 581** The Rise and Fall of the Confederacy  
**HIST 590** Advanced Individual Study  
(May be repeated once with different topic)  
**HIST 599** Thesis and Research Writing (6 hours)  
**HIST 600** Maintaining Matriculation (1 to 6 hours)  
**HIST 605** Seminar in Ancient History  
(May be repeated once with different topic)  
**HIST 606** Seminar in European History  
(May be repeated once with different topic)  
**HIST 607** Early Modern Europe 1300-1648  
**HIST 615** Seminar in Non-Western History  
(May be repeated once with different topic)  
**HIST 619** Seminar in US Diplomatic Relations  
(May be repeated once with different topic)  
**HIST 622** Seminar in American Borderlands & West  
(May be repeated once with different topic)  
**HIST 630** Seminar in United States History  
(May be repeated once with different topic)  
**HIST 631** Seminar in Kentucky History  
**HIST 641** Readings in American History  
**HIST 644** Readings in European History

## ***School of Journalism & Broadcasting***

Jo-Anne Ryan, Interim Director

<http://www.wku.edu/Journalism>

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(270) 745-5835 Fax

A graduate program is not offered by the School of Journalism & Broadcasting. However, students in other departmental programs may select course work from the limited offering in this area.

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### **Graduate Courses in Journalism**

*The following 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. All courses are worth 3 credits unless otherwise noted*

**JOUR 427G** School Journalism

**JOUR 481G** Problems in Mass Communications

## ***Department of Modern Languages***

Laura McGee, Interim Head

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### **Graduate Faculty**

**Professors:** K. Egloff, M. Stewart, C. Wilkerson

**Associate Professors:** L. McGee, I. Pertusa-Seva

**Assistant Professors:** S. Lenk

### **Master of Arts in Education French minor, Ref. #010;**

### **German minor, Ref. #012;**

### **Spanish minor, Ref. #038**

Minors are available in French, German, and Spanish. Since this program is designed for the public school teacher, students following it must meet all requirements for renewing the teaching certificate. Those persons minoring in French, German, or Spanish may take a minimum of 12 and a maximum of 15 hours. The remaining hours will be taken in professional education. No more than four 400G-level courses can be counted overall among the 30 required hours.

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#### **Graduate Courses in French**

*All courses worth 3 credit hours unless otherwise noted.*

**FREN 420G** Advanced French Composition and Stylistics

**FREN 421G** Advanced French Conversation

**FREN 427G** Francophone Culture

**FREN 445G** French Canadian Literature

**FREN 450G** Topics in Francophone Cinema

**FREN 520** Seminar in French Literature or Language

#### **Graduate Courses in Spanish**

*All courses worth 3 credit hours unless otherwise noted.*

**SPAN 470G** Advanced Oral Spanish

**SPAN 471G** Advanced Spanish Composition

**SPAN 476G** Twentieth Century Spain

**SPAN 490G** Hispanic Cinema

**SPAN 499G** Advanced Studies (1-4 hours, up to 6 hours)

**SPAN 555** Topics in Hispanic Literacy & Cultural Studies

**SPAN 578** Seminar in Hispanic Literature

or Language (may be repeated up to 6 hours)

#### **Graduate Courses in German**

*All courses worth 3 credit hours unless otherwise noted.*

**GERM 430G** Advanced German Composition and Conversation

**GERM 432G** History of the German Language

**GERM 435G** German Literature of the 19th and 20th Centuries

**GERM 436G** German Literature of the Classical Period

**GERM 437G** German Literature and Film

**GERM 555** Topics in German Literacy & Cultural Studies

#### **Graduate Courses in Modern Languages**

*All courses worth 3 credit hours unless otherwise noted.*

**MLNG 410G** Second Language Acquisition

**MLNG 420G** Multimedia Technologies in Teaching Foreign Language

**MLNG 474G** Teaching Foreign Language

**MLNG 480G** Topics in Modern Language Cultures and Pedagogy (1-3 hours, up to 6 hours)

## ***Department of Music***

Mitzi Groom, Head  
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### **Graduate Faculty**

**Professors:** M. Groom, M. Kallstrom, B. Scott, M. Scott, R. Swanson  
**Associate Professors:** P. Hondorp, R. Pope, G. Schallert, M. Wolinski  
**Assistant Professor:** J. Bright

The graduate program in music functions to provide continued development of (1) individual students which will result in enrichment of their personal lives and will enable them to preserve and extend our cultural heritage, and (2) professional and scholarly competence in organization, interpretation, evaluation, communication and dissemination of knowledge in the discipline. The Master of Arts in Education (Music Major) further enables the teacher/practitioner to meet certification renewal requirements mandated by the state of Kentucky. The applicant must demonstrate ability and knowledge through examination in music theory and music literature upon entering the program. A comprehensive written examination is required of all degree-seeking candidates near the end of their course work.

### **Master of Arts in Education Music major, Ref. # 089; minor, Ref. # 022**

#### **Master of Arts in Education Music major degree requirements—30-33 hours**

The Master of Arts Music major degree program requires a minimum of 30 hours, maximum 33 hours. Since this program is designed for the public school teacher, the student following it must meet all requirements for professional certification.

#### *Required core for professional certification – 9-12 hours*

SEC 580 Curriculum

**OR** MGE 571 Organization of the Middle School Curriculum

**OR** ELED 503 Organization of the Elementary School Curriculum

EDU 544 Classroom Teaching Strategy

PSY 510 Advanced Educational Psychology

**OR** PSY 511 Psychology of Learning

EXED 516 Child with Exceptionalities (required unless an EXED course is on the undergraduate transcript)

#### *Music Specialization Component – 9-12 hours\**

MUS 500 Seminar in Theory

MUS 513 Directed Individual Study: Music Education Study

MUS 518 Advanced Conducting

MUS 525 Music and the Human Experience

MUS 530 Music Literature

*\*At least two fields must be represented.*

Maximum of one hour of the following:

- MUS 440G Choral Union
- MUS 441G University Choir
- MUS 444G Orchestra
- MUS 445G Chamber Singers
- MUS 448G Band
- MUS 449G Chamber Music
- MUS 471G Jazz Ensemble

Maximum of two hours of the following:

- MUS 453G Applied Music Principal

*Music Education Component – 9 hours*

EDU/MUS 501 Seminar: Designing the PDP

EDU/MUS 596 Seminar: Standards Based Professional Portfolio

Six hours from the following:

- MUS 509 General Music in the Elementary and Middle Schools
- MUS 512 Music Education Workshop<sup>^</sup>
- MUS 514 General Music in the Secondary Schools
- MUS 525 Music and the Human Experience
- MUS 513 Directed Individual Study: Music Education Study<sup>^</sup>

In consultation with the music education advisor, 453G for a maximum of two hours; and 440G, 441G, 444G, 445G, 448G, 449G and 471G for a maximum of one hour may be used in the music education component.

<sup>^</sup> MUS 512, 513, and 530 may be repeated for an additional three hours credit with approval from the advisor.

*Research Tool—3 hours*

MUS 511 Investigations of Music Education

**OR** EDFN 500 Research Methods

**Master of Arts in Education Music minor—12-15 hours**

The minor requires a minimum of twelve or a maximum of fifteen hours in music. The remaining hours will be taken in professional education courses. A typical program consists of a balanced selection of music education and music literature offerings. In addition, consideration is given to those with an interest in music theory, instrumental arranging, applied music (primary or secondary) or a related field.



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**Graduate Courses in Music**

*All courses worth 3 credits unless otherwise noted.*

**MUS 440G** Choral Union (1 hour)

**MUS 441G** University Choir (1 hour)

**MUS 444G** Orchestra (1 hour)

**MUS 445G** Chamber Singers (1 hour)

**MUS 448G** Band (1 hour)

**MUS 449G** Chamber Music (1 hour)

**MUS 450G** Applied Music Secondary (1 hour)

**MUS 453G** Applied Music Principal (2 hours)

**MUS 471G** Jazz Ensemble (1 hour)

**MUS 500** Seminar in Theory

**MUS 509** General Music in the Elementary  
& Middle Schools

**MUS 511** Investigations of Music Education

**MUS 512** Music Education Workshop (1-3 hours)

**MUS 513** Directed Individual Study: Music Education  
Study

**MUS 514** General Music in the Secondary Schools

**MUS 517** Arts/Humanities for P-5 Instruction

**MUS 518** Advanced Conducting

**MUS 525** Music and the Human Experience

**MUS 530** Music Literature

**MUS 538** Directed Individual Study: Music

**MUS 559** Graduate Recital

## ***Department of Philosophy & Religion***

Eric Bain-Selbo, Head  
[eric.bain-selbo@wku.edu](mailto:eric.bain-selbo@wku.edu)  
<http://www.wku.edu/Philosophy/>

Cherry Hall 300  
(270) 745-3136 Office  
(270) 745-5261 Fax

### **Graduate Faculty**

**Professors:** M. Seidler

**Associate Professors:** J. Long, J. Samuels, E. Bain-Selbo

**Assistant Professors:** O. Scharbrodt

A graduate program is not offered by this department; however, course work may serve as content area or electives in other programs.

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### **Graduate Courses in Philosophy**

*All courses are worth 3 credits unless otherwise noted*

**PHIL 401G** Readings in Philosophy  
**PHIL 415G** Advanced Logic  
**PHIL 426G** Philosophy and Old Age  
**PHIL 499G** Research in Philosophy  
**PHIL 598** Humanities Essay

### **Graduate Courses in Religious Studies**

*All courses are worth 3 credits unless otherwise noted*

**RELS 401G** Religious Studies Seminar  
**RELS 430G** Christianity to 1517  
**RELS 431G** Christianity from 1517 to the Present  
**RELS 501** Graduate Seminar in Religious Studies  
**RELS 510** Seminar in Religious Literature  
**RELS 520** Seminar in Religious History  
**RELS 530** Seminar in Religious Thought

## ***Department of Political Science***

Saundra Ardrey, Head

[saundra.ardrey@wku.edu](mailto:saundra.ardrey@wku.edu)

<http://www.wku.edu/pcal/mpa-program>

Grise Hall 300

(270) 745-4558 Office

(270) 745-2945 Fax

### **Graduate Faculty**

**Professors:** E. Yager

**Associate Professors:** S. Ardrey, S. Kiasatpour, S. Lasley, R. Murphy

**Assistant Professors:** V. Gordon, J. Kash, J. Turner

**Professional in Resident:** J. Chappell

### **Master of Public Administration, Ref. #051**

James Chappell, Director

The MPA program serves three primary categories of students: (1) those preparing for careers in the public sector who possess little or no practical experience in governmental employment; (2) those experienced public administrators who seek additional academic and practical knowledge as a means to increase their administrative potential; and (3) members of the U.S. military service who seek a master's degree to enhance their management potential for command officer status and professional development.

#### **Degree requirements—39 hours**

The degree requires 39 semester hours of course work including completion of 21 hours of core courses. An internship is required of all students unless exempted based on previous administrative or managerial experience. A final written comprehensive examination must be passed. Thesis is not required.

##### *Required Core – 18 hours*

PS 501 Methods of Political Inquiry

PS 538 Ethics and Bureaucracy

PS 540 Seminar in Public Sector Organizations

PS 541 Public Personnel Administration

PS 542 Government Financial Administration

PS 545 Seminar in Public Policy Analysis

**OR** PS 546 Public Policy Evaluation

##### *Electives – 18 hours*

See MPA Advisor for list of approved electives

##### *Internship – 3 hours*

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**Graduate Courses in Political Science**

*All courses worth 3 credits unless otherwise noted.*

**PS 415G** Federalism and Public Policy

**PS 417G** Local and Reg Government

**PS 500** Workshops in Public Administration (1.5 hours, may be repeated up to 6 hours)

**PS 501** Methods of Political Inquiry

**PS 505** Washington Internship and Academic Seminars (3 or 6 hours)

**PS 510** Problems in National Government

**PS 511** Seminar in State Government

**PS 512** Kentucky Government and Politics

**PS 520** Elements of Public Administration

**PS 524** Administrative Law

**PS 538** Ethics and Bureaucracy

**PS 540** Seminar in Public Sector Organizations

**PS 541** Public Personnel Administration

**PS 542** Government Financial Administration

**PS 543** Politics and Administration in Rural Communities

**PS 545** Seminar in Public Policy Analysis

**PS 546** Public Policy Evaluation

**PS 549** Special Problems in Public Administration

**PS 580** Directed Study

**PS 597** Professional Seminar in Public Administration

**PS 598** Internship in Public Administration

## ***Department of Sociology***

Douglas Smith, Interim Head

<http://www.wku.edu/pcal/index.php?page=sociology>

<http://www.wku.edu/pcal/ma-sociology>

<http://www.wku.edu/pcal/ma-criminology>

Grise Hall 101

(270) 745-3759 Office

(270) 745-6493 Fax

### **Graduate Faculty**

**Professors:** M. Pruitt

**Associate Professors:** J. Kanan, A. Krull, J. Musalia, D. Smith

**Assistant Professor:** G. Daday, H. Drummond, D. Lovell

### **Master of Arts in Sociology, Ref. # 105**

This program aims to develop specific skills, especially those related to the quantitative and qualitative research processes, computer analysis, and report/proposal preparation. Completion of the MA in Sociology will prepare graduates for positions in public or private agencies and give thorough preparation for teaching and for advanced study at the doctoral level. The course of study includes training in general sociological theory, social research methods, statistics, and professional writing. Additional academic training is provided in substantive areas as well as through directed study.

### **Admission Requirements**

Admission to the program requires a GAP score of at least 2200 (GAP = GRE verbal and quantitative scores combined times the undergraduate grade point average). Students desiring to earn assistantships must have a GAP score of at least 2700. Also, a minimum score of 3.5 on the analytical writing section of the GRE is expected for both admission and an assistantship. In addition, preference is given to students who have completed the required courses for a sociology major or minor (Introductory Sociology, Using Statistics in Sociology, Strategies of Social Research, and Sociological Theory) with an average grade of B or better.

Interested students should send application for admission, GRE scores, transcripts, and a letter of intent to the Office of Graduate Studies. Applicants should discuss the following information in their letters of intent: 1) prior background and life experiences that could contribute to graduate coursework and research in sociology, 2) personal reasons for pursuing graduate studies in sociology at Western Kentucky University, 3) the applicant's areas of interest in the discipline of sociology, 4) the applicant's viewpoint on the importance of sociology for the study of the social world, and 5) future plans. The application deadline for fall semester admissions is June 15 and the deadline for spring semester admissions is November 15th. If a student wishes to be considered for one of the department's very limited graduate assistantship positions, he/she must submit application materials coupled with a graduate assistantship application and three letters of recommendation before March 15 for fall semester admission and before October 15 for spring semester admission.

### **Thesis Option Degree Requirements—31 hours**

*Required Core – 13 hours*

SOCL 505 Proseminar in Sociology

SOCL 510 Qualitative Research Methods

SOCL 512 Sociological Theory  
SOCL 513 Quantitative Research Methods  
SOCL 514 Advanced Social Statistics

*Electives – 12 hours*

Chosen with approval of advisor

*Thesis – 6 hours*

SOCL 599 Thesis Research and Writing

*Research Tool*

The research tool requirement may be met by completing one of the following three options:

1. Passing a foreign language examination that demonstrates reading proficiency in a foreign language,
2. Earning a grade of a “B” or better in SOCL 520, Professional Research and Writing in Sociology
3. Earning a grade of a “B” or better in SOCL 515, Advanced Data Analysis. SOCL 520 or SOCL 515 may be used as an elective course in the graduate program if not used in fulfilling the research tool requirement.

**Non-Thesis Option Degree Requirements—37 hours**

*Required Core – 13 hours*

SOCL 505 Proseminar in Sociology  
SOCL 510 Qualitative Research Methods  
SOCL 512 Sociological Theory  
SOCL 513 Quantitative Research Methods  
SOCL 514 Advanced Social Statistics

*Electives – 24 hours*

Chosen with approval of advisor

*Comprehensive Exam*

Students selecting this option must pass a comprehensive examination during their final semester.

*Research Tool*

The research tool requirement may be met by completing one of the following three options:

1. Passing a foreign language examination that demonstrates reading proficiency in a foreign language,
2. Earning a grade of a “B” or better in SOCL 520, Professional Research and Writing in Sociology
3. Earning a grade of a “B” or better in SOCL 515, Advanced Data Analysis. SOCL 520 or SOCL 515 may be used as an elective course in the graduate program if not used in fulfilling the research tool requirement.

### **General Information**

The department offers two courses (SOCL 500: Seminar in Teaching and SOCL 501: Practicum in Teaching) for those students interested in teaching. Students who have completed 18 graduate hours including SOCL 500 can be designated Graduate Teaching Associates and become eligible to teach their own sections of Introductory Sociology while taking SOCL 501.

### **Master of Arts in Criminology, Ref. # 0421**

This online program exposes students to the empirical study and evaluation of crime patterns in society using a social scientific perspective. The program's primary emphasis is in the development of strong methodological and quantitative skills necessary to gather and analyze criminological data. In addition to a research and analysis emphasis, course work is directed toward the investigation of the etiology of offending and victimization in violent and property crimes using a variety of theoretical frameworks structuring the research process. Courses in the curriculum examine the major correlates of crime, delinquency, and deviance, including an analysis of the effects of gender, age, race/ethnicity, and social class in explaining variation in offending and victimization rates at various levels of analysis (i.e. individuals, within neighborhoods, among counties, and across countries). Students are exposed to historical and contemporary macro and micro level theories of offending and victimization, and they are challenged to think about how prior and current research in the field of Criminology can be used to inform social and public policies. Several courses provide students with the opportunity to examine the institutions that have evolved to respond to crime and delinquency in our society. These courses provide insights and perspectives into punishment and correction systems, penology, criminal law, rehabilitation and recidivism. At the end of the program, students must complete a criminological research project in the format of a peer-reviewed journal article and pass an oral examination.

### **Admission Requirements**

Admission to the program requires a GAP score of at least 2200 (GAP = GRE verbal and quantitative scores combined times the undergraduate grade point average). Interested students should send applications for admission, GRE scores, and transcripts to the Office of Graduate Studies.

### **Degree requirements—30 hours**

The Criminology MA program requires students to complete 30 credit hours of graduate work plus a 3 credit hour research tool. The program only provides a non-thesis option. Students must pass an oral examination after completing all course work in the specified curriculum.

#### *Required Core – 12 hours*

- SOCL 514 Advanced Social Statistics
- SOCL 525 Survey of Criminal Justice Studies
- SOCL 532 Criminology
- SOCL 596 Applied Research Project

*Electives – 18 hours*

A minimum of 6 elective hours must be taken from this list of electives in the Department of Sociology at WKU:

- SOCL 530 Penology
- SOCL 531 Deviant Behavior
- SOCL 533 Criminology and Law
- SOCL 534 Neighborhoods and Crime
- SOCL 535 Family Violence
- SOCL 536 Juvenile Delinquency
- SOCL 537 Comparative Criminology
- SOCL 538 Victimology
- SOCL 546 Gender, Crime and Justice
- SOCL 547 Life-course Criminology
- SOCL 548 Race, Class and Crime
- SOCL 572 Environmental Criminology

Students may complete a maximum of twelve credit hours of graduate course work outside of the Department of Sociology. Students may select these courses from this list of approved electives offered by the Department of Correctional and Juvenile Justice Studies and the Department of Criminal Justice at Eastern Kentucky University:

- COR 823 Topical Seminar in Corrections/Juvenile Justice
- COR 830 Corrections and Society
- COR 835 Administration of Corrections and Juvenile Justice
- COR 840 Adult Corrections
- COR 850 Offender Rehabilitation Strategies
- COR 856 Law and Ethics in Corrections and Juvenile Justice
- CRJ 814 Policing and Society
- CRJ 874 Crime and Popular Culture
- CRJ 875 Crime and Public Policy
- CRJ 878 Ideology and Criminal Justice

With the approval of the graduate advisor in the Sociology Department, students may complete or transfer twelve graduate credit hours of electives from other departments at Western Kentucky University or from courses completed at other institutions.

*Research Tool – 3 hours*

- SOCL 513 Quantitative Research Methods



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**Graduate Courses in Sociology**

*All courses worth 3 credits unless otherwise noted.*

**SOCL 408G** Survey Applications

**SOCL 420G** Political Sociology

**SOCL 435G** Family Violence

**SOCL 440G** Medical Sociology

**SOCL 450G** Occupations and Professions

**SOCL 470G** Environmental Sociology

**SOCL 489G** Sociology Study Abroad

**SOCL 500** Seminar in the Teaching of  
Sociology (2 hours)

**SOCL 501** Practicum in the Teaching of  
Sociology (1 hour)

**SOCL 505** Proseminar in Sociology

**SOCL 510** Qualitative Methods of Social Research

**SOCL 512** Sociological Theory

**SOCL 513** Quantitative Methods of Social Research

**SOCL 514** Advanced Social Statistics

**SOCL 515** Advanced Data Analysis

**SOCL 520** Professional Research and Writing in  
Sociology

**SOCL 525** Survey of Criminal Justice Studies

**SOCL 530** Penology

**SOCL 531** Deviant Behavior

**SOCL 532** Criminology

**SOCL 533** Criminology and Law

**SOCL 534** Neighborhoods and Crime

**SOCL 535** Family Violence

**SOCL 536** Juvenile Delinquency

**SOCL 537** Comparative Criminology

**SOCL 538** Victimology

**SOCL 541** Demography

**SOCL 542** Community

**SOCL 545** Rural Poverty

**SOCL 546** Gender, Crime, and Justice

**SOCL 547** Life-course Criminology

**SOCL 548** Race, Class, and Crime

**SOCL 551** Sociology of the Family

**SOCL 561** Advanced Social Interaction

**SOCL 571** Topical Seminar in Sociology

**SOCL 572** Environmental Criminology

**SOCL 595** Directed Study (1-3 hours)

**SOCL 595** Directed Study

**SOCL 596** Applied Research Project

**SOCL 598** Internship in Sociology (3-6 hours)

**SOCL 599** Thesis Research and Writing (6 hours)

**SOCL 600** Maintaining Matriculation (1-6 hours)

## *University College*

Dennis K. George, Dean  
<http://www.wku.edu/uc>

Cherry Hall 301  
(270) 745-3570 Office  
(270) 745-3574 Fax

### **Degrees Offered**

#### **Master of the Arts**

Leadership Dynamics

### **Certificate Programs**

Leadership Studies

Women's Studies

## ***Center for Leadership Excellence***

Cecile Garmon, Director

[lead.stu@wku.edu](mailto:lead.stu@wku.edu)

<http://www.wku.edu/leadership/>

Cravens Library

(270) 745-8973 Office

(270) 745-5150 Fax

### **Graduate Faculty**

**Professors:** N. Speer

### **Master of Arts in Leadership Dynamics, Ref.# 0422**

Contact: Nevil Speer, Leadership Dynamics Director

The Masters of Arts in Leadership Dynamics is designed to meet needs of diverse students for professional training that is broadly based upon knowledge and research from business, economics, communication, organizational functioning, leadership principles, psychology, and political science. The program emphasizes application: students have the opportunity to develop and refine administrative knowledge and 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 advisor.)

### **Admission Requirements**

Students seeking admission to the MA in Leadership Dynamics have two options:

1. Submit GRE scores and meet GAP requirements, or
2. Submit GMAT scores of at least 400 and an overall undergraduate grade point average of 2.75/4.0.

### **Degree requirements—33 hours**

The program includes 21 hours of required courses and 12 hours of electives selected from three tracks. The program is a total of 33 hours.

#### *Required Core – 21 hours*

COMM 531 Global Leadership Communication

ECON 501 Survey/Economics

COMM 581 Applied Organizational Communication

EDFN 500 Research Methods

**OR** SOC 513 Methods of Social Research

LEAD 500 Effective Leadership Studies

LEAD 525 Leadership Ethics

LEAD 597 Capstone in Leadership Studies

*Choose one of the following tracks for 12 hours*

*Strategic Leadership Track: Students will learn the competencies necessary for strategic leadership in diverse settings.*

CNS 555 Social and Cultural Diversity

COMM 565 Communication and Conflict

LEAD 575 Special Topics in Leadership

Another course chosen from list of General Electives Track or Applied Administration Track

*Applied Administration Track: Students will gain an understanding of organizational administration and how to apply effective leadership practices.*

AMS 520 Resource Management

**OR** AMS 671 Quality Management

COMM 561 Multinational Business Communication

PS 440G Elements of Public Administration

Another course chosen from list of General Electives Track or Strategic Leadership Track

*General Elective Track*

ADED 611 Adult Development and Learning

BA 505 Survey of Accounting Principles

BA 592 Special Topics in Business

CNS 585 Leadership and Administration in Student Affairs

COMM 564 Crisis Communication

COMM 565 Communication and Conflict

COMM 586 Processes of Group Communication

COMM 587 Mediation and Negotiation in Intercultural Settings

GEOG 525 Advanced Political Geography

HCA 540 Health Care Organization and Administration

PS 538 Ethics and Bureaucracy

PS 541 Public Personnel Administration

*(Other electives may potentially be utilized within the degree program to meet specific student needs with prior approval of advisor.)*

The goal of the Leadership Studies Certificate Program is to provide an opportunity for students to study leadership theories, ethical and social responsibility issues, human relations and interpersonal communication, and critical thinking and decision making. Students will acquire the skills necessary for leadership in school systems, governmental agencies, for-profit businesses, and non-profit organizations. Students who complete a Leadership Studies Certificate are identified as possessing special understanding of and experiences at leadership development. They will be able to carry these characteristics into the various phases of their lives, including occupational, civic, social, political, and educational areas. Effective leadership is a necessary function in virtually every type of organization. Anyone who has an interest in leadership theory and practice should consider enrolling in this Western Kentucky University program.

## **Certificate in Leadership Studies, Ref. # 163**

Contact: Cecile Garmon, Leadership Studies Certificate Director

The Leadership Studies Certificate program provides an interdisciplinary academic graduate program through which students can enhance their understanding of leadership theory and practice while applying it directly toward their academic or professional area of interest. The academic requirements offer students a common basic curriculum of leadership theory at the graduate level (LEAD 500 – 3 credit hours) and practical application of that theory to a specialized area of interest to the student (LEAD 600-2 credit hours). Additionally, the program allows the student to choose three courses from a broad interdisciplinary selection of courses for a total of 14 credit hours. Substitutions for these courses may be made with consent of the advisor. LEAD 575 Leadership Special Topics may be substituted in any of the four categories, depending on the course topic. Students applying to Graduate Studies at WKU can elect to pursue the graduate Certificate in Leadership Studies either by itself or in conjunction with a graduate program in a selected specific discipline.

### **Certificate requirements—14 hours**

#### *Required Cores—5 hours*

- LEAD 500 Effective Leadership Studies (Normally first course in the series)
- LEAD 600 Capstone Leadership Experience or NURS 530 for MSN students only (Normally completed after the last leadership studies course)

#### *Electives*

Students will complete one course in each of the following categories:

#### *Ethics and Social Responsibility*

- ECON 434G The Economics of Poverty & Discrimination
- GEOG 580 Problems in Urban Geography
- HCA 544 Health Care Systems Design and Behavior
- HCA 555 Health Care Preparedness and Leadership
- NURS 501 Nursing Politics and Health Policy (2 hrs)
- AND** NURS 508 Adv Issues/Prof Nursing (1 hr)
- PH 447G Human Values and the Health Sciences
- PH 583 Public Health Administration
- PHIL 525 Ethics and Leadership
- PS 538 Ethics & Bureaucracy
- PSY 541 Professional Issues and Ethics in Psychology
- PSY 670 Equal Employment Opportunity, the Law, & Ethical Considerations
- WOMN 545 Theories of Gender, Race & Class

#### *Human Relations*

- BA 500 Management Dynamics
- BA 510 Organizational Theory
- BA 560 Contemporary Human Resource Management
- CNS 555 Social and Cultural Diversity
- COMM 561 Multinational Business Communication

COMM 564 Crisis Communication  
COMM 565 Communication & Conflict  
COMM 578 Seminar in Interpersonal Communication  
COMM 586 Processes of Group Communication  
ECON 595 Labor and Human Resource Economics  
EDAD 590 Administration of School Personnel  
HCA 542 Health Care Human Resources Administration  
HIST 505 Cultural Diversity in American History  
NURS 528 Leadership & Management in Nursing Administration  
PS 541 Public Personnel Administration  
PSY 571 Personnel Psychology  
PSY 572 Organizational Psychology  
SOCL 542 Health Services Human Resources Management  
WOMN 555 Feminist Methodologies & Global Perspectives

*Critical Thinking and Empirical Assessment*

BA 501 Survey of Economic Theory  
BA 511 Applied Microeconomic Theory  
BA 512 Problem Solving, Data Modeling, & Managerial Decisions  
COMM 502 Survey Methods of Research  
COMM 544 Persuasive Communication  
EDFN 500 Research Methods  
NURS 510 Graduate Nursing Research  
PH 501 Research Methods  
PH 591 Health Program Evaluation  
PS 545 Seminar in Public Policy Analysis  
PS 546 Public Policy Evaluation  
SOCL 513 Quantitative Methods of Social Research

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**Graduate Courses in Leadership Dynamics**

*All courses worth 3 credits unless otherwise noted.*

**LEAD 500** Effective Leadership Studies  
**LEAD 525** Leadership Ethics  
**LEAD 575** Leadership Special Topics  
**LEAD 597** Capstone in Leadership Studies  
**LEAD 600** Capstone Leadership Experience (1-6 credits)

## **Certificate in Women's Studies, Ref. # 161**

Jane Olmsted, Director  
[jane.olmsted@wku.edu](mailto:jane.olmsted@wku.edu)  
<http://www.wku.edu/womensstudies/>

Women's Studies Center  
1532 State Street  
(270) 745-6477 Office  
(270) 745-6861 Fax

### **Graduate Faculty**

**Professors:** J. Olmsted

**Assistant Professors:** K. Branham, M. Kerby

The purpose of the Graduate Certificate is to facilitate exploration of the rapidly expanding interdisciplinary scholarship in women's studies, thereby enriching WKU's current graduate curricula. Even in those classes that include scholarship on women, students often encounter it in a marginal way. The systematic focus of a certificate will remedy this situation and offer a credential that can be a substantial asset in the job market. Students' ability to articulate what they have learned about interdisciplinary scholarship as it pertains to gender, race, and class, will enhance their potential for success in their professions. An online version of the Certificate is available with core courses and some electives offered online in alternate years. Federal financial assistance is available for this program.

### **Certificate Requirements—15 hours**

The certificate requires 6 hours of core courses and 9 hours of electives, for a minimum of 15 hours. Those wishing to teach at the college level are encouraged to complete at least 18 hours.

#### *Required Core – 6 hours*

WOMN 545 Feminist Knowledge & Social Change  
WOMN 555 Global & Cross-Cultural Perspectives on Women

#### *Electives – 9 hours*

Students may take any three of the electives listed below, with the following stipulation: one of the three electives must be outside a student's primary discipline.

ENG 488G Literature of the Victorian Age  
ENG 496G Women's Poetry  
ENG 497G Women's Fiction  
ENG 579 Studies in Victorian Literature  
FLK 579 Foodways  
PH 464G Women's Health  
PSY 430G Psychology of Women  
HIST 446G American Legal History  
HIST 453G American Women's History  
SOCL 435G Family Violence

Additional electives, offered by the Women's Studies Program, appear in the list below. Faculty and students may make recommendations to include other courses at any time. All new courses are reviewed by the Women's Studies Curriculum Committee. Students should check with the Women's Studies Office for an updated list of electives.

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**Graduate Courses in Women's Studies**

*All courses worth 3 credits unless otherwise noted.*

**WOMN 421G** Women and Science

**WOMN 470G** Special Topics in Women's Studies

**WOMN 535** Roots of Feminism

**WOMN 545** Feminist Knowledge & Social Change

**WOMN 555** Global & Cross-cultural Perspectives on Women

**WOMN 575** Gender, Justice, and Sustainability

**WOMN 589** Internship in Women's Studies

**WOMN 590** Directed Study in Women's Studies

**WOMN 625** Women and Leadership



## ***Graduate Studies and Research***

Richard G. Bowker, Dean  
[graduate.studies@wku.edu](mailto:graduate.studies@wku.edu)  
<http://www.wku.edu/graduate>

Wetherby Administration Building 207  
(270) 745-2446 Office  
(270) 745-6950 Fax

### **Certificate Program**

Community College Faculty Preparation

## **Certificate in Community College Faculty Preparation, Ref. # 162**

Lisa Murrell, Director  
[graduate.studies@wku.edu](mailto:graduate.studies@wku.edu)

Wetherby Administration Bldg 207  
(270) 745-2446 Office  
(270) 745-6950 Fax

The Community College Faculty Preparation (CCFP) certificate program combines critical components to prepare students to enter community college teaching. These components include: a master's degree in a teaching discipline, a three-hour graduate course in adult teaching/learning psychology, a three-hour seminar on topics relevant for teaching in the community college, and a three-hour teaching experience/internship at a community college. A certificate will be awarded to the students who successfully complete these requirements.

The CCFP program will empower certificate holders to be more competitive for community college faculty positions and to advance more rapidly in fulfilling the new faculty role. Faculty and administrators from several community colleges contributed to the development of the program and continue to be involved in various aspects of the program.

### **Admission Requirements**

Participation in the CCFP program is optional to all graduate programs in the University. Graduate students may take courses as they approach the end of their master's degree or following completion of the master's degree. Application to the CCFP program is made in the Office of Graduate Studies.

### **Certificate Requirements—9 hours**

#### *Required Core—9 hours*

ADED 611 Adult Development and Learning  
EDFN 612 Seminar in Community College Teaching  
DEPT 589 Academic Discipline – Internship in Community College Teaching or  
Appropriate Departmental Internship\*

*\*Appropriate course will be determined by CCFP director and departmental faculty.*

## *Graduate Course Catalog*

- ADED 510 INTRO TO ADULT EDUCATION 3 hours**  
Prerequisite: EDFN 500. Co-requisite: ADED 520. Survey of principles, models and techniques of adult education. Topics will include history, philosophies, and theories of educational adults.
- ADED 520 METHODS FOR TEACHING ADULTS 3 hours**  
Prerequisite: EDFN 500. Co-requisite: ADED 510. Adult educational theories, models, and approaches and their use in practice.
- ADED 530 PROGRAM DEVELOPMENT FOR ADULTS 3 hours**  
Prerequisite: ADED 520. Program planning and development for adults in technical schools, colleges, workplace, and lifelong learning endeavors. Includes methods for designing, implementing, and evaluating programs and their objectives.
- ADED 540 PHIL & HISTORY OF ADULT ED 3 hours**  
Prerequisite: ADED 510. 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.
- ADED 590 PRACTICUM IN ADULT EDUCATION 1-3 hours**  
Prerequisite: Instructor Permission and completion of at least 18 hours in the Master of Arts in Education in Adult Education program, including all core requirements except Capstone. Restricted to students admitted to the MAE Adult Education program. Supervised practical experience related to adult education studies. Grading is pass-fail.
- ADED 597 DIRECTED STUDY IN ADULT ED 3 hours**  
Prerequisites: Restricted to students admitted to MAE-Adult Education; completion of at least 21 hours in the program, including all other core requirements. Permission of faculty supervisor required. Description: Directed study related to best practices in adult education. Requires completion of research or applied project on approved topic.
- ADED 598 ADULT EDUCATION SEMINAR 3 hours**  
Prerequisite: ADED 510. Issues in the field of Adult Education. Topics will vary with faculty and student interest.
- ADED 599 THESIS RESEARCH AND WRITING 1-6 hours**  
Prerequisites: Admission into the program. Permission of program director. Independent research on a topic related to Adult Education.
- ADED 611 ADULT DEVELOPMENT AND LEARNING 3 hours**  
Psychological factors affecting adult development, learning, and motivation. Emphasis on how diverse academic career/experiential backgrounds and objectives affect classroom environments, teaching strategies, and testing and evaluation.
- AFAM 480G IND STUDY/AFRICAN AMER 1-3 hours**  
Prerequisite: AFAM 190 or permission of instructor. 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.
- AFAM 490G AFRICAN AMER SEM 3 hours**  
Prerequisite: AFAM 190 or permission of instructor. Designed primarily for advanced students. This seminar will include topics dealing with the African American, present or past.
- AGEC 460G AGRICULTURAL POLICY 3 hours**  
Prerequisite: AGECE 360. The role of agriculture in the national economy; objectives of agricultural policy; appraisal and proposed agricultural programs; legislation for economics action.
- AGEC 461G ADV FARM MANAGEMENT 3 hours**  
Prerequisite: AGECE 361 or permission of instructor. Identification, analysis, and solution of problems of farm organization and operation. Case studies and field trips to situation farms in South Central Kentucky.
- AGEC 463G AGRICULTURAL FINANCE 3 hours**  
Prerequisite: AGECE 361 or permission of instructor. Farm finance problems including capital requirements, investment decisions, budgeting techniques, etc. Lending agencies and alternative means of acquiring capital.
- 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.
- AGEC 482G AGRIC RESOURCES/REC 3 hours**

Prerequisite: Upper division or instructors consent. Principles in developing physical facilities for various rural recreational enterprises are studied. Topics include enterprise selection, program planning, site selection, promotion financing, management and construction of facilities.

**AGEC 561 AG PROD ECONOMICS 3 hours**

Production and cost functions, programming and decision-making principles and their application to agriculture.

**AGEC 675 ADVANCED TOPICS AG ECON 3 hours**

**AGED 470G METH/TEACH/VOC AGRIC 3 hours**

Prerequisite: AGMC 170, or permission of instructor. Basic principles, design options, and economic considerations for hay and grain handling systems and for silage and manure systems. Field trips as needed.

**AGED 471G ORGANIZATION/PLAN AG EDU 3 hours**

Prerequisites: AGED 250 (EDU 250), EXED 330, AGRI 398, PYS 310, Admission to student teaching.

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.

**AGED 475G TOPICS IN AG EDUCATION 1-3 hours**

Prerequisite: Consent of instructor. Special topics acquaint advanced undergraduate students with scientific developments of current interest in agriculture. Appropriate topic titles are assigned. Lecture and assignments vary with credit. May be repeated with change in content.

**AGED 583 CURRIC DEVELOP/VOC AG 3 hours**

Principles of curriculum development, curriculum alignment, and assessment of content standards.

**AGED 584 PROG DEVEL/VOC AGRIC 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.

**AGED 589 IND SPEC PROB AGRIC EDUC 1-3 hours**

Supervised individual study in agricultural education. May be repeated to a maximum of 6 hours.

**AGED 675 ADV TOPICS IN AG EDUCATION 1-3 hours**

**AGMC 470G AG MATERIALS HANDLING 3 hours**

Prerequisite: AGMC 170 or permission of instructor. Basic principles, design options and economic considerations for hay handling systems, silage systems and grain handling systems are covered. Field trips as needed.

**AGMC 475G SELECT TOPIC AG MECH 1-3 hours**

Prerequisite: Consent of instructor.

Special topics acquaint advanced undergraduate students with scientific developments of current interest in agriculture. Appropriate topic titles are assigned. Lecture and assignments vary with credit. May be repeated with change in content.

**AGMC 675 ADVANCED TOPICS AG MECH 1-3 hours**

**AGRI 450G RURAL HLTH & SFTY 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.

**AGRI 473G CAVE & KARST ENVIRONMENT 3 hours**

Prerequisites: Biology 120/121 or equivalent. Discussion of biological diversity, groundwater and humanity's role in utilizing and conserving the unique features of karst areas and use of these areas in teaching. Not applicable to a major or minor in agriculture, biology or geography and geology. Cross listed with Biology and Geography.

**AGRI 475G SELECTED TOPICS/AGRIC 1-3 hours**

Prerequisite: Permission of instructor. Special topics on significant problems and scientific developments of current interest in agriculture. Lecture and assignments are variable with credit. May be repeated with change in content.

**AGRI 491G DATA ANALYSIS/INTERPRET 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.

**AGRI 528 POPULATION GENETICS 3 hours**

Prerequisites: BIOL 327 and AGRI 491 or equivalent. Application of genetic and statistical concepts to populations of plants and domestic animals.

**AGRI 590 EXPERIMENTAL DESIGN 3 hours**

Prerequisite: AGRI 491 or permission of instructor. Statistical consideration in experimental design; covariance, multiple regression, factorial design, and incomplete block designs.

**AGRI 597 IND SPEC PROB/AGRIC 1-3 hours**

Prerequisite: Permission of instructor. Supervised individual study in agriculture. May be repeated to a maximum of 9 hours.

**AGRI 598 SEMINAR 1 hour**

Problems and research in agriculture. Required of all graduate students. Repeated for a minimum of 3 hours.

**AGRI 599 THESIS RESEARCH/WRITING 1-6 hours (6 total)**

**AGRI 600 MAINTAIN MATRICULATION 1-6 hours**

**AGRI 675 ADV TOPICS/AGRIC 1-3 hours**

Prerequisite: Permission of instructor. Issues and scientific developments of current interest. May be repeated to a maximum of 10 hours with different topics.

**AGRO 409G WEED SCIENCE 2 hours**

Corequisite: AGRO 410G. Prerequisite: BIOL 120 and AGRO 110; CHEM 105 and 107 or equivalent.

Identification of prominent weed species; relationship of weeds to crop production problems; physical and chemical control measures.

**AGRO 410G WEED SCIENCE LAB 1 hour**

Corequisite: AGRO 409G. A laboratory course correlated with AGRO 409G.

**AGRO 414G CROP IMPROVEMENT 3 hours**

Prerequisites: Six hours of plant science and upper division or graduate standing. Identification, development, and utilization of genetic differences in the improvement of cultivated plants.

**AGRO 420G FORAGE CROPS 2 hours**

Corequisite: AGRO 421G. Prerequisite: AGRO 110, 350 and BIOL 120. Distribution, improvement, morphology, culture, harvesting and utilization of forage crops are presented.

**AGRO 421G FORAGE CROPS LABORATORY 1 hour**

Corequisite: AGRO 420G. A laboratory course correlated with AGRO 420G. Laboratory, two hours.

**AGRO 422G FIELD CROPS 3 hours**

Prerequisite: AGRO 110, 350, and BIOL 120 or permission of instructor. Distribution, improvement, morphology, culture, harvesting, and utilization of field crops are presented. Lecture, three hours.

**AGRO 451G SOIL MANAGEMENT 3 hours**

Prerequisites: AGRO 350, AGRO 351 and AGECE 361, or permission of instructor. Evaluation of characteristics which determine the productive potential of soils and the prevailing climate to maximize production or net income.

**AGRO 452G SOIL MICROBIOLOGY 3 hours**

Prerequisites: AGRO 350 and BIOL 207, 208. Soil microbial populations and systems and their influence on plant nutrition. Soil organic matter, its decomposition and associated microorganisms; oxidation-reduction process; nitrogen fixation.

**AGRO 454G SOIL MGMT & CONSERV 3 hours**

Prerequisite: AGRO 350. 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.

**AGRO 455G SOIL CHEMISTRY 2 hours**

Corequisite: AGRO 456G. Prerequisite: AGRO 350. Analytical techniques used in soil chemistry and soil fertility studies, nutrient determination; colloidal systems; chemical properties related to plant nutrition.

**AGRO 456G SOIL CHEMISTRY LAB 1 hour**

Corequisite: AGRO 455G. A laboratory course correlated with AGRO 455G.

**AGRO 457G SOIL FORM/CLASS/MAP 2 hours**

Corequisite: AGRO 458G. Prerequisite: AGRO 350. Soil origin; classification schemes; profile description, mapping and interpretation of soil survey information are discussed, emphasizing Kentucky soils.

**AGRO 458G SOIL FORM/CLASS/MAP LAB 1 hour**

Corequisite: AGRO 457GA laboratory course correlated with AGRO 457G.

**AGRO 475G TOPICS AGRONOMY 1-3 hours**

Prerequisite: Consent of instructor. Special topics acquaint advanced undergraduate students with scientific developments of current interest in agriculture. Appropriate topic titles are assigned. Lecture and assignments vary with credit. May be repeated with change in content.

**AGRO 521 PASTURE MANAGEMENT 3 hours**

Prerequisites: AGRO 420/421 and ANSC 448 or permission of instructor. Development of pastures, physiological principles related to forage production, pasture management, and preservation and use of conserved forages.

**AGRO 551      ADVANCED SOIL FERTILITY**

**3 hours**

Prerequisite: AGRO 352 or permission of instructor. Evaluation of soil fertility and fertilizers; soil-plant relationships; composition and properties of soil in relation to ion intake, nutrition and growth of plants.

**AGRO 675      ADV TOPICS AGRONOMY**

**1-3 hours**

**AMS 505      ARCHITECTURAL DESIGN STUDIO**

**6 hours**

Prerequisite: Graduate Standing. A study of the built environment including both exterior and interior design features. Student is required to identify a project and present their design portfolio to a panel of jurors.

**AMS 510      EMERGING TECHNOLOGIES**

**3 hours**

Discovery of powerfully disruptive technologies, evaluating them accurately and implementing change for profitability.

**AMS 520      RESOURCE MANAGEMENT**

**3 hours**

A comprehensive study of efficient allocation of materials and money. Includes review of basic decision-making techniques, cost-benefit ratio analysis, depreciation, salvage value of equipment, and time value of money.

**AMS 525      INDUSTRIAL RESOURCE ALLOCATION**

**3 hours**

A comprehensive study of efficient allocation of resources. Topics related to manufacturing operation analysis with emphasis on efficient and practical techniques for estimating costs based on existing relationships among inflation, labor, material, forecasting, and activity.

**AMS 530      AUTO DATA COLLECTION SYS**

**3 hours**

Information systems for industry; collecting and analyzing real time data to make production decisions regarding profitability and quality.

**AMS 535      WORKFORCE DEVELOPMENT**

**3 hours**

Strategies for developing educational opportunities for personnel in industry and appropriate appraisal techniques for program improvement. Includes 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.

**AMS 571      RESEARCH METH IN TECH MANG**

**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.

**AMS 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.

**AMS 590      OPERATIONS LEADERSHIP**

**3 hours**

Provides technical professionals with leadership and management skills needed to be effective throughout their career.

**AMS 599      THESIS RESEARCH AND WRITING**

**1-6 hours (6 total)**

**AMS 600      MAINTAINING MATRICULATION**

**1-6 hours**

**AMS 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.

**AMS 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.

**AMS 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.

**AMS 671      QUALITY MANAGEMENT**

**3 hours**

An examination of philosophies, concepts, tools and techniques used in continuous quality improvement programs. Non-Thesis Option.

**AMS 690      GRADUATE PROJECT**

**1-6 hours**

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.

**ANSC 437G      PHYSIOLOGY/REPRODUCTION**

**2 hours**

Corequisite: ANSC 438G Prerequisite: AGRI 140 and BIOL 120. Endocrinology and physiology of reproductive systems; anatomical physiology and biochemical bases of reproduction, artificial insemination, synchronized estrus and related topics are presented.

**ANSC 438G PHYSIOLOGY/REPRO LAB 1 hour**

Corequisite: ANSC 437G. A laboratory course correlated with ANSC 437G. Laboratory, two hours.

**ANSC 446G ANIMAL BREEDING 2 hours**

Corequisite: ANSC 447G Prerequisite: ANSC 140 and BIOL 120. 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.

**ANSC 447G ANIMAL BREEDING LAB 1 hour**

Corequisite: ANSC 446G A laboratory course correlated with ANSC 446.

**ANSC 448G FEEDS FEEDING PRACTICES 1-4 hours**

Prerequisites: ANSC 345 or permission of instructor. 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.

**ANSC 449G LAB METHODS ANIMAL NUTRI 3 hours**

Prerequisite: ANSC 448. Laboratory methods for determining major minerals and vitamins in feeds, proximate analysis of feeds, products of fermentation, feed residues and contamination.

**ANSC 475G SELECTED TOPICS 1-3 hours**

Prerequisite: Consent of instructor.

Special topics acquaint advanced undergraduate students with scientific developments of current interest in agriculture. Appropriate topic titles are assigned. Lecture and assignments vary with credit. May be repeated with change in content.

**ANSC 533 PHYSIOLOGY OF LACTATION 3 hours**

Prerequisite: ANSC 344. 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.

**ANSC 545 RUMINANT NUTRITION 3 hours**

Prerequisite: ANSC 345, BIOL 446, or equivalent, or permission of instructor. Rumen development and function, products of fermentation, nutrient requirements, absorption and metabolism, symptoms of deficiency and toxicity.

**ANSC 546 ADV ANIMAL BREEDING 3 hours**

Prerequisites: ANSC 446 and AGRI 528, or permission of instructor. 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.

**ANSC 547 ADV ANIMAL NUTRITION 3 hours**

Prerequisite: ANSC 345, BIOL 446 or equivalent, or permission of instructor. The nutrient requirements of the monogastric animals, structure, metabolism and function of each nutrient class, interrelationship of the nutrient classes, deficiency and toxicity symptoms.

**ANSC 675 ADV TOPICS IN ANIMAL SCI 1-3 hours**

**ANTH 431G FIELD COURSE IN ARCHAEOLOGY 1-4 hours**

Includes archaeological survey, site mapping, artifact recovery, recording, and cataloging. Work is usually conducted on prehistoric Indian sites.

**ANTH 432G FLD CRSE IN ARCH 1-9 hours**

Prerequisite: ANTH 130 or consent of instructor. 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. May be repeated for a maximum of nine hours of credit.

**ANTH 434G GRAVEYARD ARCHAEOLOGY 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.

**ANTH 436G APPLIED ARCHAEOLOGY 3 hours**

Examines contract archaeology and public archaeology within the context of cultural resource management, emphasizing legal mandates, field methods, public education programs, and ethical considerations.

**ANTH 448G VISUAL ANTHROPOLOGY 3 hours**

Prerequisite: Junior level or higher. 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.

**ANTH 449G ETHNOGRAPHIC VIDEO PRODUCTION 3 hours**

Prerequisite: ANTH 448G or Permission of instructor. 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. This course will involve a small lab fee.

**ANTH 493G ARCHAEOLOGY STEWARDSHIP 3 hours**

Prerequisites: Course pass, ANTH 130, 6 additional credits in anthropology and graduate standing. Field monitoring of local archaeological sites threatened by cultural and natural formation processes. Travel to field sites required.

**ANTH 495G DIRECTED STUDY 1-4 hours**

Prerequisite: Junior standing and consent of department head. Course pass required. 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. May be repeated for a maximum of 8 hours of credit.

**ART 401G ART/ITAL 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.

**ART 405G ART THEORY/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.

**ART 411G FOUNDATIONS OF ART ED AND METHODS II 3 hours**

Prerequisites or Corequisites: ART 311, PSY 510, EXED 516 or instructor permission. Prerequisite: ART 311 or equivalent or instructor permission. 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. Students are responsible for arranging their own transportation to designated or assigned sites.

**ART 413G FOUNDATIONS OF ART ED AND METHODS III 3 hours**

Prerequisites: ART 411G Long-term curriculum design, assessment, and classroom management methods, appropriate for visual arts instruction in secondary schools. Field experience is required. Students are responsible for arranging their own transportation to designated or assigned sites.

**ART 420G CERAMICS 3 hours**

Prerequisite: ART 321. A continuation of production in clay form and research in experimental clay and glaze composition.

**ART 421G CERAMICS 3 hours**

Prerequisites: ART 420. This course requires advanced individual performance in creative design concepts and in research and recording.

**ART 422G CERAMICS 3 hours**

Prerequisite: ART 421. This course is a continuation of ART 421.

**ART 440G DRAWING 3 hours**

Prerequisite: ART 341. Advanced drawing explorations through individual problem solving.

**ART 450G PRINTMAKING 3 hours**

Prerequisite: ART 351. Stresses advanced printmaking techniques and requires students to have strong personal imagery.

**ART 451G PRINTMAKING 3 hours**

Prerequisite: ART 450. Corequisite: Art 452. Printmaking exploration through research and creative activity.

**ART 452G PRINTMAKING 3 hours**

Corequisite: ART 451. This course consists of advanced research problems in printmaking.

**ART 460G PAINTING 3 hours**

Prerequisite: ART 361. Research problems in selected painting materials are provided in this course.

**ART 461G PAINTING 3 hours**

Prerequisite: ART 460. This course consists of advanced individual research problems in painting.

**ART 462G PAINTING 3 hours**

Prerequisite: ART 461. This course is a continuation of 461 Painting.

**ART 470G SCULPTURE 3 hours**



Prerequisite: ART 371. Sculptural problems. Introduction to metal casting using sand molds.		
<b>ART 471G</b>	<b>SCULPTURE</b>	<b>3 hours</b>
Prerequisites: ART 371 and 372. Sculptural problems. Introduction to the lost-wax method of casting.		
<b>ART 472G</b>	<b>SCULPTURE</b>	<b>3 hours</b>
Prerequisites: ART 471. Experience in solving problems met in professional practice.		
<b>ART 480G</b>	<b>WEAVING</b>	<b>3 hours</b>
Prerequisite: ART 381. This course consists of creative research in the areas of double-weave, ikat, the use of indigenous fibers and other more complicated techniques.		
<b>ART 481G</b>	<b>WEAVING</b>	<b>3 hours</b>
Prerequisite: ART 480. This course provides for the development of special creative problems involving techniques investigated in Weaving 480.		
<b>ART 482G</b>	<b>WEAVING</b>	<b>3 hours</b>
Prerequisite: ART 481. This course involves advanced individual research in weaving.		
<b>ART 490G</b>	<b>SPECIAL PROBLEMS</b>	<b>3-6 hours</b>
Independent course work done on an individual basis under the guidance of a selected faculty member.		
<b>ART 491G</b>	<b>SPECIAL STUDIES</b>	<b>3 hours</b>
Independent course work done on an individual basis under the guidance of a selected faculty member.		
<b>ART 496G</b>	<b>STUDIO ART TOPIC</b>	<b>3 hours</b>
Prerequisite: Permission of instructor. Investigates different topics in art through process or technique in a studio practice. May be repeated for a total of 6 credit hours.		
<b>ART 500</b>	<b>EARLY MEDIEVAL ART</b>	<b>3 hours</b>
Examination of topics and problems in Early Christian, Byzantine, Migration, Carolingian, and Ottonian art.		
<b>ART 501</b>	<b>ROMANESQUE/GOTHIC ART</b>	<b>3 hours</b>
Directed individual research into the architecture, sculpture, and illuminated manuscripts of Western Europe during the eleventh to early sixteenth centuries.		
<b>ART 511</b>	<b>IND INVESTIGATION/ART ED</b>	<b>3 hours</b>
Independent study in art curriculum and methodology, with emphasis on the literature, selected art history, and studio areas.		
<b>ART 512</b>	<b>IND INVESTIGATION/ART ED</b>	<b>3 hours</b>
Independent study in art curriculum and methodology (including art history and studio). Emphasizes the use of surveys, observations, and experimental techniques.		
<b>ART 520</b>	<b>CERAMIC ART</b>	<b>3 hours</b>
Advanced levels of clay forming techniques and clay glaze composition. Research in various phases of the ceramic process.		
<b>ART 540</b>	<b>DRAWING</b>	<b>3 hours</b>
Independent study utilizing traditional methods of drawing. Students are encouraged to investigate and utilize new directions.		
<b>ART 550</b>	<b>PRINTMAKING</b>	<b>3 hours</b>
Independent study utilizing traditional methods of printmaking. Encourages the exploration of new directions in personal expression.		
<b>ART 560</b>	<b>PAINTING</b>	<b>3 hours</b>
Advanced aspects of painting, with emphasis on experimentation in different styles and on individualized approaches.		
<b>ART 570</b>	<b>SCULPTURE</b>	<b>3 hours</b>
Independent study and experimentation in sculpture.		
<b>ART 580</b>	<b>WEAVING</b>	<b>3 hours</b>
Individual study of weaving utilizing traditional and experimental techniques: the production of works that are highly individualistic and are of exhibition quality.		
<b>ART 590</b>	<b>WORKSHOP IN ARTS &amp; HUM EDUC</b>	<b>3 hours</b>
Integrated arts and humanities curriculum development in P-12 settings. May be repeated once on a different theme for credit.		
<b>ART 591</b>	<b>INVESTIGATION/ART HIST</b>	<b>3 hours</b>
Topics and approaches for special areas of interest. Emphasis on the traditional periods of art history.		
<b>ART 599</b>	<b>THESIS RESEARCH/WRITING</b>	<b>1-6 hours</b>
<b>ART 600</b>	<b>MAINTAIN MATRICULATION</b>	<b>1-6 hours</b>
<b>ASTR 405G</b>	<b>ASTRONOMY/TEACHERS</b>	<b>3 hours</b>



- BA 533 MANAGING DATABASE APPLI 3 hours**  
Prerequisite: BA 503 or the equivalent. Theories and concepts employed in database management systems and the efficiencies and economics of such systems. Topics include the design and building of relational databases, information storage and retrieval, structured query language (SQL), and the development of database queries.
- BA 534 ELECTRONIC COMMERCE 3 hours**  
Prerequisite: BA 503 or the equivalent. Focuses on the current issues of performing business electronically. Topics include web page development, the Internet as an infrastructure, electronic payments and funds transfer, on-line advertising, mobile computing and security issues.
- BA 535 INTRNL ACCTG FOR MGT DEC MAKING 3 hours**  
Prerequisites: BA505 or equivalent. A comprehensive examination from a user perspective of current issues in international accounting and financial reporting.
- BA 540 APPLIED STATISTICAL METHODS 3 hours**  
See ECON 506.
- BA 541 SURVEY OF PUBLIC FINANCE 3 hours**  
See ECON 581.
- BA 542 INTERNATIONAL ECONOMICS 3 hours**  
See ECON 591.
- BA 543 FORECASTING 3 hours**  
See ECON 594.
- BA 544 LABOR AND HUMAN RES ECON 3 hours**  
See ECON 595.
- BA 550 BANK MANAGEMENT 3 hours**  
Prerequisite: Admission to the MBA Program and completion or waiver of BA 509. A comprehensive analysis of issues involving the financial management of financial institutions. Emphasis on financial decision making focusing on such issues as asset/liability management, balance sheet management, and the management of risk/return tradeoffs in financial intermediaries, especially commercial banks.
- BA 551 INVESTMENTS/PORTFOL MGT 3 hours**  
Prerequisite: Admission to the MBA program and a completion or waiver of BA 509. 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.
- BA 552 INTERNATIONAL FINANCE 3 hours**
- BA 560 HUMAN RESOURCES MGT 3 hours**  
Prerequisite: Graduate standing. 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.
- BA 571 SERVICES MARKETING 3 hours**  
Prerequisite: BA 507 or the equivalent. Focuses on the marketing of intangible products by discussing strategic implications for marketing mixes (product, price, place, and promotion) and consumer perceptions and expectations.
- BA 572 CONSUMER BEHAVIOR 3 hours**  
Prerequisite: BA 507 or the equivalent. Examines theories and concepts associated with consumer decision making for products and services. Emphasis placed on the development of marketing strategies which will satisfy consumer wants and needs.
- BA 573 INTERNATIONAL BUSINESS 3 hours**  
Prerequisites: BA 507 and 509. Institutions, organizations, and procedures of international business. Emphasizes problems and decision-making techniques.
- BA 579 SUPPLY CHAIN MANAGEMENT 3 hours**  
Pre-requisite: BA 503 and 506 or BA 540. Integrates an organization's operations planning and control with suppliers and distributors through sharing information, managerial and technical talents.
- BA 580 CONTEMPORARY ISSUES 1-3 hours**  
Emphasizes issues pertinent to an understanding of today's business environment. Topics embrace the cross-functional, global, and technical aspects of business. May be repeated for credit.
- BA 590 STR BUS CONCEPTS & APPS 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.

<b>BA 592</b>	<b>SPECIAL TOPICS IN BUS</b>	<b>3 hours</b>
<b>BA 751</b>	<b>STRAT LEAD</b>	<b>3 hours</b>
Corequisite: EDLD 730 Prerequisite: EDLD 700 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.		
<b>BA 752</b>	<b>LEAD CHANGE</b>	<b>3 hours</b>
Corequisite: EDLD 730 Prerequisite: EDLD 700 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. This course explicitly links theoretical concepts, models and processes of leadership and change with the intended purpose of change and its resulting outcomes.		
<b>BA 753</b>	<b>OB TOPICS</b>	<b>3 hours</b>
Corequisites: EDLD 710 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.		
<b>BA 754</b>	<b>BUDGETS AND FINANCE</b>	<b>3 hours</b>
Corequisites: EDLD 710 Prerequisites: EDLD 700 This course is designed to improve understanding of strategic planning, implementation, and performance measurements in public and nonprofit organizations. Although they 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.		
<b>BE 463G</b>	<b>INFORMATION RESRCES MGT</b>	<b>3 hours</b>
<b>BE 471G</b>	<b>OFFICE INTERNSHIP</b>	<b>3 hours</b>
Prerequisite: Permission of the coordinator. Office Internship is 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.		
<b>BE 485G</b>	<b>OFFICE EMPLOYEE TRAINING</b>	<b>3 hours</b>
Theories of learning applied to the adult learner in training and development situations; developing, managing, and staffing training and development programs; training materials creation and evaluation; facilities and media; and applications for administrative, professional, support, and office systems employees.		
<b>BE 540</b>	<b>CONSUMER FINANCIAL PROBS</b>	<b>3 hours</b>
Basic elements of money management and the relationship of these elements to family units and corporate citizenship.		
<b>BE 544</b>	<b>IND PROBLEMS IN BUS EDUC</b>	<b>3 hours</b>
Current problems and significant research. Also offered as independent study or workshop. (May be repeated by Business Education Majors.)		
<b>BE 545</b>	<b>PRINCIPLES OF BUS EDUC</b>	<b>3 hours</b>
Principles, practices, problems, and philosophy includes standards, guidance, and curricula.		
<b>BE 575</b>	<b>ADMIN/SUPERVIS BUS EDUC</b>	<b>3 hours</b>
Roles and functions of administration and supervision at all educational levels. Includes vocational education laws and their relationship to business education.		
<b>BIOL 400G</b>	<b>PLANT PHYSIOLOGY</b>	<b>4 hours</b>

Prerequisites: BIOL 120/121, and two semesters of chemistry. 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.

**BIOL 403G MOLECULAR BASIS OF CANCER 3 hours**

Prerequisites: BIOL 319/322 or equivalent course. 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.

**BIOL 404G ELECTRON MICROSCOPY 4 hours**

Prerequisites: BIOL 222/223, 224/225 or permission of instructor. 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.

**BIOL 405G AQUATIC INSECT DIVERSITY 2/4 hours**

Prerequisite: Graduate Standing The taxonomy and biology of the insects commonly encountered in freshwater habitats.

**BIOL 407G VIROLOGY 3 hours**

Prerequisites: BIOL 150 or BIOL 319/ 322. Study of bacterial, animal and plant viruses. Emphasis on the molecular aspects of replication, expression, regulation and pathogenesis. Lecture, three hours.

**BIOL 411G CELL BIOLOGY 3 hours**

Prerequisites: BIOL 319/322 or consent of instructor.

**BIOL 412G LAB CELL BIOLOGY 1 hour**

**BIOL 415G ECOLOGICAL METHODS 3 hours**

Prerequisite: BIOL 315 or permission of instructor. A course emphasizing the collection, manipulation and analysis of ecological data using a variety of techniques in aquatic and terrestrial habits. Lecture, one hour; laboratory, four hours.

**BIOL 430G EVOLUTION: THEORY & PROCESS 3 hours**

Prerequisite or corequisite: BIOL 327 or permission of instructor. Study of the genetic, behavioral and ecological mechanisms leading to evolutionary change, and the role of evolutionary theory as a unifying framework in biology.

**BIOL 446G BIOCHEMISTRY I 3 hours**

Prerequisite: CHEM 314 or 340. Biochemical compounds and their role in metabolism.

**BIOL 447G LAB BIOCHEMISTRY I 2 hours**

Prerequisite or corequisite: BIOL/CHEM 446. Selected experiments which illustrate biochemical principles. Five hours per week.

**BIOL 450G RECOMBINANT GENE TECH 3 hours**

Prerequisite: BIOL 350 and BIOL 446. 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.

**BIOL 456G ICHTHYOLOGY 4 hours**

Prerequisites: BIOL 224/225, and permission of instructor. 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.

**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.

**BIOL 459G MAMMALOLOGY 3 hours**

Prerequisites: BIOL 120/121. 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.

**BIOL 460G PARASITOLOGY 4 hours**

Prerequisites: BIOL 224/225. The morphology, physiology, life histories, control and economic significance of representative species. Lecture, two hours; laboratory, four hours.

**BIOL 467G BIOCHEMISTRY II 3 hours**

Prerequisite: BIOL/CHEM 446. The reactions of living systems and an introduction to the mechanisms and energetics of metabolism. Lecture.

**BIOL 470G PATHOGENIC MICROBIOLOGY 4 hours**

Prerequisites: BIOL 226/227, or permission of instructor. 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.

**BIOL 472G APPLIED & ENVIRON MICRO 4 hours**

Prerequisites: BIOL 226/227, or consent of instructor. The study of the roles of microorganisms in food preservation, fermentation, spoilage, and food intoxication. Production of microbial products of industrial interest; application of modern microbiological techniques to industrial processes; interrelationships between micro-organisms and their environment. Lecture, three hours; laboratory, two hours.

**BIOL 473G CAVE & KARST ENVIRONMENT 3 hours**

Prerequisites: BIOL 120/121 or equivalent. Discussion of biological diversity, groundwater and humanity's role in utilizing and conserving the unique features of karst areas and use of these areas in teaching. Course does not count toward the M.S. Options.

**BIOL 475G IND TOPICS/BIOLOGY 1-3 hours**

Significant problems and developments of current interest in biology.

**BIOL 483G MULTIVARIATE METH/BIOL 4 hours**

Prerequisites: Junior standing and a course in statistics, or permission of instructor. Application of multivariate statistical analysis techniques to problems in the biological sciences. Principal component and factor analysis, canonical discriminant analysis, correspondence analysis, distance metrics and clustering, canonical correlation, repetitive sampling, randomization. Not a course in mathematical statistics; rather, emphasis is on experimental design, selection of appropriate methods for testing particular hypotheses, and the analysis of real data. Lecture, three hours; laboratory, two hours.

**BIOL 485G LAB FIELD BIOLOGY 3 hours**

An intensive field experience on a specific biological topic, preceded and followed by introductory and evaluative sessions.

**BIOL 490G PLANTS AS ALTERNATIVE THERAPEUTICS 3 hours**

Prerequisite: Consent of instructor. An exploration of plants used traditional in systems of medicine with an 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.

**BIOL 495G MOLECULAR GENETICS 3 hours**

Prerequisite BIOL 450G. A study of the molecular basis of genetics and heredity of prokaryotic and eukaryotic organisms. Lecture, three hours.

**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.

**BIOL 497G AQUATIC FIELD ECOLOGY 4 hours**

Prerequisites: BIOL 222/223; 224/225; CHEM 222/223. Physical, chemical and biological aspects of bodies of fresh water with emphasis upon water as a biological environment.

**BIOL 500 INTRO TO GRAD STUDY AND RES 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.

**BIOL 501 BIOLOGICAL PERSPECTIVES 1-4 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.

**BIOL 503 CONTEMP RESEARCH/BIOLOGY 1 hours**

Prerequisite: Admission to biology graduate program. 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. The course may be taken as often as wished but only once for credit toward a degree program.

**BIOL 505 AQUATIC INSECT ECOLOGY 2 hours**

Prerequisite: Graduate standing or permission of instructor. Ecological functions, evolutionary adaptations, and indicators of environmental quality of aquatic insects.

**BIOL 506 ENVIRONMENTAL SEMINAR 1 hour**

Designed for future environmental practitioners, this course will provide real world examples of environmental jobs and research projects. The course will impart a broad understanding of environmental science from a

multi-disciplinary perspective. Required for the MS Environmental Science emphasis degrees. Repeatable twice for a maximum of three credit hours.

**BIOL 507 SCIENCE CONCEPTS ELEM 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.

**BIOL 515 ADV ECOLOGY 3 hours**

Prerequisite: BIOL 315 or consent of instructor. 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. Lecture, three hours.

**BIOL 516 INVESTIGATIONS/BIOLOGY 1-3 hours**

Prerequisite: Permission of research project director. Research project completed under faculty supervision. Not applicable to MS thesis option.

**BIOL 518 POPULATION ECOLOGY 2 hours**

Prerequisites: Permission of instructor. 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.

**BIOL 519 INTL WILDLIFE MANAGEMENT AND POLICY 2 hours**

Prerequisites: Permission of instructor. 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.

**BIOL 522 SYSTEMATICS AND EVOLUTION 4 hours**

Prerequisites: BIOL 430 or consent of instructor. 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. Lecture, three hours; laboratory, two hours.

**BIOL 524 EVOL/ECOL GENETICS 3 hours**

Prerequisites: BIOL 327 and 430 or consent of instructor. 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.

**BIOL 526 PHYSIOL ECOL 3 hours**

Prerequisites: BIOL 330 or consent of instructor. Study of the physiological adaptations of animals that enhance their survival and/or permit them to exploit extreme environments. Lecture, three hours.

**BIOL 530 ANIMAL BEHAVIOR 4 hours**

**BIOL 535 ANALYTICAL BIOCHEMISTRY 3 hours**

Prerequisites: BIOL 446/G or CHEM 446/G or consent of instructor. An overview of the science of modern analytical and instrumental techniques with emphasis on techniques relevant to measurements in biochemistry and biology.

**BIOL 543 ENVIRONMENTAL SCI 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.

**BIOL 550 INTRO BIOLOGICAL APPLICATIONS IN HLS 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.

**BIOL 552 BIOLOGICAL APPLICATIONS IN HLS I 3 hours**

Corequisite: BIOL 553 Prerequisites: BIOL 550 or permission of instructor. An advanced study of biological phenomena relevant to Homeland Security Concerns. Biol Apps to HLS I will 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. Also, the immune response to infectious disease will be covered in depth with special attention toward understanding the functionality of the antibody.

**BIOL 553 LAB: BIOLOGICAL APPLICATIONS IN HLS I 1 hour**

Corequisite: BIOL 552 Prerequisites: BIOL 550 or equivalent. The laboratory will provide students with knowledge in laboratory safety and manipulation, identification, and enumeration of microbial and viral cultures.

<b>BIOL 555</b>	<b>LAB: BIOLOGICAL APPLICATIONS IN HLS II</b>	<b>1 hours</b>
Corequisite: EH 572. Prerequisite: BIOL 552/553 or permission of instructor. The laboratory will provide students with knowledge in laboratory immunological methodologies and analytical methods in DNA forensics.		
<b>BIOL 560</b>	<b>ADVANCED CELL BIOLOGY</b>	<b>3 hours</b>
Prerequisite: BIOL 411 or equivalent. 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.		
<b>BIOL 562</b>	<b>ADV BIOCHEMISTRY</b>	<b>3 hours</b>
Prerequisites: BIOL/CHEM 446 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. Lecture, three hours.		
<b>BIOL 566</b>	<b>ADV MOL GENET</b>	<b>3 hours</b>
Prerequisites: BIOL 495 or consent of instructor. Consideration of the molecular mechanisms for replication, gene expression and regulation of development.		
<b>BIOL 568</b>	<b>ADV MICRO BIOLOGY</b>	<b>3 hours</b>
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.		
<b>BIOL 569</b>	<b>PROF WORK/BIOLOGY</b>	<b>3 hours</b>
Practical experience in a supervised work situation with a cooperative business, industry, or governmental agency, emphasizing application of advanced knowledge and skills in specified areas of biology.		
<b>BIOL 570</b>	<b>ADVANCED IMMUNOLOGY</b>	<b>3 hours</b>
Prerequisites: BIOL 328 or consent of instructor. Cellular, biochemical, and molecular mechanisms of the immune response of multicellular organisms. Emphasis is on current scientific literature in the field.		
<b>BIOL 577</b>	<b>ADVANCED MARINE BIOLOGY</b>	<b>3 hours</b>
Prerequisite: Graduate standing. 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.		
<b>BIOL 587</b>	<b>ENVIRONMENTAL LAW</b>	<b>3 hours</b>
An introduction to major environmental legislation for air, water, toxic and hazardous pollutants, and related legislative, administrative, and judicial developments. A broad overview of legal practices focused on specific regulatory programs.		
<b>BIOL 589</b>	<b>INTERNSHIP/BIOLOGY</b>	<b>3 hours</b>
Practical experience in a supervised work situation with a cooperative business, industry, or governmental agency, emphasizing application of advanced knowledge and skills in specified areas of biology.		
<b>BIOL 598</b>	<b>GRADUATE SEMINAR</b>	<b>2 hours</b>
Oral presentation on selected topics in biology.		
<b>BIOL 599</b>	<b>THESIS RESEARCH/WRITING</b>	<b>1-6 hours (6 total)</b>
<b>BIOL 600</b>	<b>MAINTAIN MATRICULATION</b>	<b>1-6 hours</b>
<b>BIOL 601</b>	<b>INTERNSHIP/COLLEGE INSTR</b>	<b>1 hour</b>
Designed for prospective teachers of biology. Staff direction in preparing and giving lectures. Includes analyses of presentation and techniques. May be repeated.		
<b>BIOL 675</b>	<b>IND ADV TOPICS/BIOLOGY</b>	<b>1-3 hours</b>
Selected topics in Biology.		
<b>CD 481G</b>	<b>SPEECH &amp; LANGUAGE DEVELOPMENT</b>	<b>3 hours</b>
Introduction to comprehensive child development (Birth 5-yrs). Topics include development of play, cognition, socialization, and emerging literacy as well as language. Language topics include development of phonology, pragmatics, semantics, syntax, and metalinguistics. Provides a foundation in understanding total child development emphasizing language acquisition.		
<b>CD 483G</b>	<b>ARTICULATION DISORDERS</b>	<b>3 hours</b>
Prerequisites: CD 280, 290, 405, Jr. status. Study of the etiology, evaluation, and management of phonological process proficiency in children. Includes dialectal and bilingual differences. Stresses proficiency in administering protocols and planning therapy using several approaches.		
<b>CD 484G</b>	<b>SPEECH ANATOMY/PHYSIOLOGY</b>	<b>3 hours</b>



Designed to help students identify the structures and functions which comprise the speech and hearing mechanism. The relation of this mechanism to the production and development of speech and language will be addressed.

- CD 485G      DIAG PROCEDURES COMM DIS      3 hours**  
Prerequisites: CD 280, 290, 347, 381, 405, 481, 484, Sr. status. Focus on assessment using standardized and nonstandardized screening and diagnostic instruments. Development of formal and informal evaluation techniques common to speech pathology/audiology. Overview of data gathering and interpretation regarding communication functions in persons of all ages. Includes multicultural assessment tools and methods.
- CD 486G      LANGUAGE DISORDERS      1-3 hours**  
Identification, diagnosis, and treatment approaches used with language delayed children. Covers current state and federal legislation as related to service delivery models. Evaluation strategies include language sampling and report writing. Treatment approaches based on medical and educational models with emphasis on functional language therapy.
- CD 487G      AURAL REHABILITATION      3 hours**  
Prerequisites: CD 280, 290, 347, 387, Jr. status. Includes terminology, diagnostic procedures (with emphasis on early identification) and habilitation/rehabilitation programs such as manual and total communication for pediatric through geriatric populations.
- CD 488G      AUGMENTATIVE COMMUNICATION      3 hours**  
Focus on terminology and issues in alternative/augmentative communication. Teaches about various nonelectrical and electrical communication aids and techniques with special emphasis on rationale for device selection based on client needs.
- CD 489G      GERIATRIC COMM DISORDERS      1-3 hours**  
Teaches about symptoms, causes, and treatment of speech, language, and hearing disorders in the geriatric population.
- CD 496G      INTERNATIONAL SPEECH PATHOLOGY      3 hours**  
Acquire knowledge and understanding of how speech and language services are rendered in other countries. Emphasis on the identification of different methodologies employed by clinicians in other countries for treating communication disorders in adults and children.
- CD 500      RESEARCH METHODOLOGY IN CSD      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.
- CD 502      MOTOR SPEECH DISORDERS      3 hours**  
The etiologies, communication characteristics, appraisal and treatment of motor speech disorders in children and adults.
- CD 503      ADV DIAGNOSTIC PROC      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.
- CD 504      SEM CHILD LANGUAGE      3 hours**  
Topics cover language disorders from infancy through adolescence; discussion of an integrated model of language, reading, and writing intervention; discussion of multicultural and bilingual issues.
- CD 505      OROFACIAL ANOMALIES      3 hours**  
Etiology, diagnosis, and management of speech/language dysfunctions associated with cleft palate and other syndromes resulting from neuropathologies.
- CD 506      DYSFLUENCY      3 hours**  
Literature review of cluttering and stuttering with emphasis on assessment and clinical management of fluency disorders in children and adults.
- CD 507      APHASIA      3 hours**  
Symptomatology, etiology, differential diagnosis, and remediation of adult dysphasia.
- CD 508      VOICE DISORDERS      3 hours**  
Diagnosis and remediation techniques for voice disorders in children and adults. Rehabilitation of the laryngectomy including use of electrolarynx, esophageal speech, and other voice substitutes.
- CD 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. Includes lab activities with various equipment.

**CD 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.

**CD 511 NEUROLOGY SPEECH LANG 3 hours**

Neuroanatomical and physiological development with emphasis on normal reflexes affecting motor and perceptual speech and language patterns. Stresses assessment and treatment procedures in neurologically impaired children and adults.

**CD 512 SEMINAR PHONOLOGY 3 hours**

Study of phonological process theory and therapy approaches for persons, preschool age through adult, with communication disabilities.

**CD 513 COGNITIVE LINGUISTICS DISORDERS 3 hours**

Designed to develop a working knowledge of neural based communicative linguistic disorders, with an emphasis on traumatic brain injury, dementia, and other etiologies that cause cognitive linguistic disorders. Students will gain knowledge in identification, assessment and therapeutic strategies of neuro-anatomical bases and classification of cognitive linguistic disorders.

**CD 514 DYSPHAGIA 3 hours**

Characteristics, intervention protocols and treatment techniques for individuals with a diagnosis of dysphagia. Case studies and clinical observations of patients with dysphagia will prepare students for clinical placement.

**CD 515 REHAB 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.

**CD 518 ADVANCED AAC 3 hours**

Prerequisites: Permission of Instructor. Surveys terminology and service delivery for alternative and augmentative communication; specifies the rationale for high or low tech device selection based on client needs.

**CD 550 CONSULTATION IN COMM DISORDERS 3 hours**

Prerequisites: Permission of instructor. Course catalog listing: 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.

**CD 570 ADMINISTRATION SUPERVISION SLP 3 hours**

Prerequisites: Master's degree in Communication Disorders or permission of instructor. Review of the types of supervision found in speech-language pathology at the pre-professional and professional levels; the administration of speech programs in various settings will be described; ASHA and CAA standards will be targeted.

**CD 572 CONTEMPORARY ISSUES IN COMM DISORDERS 3 hours**

Prerequisites: Permission of instructor. An in-depth examination of a topic of current interest and relevance to speech-language pathologists.

**CD 580 CLI DIAGNOSTIC PROC 2 hours**

Intensive, advanced, supervised clinical training in non-school settings. Experience provided in assessment and treatment.

**CD 589 SPEC TPCS COMM DIS 1-3 hours**

Independent but guided inquiry of pre-approved topics in the field of Speech Pathology-Audiology. Not substituted for course offered same term.

**CD 590 CLINICAL INTERNSHIP 1 hour**

Advanced, supervised, clinical practicum that provides varied on campus experiences with clients having more acute communication disorders. Repeat for total of 3 hours; maximum of two allowed in one semester.

**CD 591 CLIN EXTERNSHIP 2 hours**

Prerequisite: CD 590, course pass from instructor. Advanced, supervised on-site clinical experience in a variety of settings including schools, private practices, hospitals, rehabilitation facilities, nursing homes and home health agencies. Clinical hours meet ASHA certification requirements. Maximum of two hours per semester.

**CD 619 ASSISTIVE TECHNOLOGICAL AND CO 3 hours**

Prerequisite: EXED 610 and Masters. Equivalent course: CD 619 Investigation of assistive and instructional technology, as well as alternative and augmentative communication devices to implement with students with ASD and PDD.

<b>CD 710</b>	<b>LEADERSHIP/STRESS MANAGEMENT</b>	<b>3 hours</b>
<b>CFS 520</b>	<b>SEMINAR IN CFS</b>	<b>1-3 hours</b>
Survey of recent developments and present trends conducted in a particular area of the Department of CFS or deemed appropriate by faculty and student demand.		
<b>CFS 521</b>	<b>INTERIOR ERGONOMICS I</b>	<b>3 hours</b>
Sociological and psychological factors in interior design-separately, in relationship to each other, and in relationship to other disciplines.		
<b>CFS 522</b>	<b>INTERIOR ERGONOMICS</b>	<b>3 hours</b>
Cultural and anthropometric literature related to interior design; interrelationships between culture and anthropometrics.		
<b>CFS 531</b>	<b>CULTURAL PATTERNS-DRESS</b>	<b>3 hours</b>
In-depth analysis of literature and research related to cultural aspects of clothing. Specific cultural emphasis will vary.		
<b>CFS 533</b>	<b>FASHION MERCHANDISING</b>	<b>3 hours</b>
Principles, problems, and practices of curriculum, field experiences, and extended classroom activities related to fashion merchandising.		
<b>CFS 535</b>	<b>TEXTILE ANALYSIS</b>	<b>3 hours</b>
Prerequisite: Chemistry. Qualitative and quantitative techniques for physical and chemical analysis of textiles. Planning and conducting textiles analyses and evaluating resulting data.		
<b>CFS 536</b>	<b>SEM/INST/HOME ENVIRON</b>	<b>3 hours</b>
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.		
<b>CFS 537</b>	<b>CRIT/DES INVSTG CFS</b>	<b>3 hours</b>
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.		
<b>CFS 571</b>	<b>SEM IN FCS ED</b>	<b>3 hours</b>
<b>CFS 572</b>	<b>CURR DEV FCS ED</b>	<b>3 hours</b>
Curriculum trends in family and consumer sciences education and curriculum development in specialized fields of family and consumer sciences.		
<b>CFS 573</b>	<b>EVAL FCS ED</b>	<b>3 hours</b>
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.		
<b>CFS 574</b>	<b>SUPERVISION FCS ED</b>	<b>3 hours</b>
Prerequisite: Teaching experience, advanced courses, and consent of instructor. Theory, principles, and techniques of preservice and inservice training of teachers in family and consumer sciences. Emphasis on preparation of supervisory materials and evaluation.		
<b>CFS 575</b>	<b>IND STUDY CFS</b>	<b>3 hours</b>
Evaluation of family and consumer sciences investigations. Includes planning and completing an individual study of limited scope.		
<b>CFS 577</b>	<b>CHILD DEVELOP RESEARCH</b>	<b>3 hours</b>
Analysis of current theories and research relevant to the development of social perceptual-cognitive, and physical-physiological processes in children.		
<b>CFS 580</b>	<b>INTERNSHIP</b>	<b>3 hours</b>
Prerequisite: Approval of instructor. A field practicum in foods and nutrition, textiles and clothing, interior design, or home economics education. Assignments are made to approved private and public agencies/facilities.		
<b>CFS 582</b>	<b>SENSORY QUALITIES/FOOD</b>	<b>3 hours</b>
Principles and methodologies in sensory evaluations of foods; collection, analysis and presentation of sensory data; focuses on determinants of quality in foods.		
<b>CFS 583</b>	<b>HUMAN RESOURCES/FOOD SYS</b>	<b>3 hours</b>

Identification of personnel needs by skill levels; planning and evaluation of personnel programs in food systems; training applicants for optimum utilization of human resources.

**CFS 584 COMMUNITY NUTRITION 3 hours**  
 Prerequisite: CFS 111, 261, or consent of instructor. Analysis of literature and research related to nutritional problems facing patients returning to home and community; analysis of community resources that assist with specific problems. (Lecture, field trips and lab)

**CFS 585 NUTRITION/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)

**CFS 598 SP TOPICS CFS 1-6 hours**  
 Prerequisite: Consent of instructor.

**CFS 599 THESIS RESEARCH/WRITING 1-6 hours (6 total)**

**CFS 600 MAINTAIN MATRICULATION 1-6 hours**

**CHEM 412G INTRO PHYSICAL CHEMISTRY 1-5 hours**  
 Prerequisites: CHEM 330, MATH 118. 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. (Not applicable to MS degree.)

**CHEM 420G INORGANIC CHEMISTRY 3 hours**  
 Prerequisites or corequisites: CHEM 352-353. Atomic and molecular structure, bonding theory, ionic substances, electron deficient compounds, acid-base theory and coordination chemistry.

**CHEM 425G POLYMER CHEMISTRY 4 hours**  
 Prerequisites: CHEM 342-343 and CHEM 330 with grade of C or better. 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.

**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.

**CHEM 435G INSTRUMENTAL ANALYSIS 3 hours**  
 Prerequisites: CHEM 452-453. Modern instrumental methods of analysis including spectroscopic, electroanalytical and chromatographic techniques.

**CHEM 440G INTRO TO SYN ORG METHODS 3 hours**  
 Pre-requisites: CHEM 342 with grades of C or better and graduate standing. An advanced course designed to address a broad spectrum of topics including an overview of the year-long organic chemistry sequence and a systematic treatment of modern synthetic organic chemistry focusing on basic reactions and methodologies.

**CHEM 446G BIOCHEMISTRY 3 hours**  
 See Biochemistry.

**CHEM 447G LAB BIOCHEMISTRY 2 hours**  
 See Biochemistry.

**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.

**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.

**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.

**CHEM 453G LAB PHYSICAL CHEM 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.

**CHEM 462G BIOINORGANIC CHEMISTRY 3 hours**  
 See Biochemistry.

<b>CHEM 467G</b>	<b>BIOCHEMISTRY</b>	<b>3 hours</b>
See Biochemistry.		
<b>CHEM 470G</b>	<b>CHEMISTRY/MIDDLE SCHOOL</b>	<b>4 hours</b>
Prerequisite: CHEM 108, or CHEM 123, or permission of instructor. Chemical theories and principles in the middle school science curricula. (Elective credit only)		
<b>CHEM 475G</b>	<b>SELECTED TOPICS CHEM</b>	<b>1-3 hours</b>
Topics in analytical, biochemical, coal, inorganic, organic, physical and polymer chemistry. May be repeated with different topic.		
<b>CHEM 476G</b>	<b>LAB ADV INVEST CHEMISTRY</b>	<b>2 hours</b>
Prerequisite: CHEM 314, or 343. 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.		
<b>CHEM 490G</b>	<b>MATERIALS CHEMISTRY</b>	<b>3 hours</b>
Prerequisites: CHEM 412 or CHEM 452 or CHEM 330. 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.		
<b>CHEM 491G</b>	<b>MATERIALS CHEMISTRY LABORATORY</b>	<b>3 hours</b>
Prerequisite: CHEM 412 or CHEM 452 and CHEM 330 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.		
<b>CHEM 500</b>	<b>FUND/CHEMISTRY</b>	<b>3 hours</b>
Prerequisite: Undergraduate minor in chemistry. Fundamental principles, theories, and laws of chemistry. (Not applicable to the MS degree)		
<b>CHEM 506</b>	<b>CHEMICAL ENVIRONMENTAL SEMINAR</b>	<b>3 hours</b>
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 multi-disciplinary perspective. Required for the MS environmental Science emphasis degrees.		
<b>CHEM 516</b>	<b>LAB INVESTIGATIONS CHEM</b>	<b>1-3 hours</b>
Review of chemical literature on topics of individual interest. Includes reports and proposals for further research.		
<b>CHEM 520</b>	<b>ADV INORGANIC CHEMISTRY</b>	<b>3 hours</b>
Prerequisites: CHEM 420, 452, or equivalent. Various aspects of coordination chemistry.		
<b>CHEM 531</b>	<b>ADV ANALYTICAL CHEMISTRY</b>	<b>3 hours</b>
Prerequisite: CHEM 435, or permission of instructor. Survey of selected topics in modern instrumental methods of chemical analysis. Includes instrumental techniques not covered in CHEM 435.		
<b>CHEM 540</b>	<b>ORGANIC REACTIONS</b>	<b>3 hours</b>
Prerequisite: Permission of instructor. Modern synthetic methods used in organic chemistry.		
<b>CHEM 541</b>	<b>ADV ORGANIC CHEMISTRY</b>	<b>3 hours</b>
Prerequisites: Org CHEM 342, and Phys CHEM 452. Modern physical-organic chemistry including bonding, stereochemistry, reaction mechanisms, concerted reactions, photo-chemistry, and free-radical reactions.		
<b>CHEM 543</b>	<b>ENVIRONMENTAL SCIENCE CONCEPTS</b>	<b>3 hours</b>
Prepare students to enter into the study of environmental sciences at a graduate level. Research methods and core environmental science concepts. Students examine science questions with an interdisciplinary outlook and work in research teams.		
<b>CHEM 550</b>	<b>ADV PHYSICAL CHEMISTRY</b>	<b>3 hours</b>
Prerequisite: CHEM 452, MATH 227, or equivalents. Covers thermodynamics, kinetics and molecular structure in preparation for graduate study or research.		
<b>CHEM 560</b>	<b>CHEMICAL AGENTS AND EXPLOSIVES</b>	<b>3 hours</b>
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.		
<b>CHEM 562</b>	<b>ADVANCED BIOCHEMISTRY</b>	<b>3 hours</b>



Prerequisite: Student must have completed one academic year of the course work in Chemistry. Research at a cooperating laboratory leading to a thesis in coal chemistry.

<b>CHEM 598</b>	<b>GRADUATE SEMINAR</b>	<b>0.5 hours</b>
Required each semester for all MS Chemistry students. Attendance is required of all full-time graduate students.		
<b>CHEM 599</b>	<b>THESIS RESEARCH/WRITING</b>	<b>1-6 hours (6 total)</b>
<b>CHEM 600</b>	<b>MAINT MATRIC</b>	<b>1-6 hours</b>
<b>CHEM 799</b>	<b>DOCTORAL RESEARCH/CHEM</b>	<b>1-6 hours</b>
<b>CIS 516</b>	<b>BUSINESS COMPUTER APPL</b>	<b>3 hours</b>
<b>CNS 550</b>	<b>INTRO TO COUNSELING</b>	<b>3 hours</b>
The history and overview of the counseling profession, current trends and settings for counselors. Professional roles and functions, including school counselors, professional counselors, and marriage and family therapists. Introduction to professional organizations, legal and ethical issues, and certification and licensure issues.		
<b>CNS 551</b>	<b>CLASSROOM GUIDANCE</b>	<b>3 hours</b>
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.		
<b>CNS 552</b>	<b>TESTING &amp; ASSESSMENT</b>	<b>3 hours</b>
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.		
<b>CNS 553</b>	<b>COMM RESOURCES IN CNS</b>	<b>3 hours</b>
Surveys social agencies, both public and private, with which counselors and those in the helping field should be familiar. An analysis of the referral process and the utilization of these resources with the clientele with which one works.		
<b>CNS 554</b>	<b>GROUP COUNSELING</b>	<b>3 hours</b>
Dynamics of group development. Group counseling theories, leadership styles, group counseling methods and skills. Interpersonal and relationships in the family system and other small group settings. (limited class size)		
<b>CNS 555</b>	<b>SOCIAL AND CULTURAL DIVERSITY</b>	<b>3 hours</b>
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.		
<b>CNS 556</b>	<b>DEVELOPMENTAL CAREER CNS</b>	<b>3 hours</b>
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.		
<b>CNS 557</b>	<b>HUMAN &amp; FAMILY DEVELOPMT</b>	<b>3 hours</b>
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.		
<b>CNS 558</b>	<b>COUNSELING THEORY/PRAC</b>	<b>3 hours</b>
Philosophic bases of the helping processes; major contemporary counseling theories and their application in individual and group counseling and in family systems counseling.		
<b>CNS 559</b>	<b>TECHNIQUES/COUNSELING</b>	<b>3 hours</b>
Prerequisite: CNS 558. Focus on the development of basic and advanced counseling skills and procedures. Refinement of the skills needed in providing counseling intervention.		
<b>CNS 560</b>	<b>PROF ST/CNS/MARRIAGE/FAM</b>	<b>3 hours</b>
Historical, philosophical, and societal dimensions of professional counseling and marriage and family therapists in relationship to life style diversity. Legal and ethical issues in professional counseling and marriage and family therapy.		
<b>CNS 561</b>	<b>COUNSELING CHILDREN</b>	<b>3 hours</b>
Theories and techniques of developmental counseling with children.		
<b>CNS 562</b>	<b>COUNSELING ADOLESCENTS</b>	<b>3 hours</b>
Theories and techniques of developmental counseling with the teenage population.		
<b>CNS 563</b>	<b>COUNSELING ADULTS</b>	<b>3 hours</b>

Developmental issues of adulthood. An integration of personal, social, and career counseling with the adult population.

**CNS 564 COUNSELING THE ELDERLY 3 hours**

Major problems individuals experience relative to or as a consequence of growing older. Basic communication and counseling skills needed to work with the elderly.

**CNS 565 ELEMENTARY GUIDANCE SYS 3 hours**

The organization, administration, and delivery of guidance and career services in the elementary school.

**CNS 566 SECONDARY GUIDANCE SYS 3 hours**

The organization, administration, and delivery of guidance and career services in the secondary school.

**CNS 567 MENTAL HEALTH DIAG & TREAT 3 hours**

Prerequisite: CNS 558. 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.

**CNS 568 COUNSELING CHILDREN/ADOLESES 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.

**CNS 570 WORKSHOP IN COUNSELING 1-6 hours**

Workshop dealing with special problems of current topics in counseling. (May be repeated with a different topic for a maximum of 6 hours.)

**CNS 571 INTRO/STUDENT AFFAIRS 3 hours**

History, philosophy, and development of student services. Includes testing and counseling, financial aids, housing, admissions and records, placement, etc.

**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.

**CNS 573 LEADERSHIP/STUDENT AFFRS 3 hours**

Prerequisite: Completion of CNS 571 or concurrent enrollment in CNS 571. The essentials of effective leadership in Student Affairs will be examined. Major topics will include organizational and leadership theory, planning and decision making strategies, conflict resolution, managing change, and the use of groups and group dynamics within a Student Affairs context.

**CNS 574 STDT DEVELOP/HIGHER ED 3 hours**

Prerequisite: Completion of CNS 571 or concurrent enrollment in CNS 571. 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.

**CNS 575 ADMIN/STUDENT AFFAIRS 3 hours**

Prerequisite: 6 hours in Student Affairs including CNS 571. The essentials of sound administrative management in Student Affairs will be discussed. Major topics will include policy development, legal considerations, personnel selection, supervision, training and evaluation, collective bargaining, budgeting and financial concerns, governmental policy implications, and information management systems.

**CNS 576 TECHNOLOGY/STUDENT AFFRS 3 hours**

The uses of technology for forecasting, budgeting, program planning, communication, policy analysis and resources allocation in Student Affairs will be explored. Automated information systems will be discussed extensively in terms of student affairs applications.

**CNS 577 COUNSELING FOR S.A. PROFESSION 3 hours**

Basic counseling concepts and applications essential for effective student affairs practice. Restricted to Student Affairs majors.

**CNS 578 SP TOPICS/STDT AFFAIRS 3 hours**

**CNS 579 SEMINAR/STUDENT AFFAIRS 3 hours**

This research oriented, discussion course is designed to focus on current issues and practices in Student Affairs.

**CNS 580 FAMILY LIFE STUDIES 3hours**

General philosophy and broad principles of family life education of the counselor and teacher. Issues of gender, ethnicity, sexism and gender role stereotyping and their impact on the individual family member as well as the family system.



<b>CNS 581</b>	<b>INTERNATIONAL STUDENT SERVICES</b>	<b>3 hours</b>
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.		
<b>CNS 582</b>	<b>SEX THERAPY</b>	<b>3 hours</b>
Counseling skills and intervention techniques for counselors in training who will be working with couples and individuals with a broad range of sexual concerns.		
<b>CNS 583</b>	<b>MARRIAGE THERAPY</b>	<b>3 hours</b>
Prerequisite: 12 hours of counseling courses including CNS 580. Knowledge, skills, and techniques of couples therapy including pre-marriage, marriage and divorce.		
<b>CNS 584</b>	<b>CNS IN VIOLENT &amp; DIS FAM</b>	<b>3 hours</b>
Analysis of incidence and patterns of violence against children, adolescents, adults, and elders; motivational factors regarding perpetrator and victims. Counseling and helping strategies for working with family members and the abused victim in counseling and school setting.		
<b>CNS 585</b>	<b>LEADERSHIP/ADMIN IN STUDENT AFFAIRS</b>	<b>3 hours</b>
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.		
<b>CNS 586</b>	<b>PARENTING ISSUES</b>	<b>3 hours</b>
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.		
<b>CNS 588</b>	<b>FAMILY SYSTEMS CNS</b>	<b>3 hours</b>
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.		
<b>CNS 590</b>	<b>PRACTICUM</b>	<b>3 hours</b>
Prerequisite: 15 hours in counseling courses including the following courses: CNS 550, 554 and 558. Supervised experiences in a setting related to area in which individual plans to seek certification/employment.		
<b>CNS 591</b>	<b>MHC/MFT PRACTICUM</b>	<b>3 hours</b>
Prerequisites: CNS 554 and CNS 558 and CNS 559. Description: Supervised experiences in a setting related to the area in which the individual plans to seek licensure, certification or employment. Course is graded Pass/Fail/IP. There is a \$5.00 fee.		
<b>CNS 595</b>	<b>INTERNSHIP</b>	<b>3-6 hours</b>
Prerequisite: CNS 590. Supervised experience in school, community, and agency settings.		
<b>CNS 596</b>	<b>MHC/MFT INTERNSHIP</b>	<b>3-9 hours</b>
Prerequisites: CNS 591. Supervised experiences in a setting related to the area in which the individual plans to seek licensure, certification or employment. Course is graded Pass/Fail/IP. There is a \$5.00 fee.		
<b>CNS 599</b>	<b>THESIS RESEARCH/WRITING</b>	<b>3-6 hours (6 total)</b>
<b>CNS 610</b>	<b>ASSESSMENT IN STUDENT AFFAIRS</b>	<b>3 hours</b>
Fundamental concepts of comprehensive assessment in student affairs and higher education. Emphasis on program or service assessment and related budget considerations.		
<b>CNS 637</b>	<b>THEORIES OF ADDICTIONS</b>	<b>3 hours</b>
Prerequisites: Admission to or completion of approved graduate program in helping profession, and instructor's permission. This course involves introduction to theoretical, philosophical and historical premises of addictions. Topics include professional ethics, diversity, family roles and relationships, and dual diagnosis.		
<b>CNS 647</b>	<b>ADDICTIONS ASSESS &amp; DIAGNOSE</b>	<b>3 hours</b>
Prerequisites: Admission to or completion of approved graduate program in a helping profession, and instructor permission. 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 treatment planning.		
<b>CNS 651</b>	<b>READINGS CONTEMP CNS</b>	<b>3 total</b>
Significant books and research articles related to counseling theory, theory application, and innovative techniques.		
<b>CNS 652</b>	<b>IND RESEARCH/COUNSELING</b>	<b>1-3 hours</b>

Research problems relating to the organization and administration of counseling programs. May be repeated once with a different topic.

**CNS 653      BRIEF COUNSELING      3 hours**

Prerequisites: Admission to or completion of approved graduate program in a helping profession and instructor permission. 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.

**CNS 654      EDUC INTELLECT ANALYSIS      3 hours**

Administration and interpretation of standard mental and aptitude tests as tools of educational and occupational guidance.

**CNS 655      ADV APPRAISAL/CHILDREN      3 hours**

Prerequisites: CNS 552 and 654, or equivalents. Continuation of CNS 654 designed to increase administration-interpretation skills in individual appraisal process.

**CNS 658      SEM GUIDANCE/COUNSELING      3 hours**

Presentation and discussion of research in guidance and counseling. Emphasizes theoretical and practical criticism of relevant studies in the field. (May be repeated with a different topic for a maximum of 6 hours.)

**CNS 660      ORG ADM GUID SERVICES      3 hours**

Administration of human services in counseling including justification of services, staffing, facilities, budget, etc.

**CNS 661      INTRO TO REHAB COUNSELIN      3 hours**

Basic counseling procedures appropriate to rehabilitation; history, settings and functions of the counselor.

**CNS 662      SEM DISABILITY/REHAB CNS      3 hours**

Topics include contemporary issues such as supported employment, independent living, client rights, ethical issues and future trends.

**CNS 666      LEGAL ETHICAL ISS IN CNS      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.

**CNS 667      CNS SUBSTNCE ABUSE      3 hours**

Counseling issues related to substance abuse diagnosis, treatment and aftercare program.

**CNS 669      SP TOPICS CNS/GUID      1-3 hours**

May be repeated with a different topic for a maximum of 6 hours.

**CNS 670      PARAMETERS OF LAW/STUDENT AFF      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.

**CNS 699      IND SPECIALIST PROJECT      1-6 hours (6 total)**

**CNS 700      MAINTAIN MATRICULATION      1-6 hours**

**CNS 710      LEADERSHIP/STRESS MANAGEMENT      3 hours**

Master's degree or instructor permission. 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.

**COMM 447G      STUDIES IN PUBLIC COMM      3 hours**

A study of effective examples of public communication in American history.

**COMM 460G      INTERVIEWING      3 hours**

This course is designed to provide the student with a comprehensive overview of principles and methods suited to oral, one-on-one information gathering in an organizational setting. Practice both in and out of the classroom will be stressed.

**COMM 461G      ORGANIZATIONAL COMM      3 hours**

Theoretical examination of rhetorical principles operant in modern organizational communication systems.

**COMM 463G      INTERCULTURAL COMM      3 hours**

This course is designed to create an understanding of dimensions of communication theory that apply across cultural boundaries. Emphasis is placed on both theoretical and practical awareness of communication in and between cultures.

**COMM 474G      GENDER COMM      3 hours**

Examination of communication behaviors as affected by gender, including assessment of communication differences reflected in organizational, interpersonal, and mass communication modes.

<b>COMM 495G</b>	<b>IND STUDY/COMMUNICATION</b>	<b>3 hours</b>
Directed research in communication. Students are to submit written petitions for faculty approval of the study during the previous semester.		
<b>COMM 500</b>	<b>SPEECH COMM INTERNSHIP</b>	<b>3 hours</b>
<b>COMM 501</b>	<b>QUAL MTH COMM RES</b>	<b>3 hours</b>
Study of traditional and contemporary non-quantitative methods of examining communication events and phenomena. (Required)		
<b>COMM 502</b>	<b>SURVEY RES MTH COMM</b>	<b>3 hours</b>
Study of survey research design and implementation as typically used in organizational communication research. Includes general overview of the scientific method and the relationship of survey research to other research methodologies along with statistical procedures and software for analyzing survey data. (Required)		
<b>COMM 503</b>	<b>FOUNDATIONS OF COMM</b>	<b>3 hours</b>
Major concepts and issues which characterize the discipline. (Required)		
<b>COMM 504</b>	<b>ETHNO METHODS COMM RES</b>	<b>3 hours</b>
<b>COMM 510</b>	<b>STRAT FOR TCH SPEECH COM</b>	<b>3 hours</b>
Designed to improve the teaching performance of COMM graduate assistants in teaching the basic public speaking courses.		
<b>COMM 521</b>	<b>EVALUATION OF MASS COMM</b>	<b>3 hours</b>
<b>COMM 525</b>	<b>INTERPERS SUPPORT/WORKPLACE</b>	<b>3 hours</b>
Study of interpersonal communication theories and processes specific to promoting a supportive work environment. Special attention is given to exploring how interactional dynamics may shift when communicating with individuals with distinctive life circumstances (e.g., experience of loss and cultural differences) and physical conditions (e.g., health problems and disabilities.)		
<b>COMM 526</b>	<b>SEM IN FAMILY COMMUNICATION</b>	<b>3 hours</b>
Survey of research and theory in family communication.		
<b>COMM 528</b>	<b>COMMUNICATION IN THE NONPROFIT</b>	<b>3 hours</b>
Nonprofit organizations play an important role in communities across the country. This course will explore the ways in which nonprofit organizations communicate with their many stakeholders including donors, volunteers, staff members, board members, and the community at large.		
<b>COMM 531</b>	<b>GLOBAL LEADERSHIP COMMUNICATION</b>	<b>3 hours</b>
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.		
<b>COMM 540</b>	<b>SEM IN RHET &amp; PUB ADDRES</b>	<b>3 hours</b>
<b>COMM 542</b>	<b>PRA IN COMM CONSULTING</b>	<b>3 hours</b>
Practical off-campus experience in the actual development, implementation, and evaluation of communication programs in organizations.		
<b>COMM 543</b>	<b>CONTEM METH OF RHET CRIT</b>	<b>3 hours</b>
<b>COMM 544</b>	<b>PERSUASIVE COMM</b>	<b>3 hours</b>
How persuasion works across the dimensions of the communication process: one-to-one, small group, public, and mass communication.		
<b>COMM 546</b>	<b>SEMINAR IN FORENSICS</b>	<b>3 hours</b>
<b>COMM 549</b>	<b>RHETORIC THEORY &amp; CRIT</b>	<b>3 hours</b>
<b>COMM 551</b>	<b>EMPLOYEE COMMUNICATON</b>	<b>3 hours</b>
Prerequisite: Graduate Standing. Study of employee communication in the modern organization. Covers topics such as measurements of organizational communication effectiveness and the relationship among factors such as communication, moral and productivity.		
<b>COMM 560</b>	<b>SEM IN ORANIZA COMM</b>	<b>3 hours</b>
<b>COMM 561</b>	<b>MULTINAT. BUSINESS COMM</b>	<b>3 hours</b>
This course provides an in-depth study of internal and external communication behaviors in business organizations operating in multinational environments.		
<b>COMM 562</b>	<b>SPL TOPICS INTC COMMUNIC</b>	<b>3 hours</b>
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.		
<b>COMM 563</b>	<b>ISSUES MANAGEMENT</b>	<b>3 hours</b>

A study of issue identification, issue analysis, issue change strategy options, and issue action programming with particular emphasis upon the role of communication in issue management.

**COMM 564 CRISIS COMMUNICATION 3 hours**

Role of communication in crisis prevention, crisis readiness and crisis resolution.

**COMM 565 COMM & CONFLICT 3 hours**

Study of communication as it relates to conflict in interpersonal, group, organizational, and intercultural settings.

**COMM 566 CORPORATE & ORG ADVOCACY 3 hours**

Historical overview of corporate and organizational advocacy in the 20th century focusing on the communication process used in corporate advocacy.

**COMM 569 VAL & LDRSH IN ORG COM 3 hours**

Study of communication as it relates values, leadership, and uses of power in such organizational contexts as business, professional, social, educational and political groups.

**COMM 570 SEMINAR IN COMM 3 hours**

**COMM 571 COMPUTER MEDIATED COMMUNICATIO 3 hours**

Introduces students to communication technologies (specifically electronic mail, groupware, decision support systems, and intranet technologies) within organizations. Stresses the social and communicative impact of these technologies on organizational shareholders such as employees and customers.

**COMM 572 NONVERBAL COMMUNICATION 3 hours**

Theory and research in nonverbal communication. Topics will include body language, vocalics, and use of space, time, touch, and artifacts in communication.

**COMM 577 CULTURAL IMPACT ON TERRORISM COMM 3 hours**

This course deals with the communication behaviors of terrorist groups, particularly as culture impacts and influences those behaviors.

**COMM 578 SEM INTERPERSON COMM 3 hours**

Examination of professional literature and basic research in interpersonal communication.

**COMM 581 APPLIED ORG COMMUNICATION 3 hours**

Provides opportunities for students to apply theoretical concepts to various functions of organizational communication in industry and corporate contexts.

**COMM 586 PROCESSES OF GROUP COMM 3 hours**

Practice in the group communication processes that lead toward successful team work in organizational contexts.

**COMM 587 COMM IN IC NEGOT/MEDIAT 3 hours**

Role of communication in intercultural negotiation and mediation processes. Addresses cultural factors and negotiation techniques in cross-cultural conflict situations.

**COMM 595 IND STUDY IN COMM 3 hours**

Permits students to conduct individualized communication research in an area of their interest.

**COMM 599 THESIS RESEARCH/WRITING 1-6 hours (6 total)**

**COMM 600 MAINTAIN MATRICULATION 1-6 hours**

**COMM 721 ORG COMM FOR LEADERS 3 hours**

Prerequisites: Enrollment in Ed.D. Educational Leadership program; corequisite with LEAD I or permission of instructor. Examines the communication perspectives, theories, and principles necessary to lead organizations. Considers ways to assess and improve communication processes in various organizational situations.

**COMM 731 GLOBAL COMM FOR LEADERS 3 hours**

Prerequisites: Enrollment in Ed.D. Educational Leadership program and LEAD I; or permission of instructor. 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.

**COMM 741 LEADERSHIP TRENDS 3 hours**

Examines the literature on current economic, political, technological and/or social trends as they relate to leadership.

**COMM 751 STRATEGIC COMMUNICATION 3 hours**

Prerequisites: Enrollment in Ed.D. Educational Leadership program or the permission of the instructor; corequisite with LEAD III. Considers the way organizational leaders use communication to influence opinions and behavior of various constituencies.

**CS 405G NUMERICAL ANALYSIS I 3 hours**



construction, semantic analysis, code generation, and optimization. Students will complete a programming project.

**CS 545                    SYSTEMS PROGRAMMING                    3 hours**

Prerequisite: CS 445. 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.

**CS 549                    ANALYSIS OF ALGORITHMS                    3 hours**

Prerequisite: CS 338. Methods (algorithms) for solving a variety of problems on computers and the relative efficiency of these algorithms.

**CS 550                    ADV COMPUTER NETWORKS                    3 hours**

Prerequisites: CS 450 or equivalent. Advanced study of network protocols and algorithms, high speed networks, design models, design issues, distributed network systems, real time networks, and applications. Credit will not be given for CS 450 or CS 450G once credit has been received for CS 550.

**CS 560                    SOFTWARE ENG & PROJ MGT                    3 hours**

Prerequisite: CS 360 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.

**CS 562                    PARALLEL AND DISTRIBUTED COMP                    3 hours**

An introduction to parallel and distributed computing. The development, implementation, and analysis of parallel algorithms will be studied.

**CS 565                    DATA MINING                    3 hours**

Prerequisite: CS 543, CS 443G or permission of instructor. 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.

**CS 567                    MICROCOMPUTER OPER SYS                    3 hours**

Prerequisite: CS 425. System-level study of the most popular micro-computer operating systems including memory and disk space management; interrupts; and system services. System utility programs will be developed.

**CS 595                    ADV TOPICS/COMP SCI                    1-3 hours**

Prerequisite: 9 hours of CS and permission of instructor. Significant problems and current developments in computer science. May be repeated with a different topic for a maximum of 6 hours.

**CS 599                    THESIS RESEARCH/WRITING                    1-6 hours (6 total)**

**CS 600                    MAINT MATRICULATION                    1-6 hours**

**ECON 400G                ISSUES/CAPITAL MKT ECON                    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.

**ECON 410G                SEMINAR/ECONOMICS                    1-3 hours**

Special topics in economics of current interest.

**ECON 420G                PUBLIC FINANCE                    3 hours**

A study of the economic effects of taxation and government spending. Topics include types and incidence of various taxes, policy objectives of taxes and spending, and related issues.

**ECON 430G                ENV & 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.

**ECON 434G                ECON OF POVERTY & DISCR                    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.

**ECON 440G                AM INDUS/STRUC/PERFORM                    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.

**ECON 460G                BUS/ECONOMIC FLUCTUATION                    3 hours**

Prerequisites: ECON 206 and 303. A study of the causes, patterns of development and consequences of economic fluctuations in a modern industrialized economy. Emphasis is placed on macroeconomic techniques of cycle analysis to determine the dynamic time path of income, output and employment.

<b>ECON 464G</b>	<b>MATHEMATICAL ECONOMICS</b>	<b>3 hours</b>
The application of mathematics to economic analysis covering functions, optimization techniques, differential and difference matrix algebra, and game theory.		
<b>ECON 465G</b>	<b>REGRESSION &amp; ECONOMETRIC</b>	<b>3 hours</b>
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.		
<b>ECON 475G</b>	<b>URBAN/REGIONAL ECONOMICS</b>	<b>3 hours</b>
Considers the economic relationships within a 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.		
<b>ECON 491G</b>	<b>ECONOMIC THOUGHT</b>	<b>3 hours</b>
The origin and development of economic thought with emphasis on the contribution of political economy to the behavioral sciences.		
<b>ECON 496G</b>	<b>INTERNATIONAL MONETARY ECON</b>	<b>3 hours</b>
A systematic analysis of monetary aspects of international trade and finance.		
<b>ECON 501</b>	<b>SURVEY/ECONOMICS</b>	<b>3 hours</b>
Crosslisted BA 501. 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.		
<b>ECON 502</b>	<b>APPLIED MICROECON THEORY</b>	<b>3 hours</b>
Crosslisted BA 511. Prerequisite: BA 501 or the equivalent. 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.		
<b>ECON 503</b>	<b>APPLIED MACROECON THEORY</b>	<b>3 hours</b>
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.		
<b>ECON 505</b>	<b>WKS ECON FOR TEACHERS</b>	<b>3 hours</b>
Basic concepts and topics dealing with the functioning of a market oriented economic system and the U.S. economy.		
<b>ECON 506</b>	<b>APPLIED STATISTICAL METHODS</b>	<b>3 hours</b>
Crosslisted BA 540. 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.		
<b>ECON 508</b>	<b>PROB SOLVING DATA MODEL</b>	<b>1.5 hours</b>
<b>ECON 532</b>	<b>TOPICS IN MICROECONOMICS</b>	<b>3 hours</b>
Prerequisites: ECON 502 and ECON 506 or consent of instructor. Discussion and application of current and developing topics in microeconomics. Specific topics vary.		
<b>ECON 571</b>	<b>PUBLIC POLICY ECON</b>	<b>3 hours</b>
Equivalent Courses: BA 571. Prerequisites: ECON 502 AND ECON 506. 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.		
<b>ECON 581</b>	<b>SURVEY/PUBLIC FINANCE</b>	<b>3 hours</b>
Crosslisted BA 541. An overview of topics including a study of the economic properties of various taxes and their effects, government budgeting, fiscal federalism, public provision, regulation, privatization, benefit-cost analysis, and other related issues.		
<b>ECON 582</b>	<b>SEM/ECONOMIC HISTORY</b>	<b>3 hours</b>
Emphasis on research and evidence on U.S. economic history with some discussion of non-U.S. economic history.		
<b>ECON 583</b>	<b>ADVANCED MICRO THEORY</b>	<b>3 hours</b>
Prerequisites: ECON 502, 506, or equivalent. Systematic and rigorous coverage of theory of consumer behavior, prices, markets, production, distribution, and welfare.		
<b>ECON 585</b>	<b>TOPICS/MACROECONOMICS</b>	<b>3 hours</b>
Prerequisites: ECON 503, 506, or equivalent. Discussion of current areas of research in macroeconomic/monetary fields. Specific content will vary by semester and instructor.		
<b>ECON 591</b>	<b>INTERNATIONAL ECONOMICS</b>	<b>3 hours</b>

Crosslisted BA 542. Survey of trade theory and evidence, status and effects of tariffs and other trade restrictions, and balance of payment issues.

**ECON 594 FORECASTING 3 hours**

Crosslisted BA 543. Prerequisites: BA 540 or ECON 506. Methods of forecasting changes in the U.S. economy and other economic units. Emphasis on application and evaluation of different techniques.

**ECON 595 LABOR/HUMAN RESOURCE ECO 3 hours**

Crosslisted BA 544. Study of static and dynamic models of labor demand, supply, and human capital investment.

**ECON 596 APPLIED ECON PROJECT 3 hours**

Prerequisite: Completion of at least 24 hours of program 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.

**ECON 597 PRACTICUM IN ECONOMICS 3 hours**

Prerequisite: Permission of instructor. A directed, supervised practicum or internship with a business or government agency utilizing the skills developed in the program.

**ECON 598 IND STUDY ECONOMICS 3 hours**

Selected topics in economics.

**ECON 599 THESIS RESEARCH/WRITING 1-6 hours (6 total)**

**ECON 600 MAINT MATRICULATION 1-6 hours**

**EDAD 583 ACCT 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.

**EDAD 585 FUNDAMENTALS/SCHOOL ADM 3 hours**

Organization and administration of American schools. Principles of effective leadership and the roles and responsibilities of administrative supervisory positions.

**EDAD 586 CREATING HIGH PERF CULTURE 3 hours**

Prerequisites: Permission of Instructor. Description: Role of culture in the classroom, school, and school district. Topics include the effect of culture on staff and student performance; how to assess and transform culture; and the roles of leadership in creating and supporting a high performance learning culture. Field experiences will be required.

**EDAD 588 ALLOCATION AND USE OF RESOURCES 3 hours**

Effective operation of the fiscal and business aspects of school administration in the educational program.

**EDAD 590 ADM OF SCHOOL PERSONNEL 3 hours**

Allocation of human resources to accomplish the purposes of the school organization.

**EDAD 594 SEM LDR: AUX PROG 3 hours**

Principles and practices of leadership in the development and operation of auxiliary educational programs including special education, counseling, extracurricular programs and vocational education.

**EDAD 596 READINGS IN EDUC ADM 1-3 hours**

Prerequisite: Permission of major professor. Reading and research in an area of individual interest. Supervised by the major professor.

**EDAD 597 PROBLEMS ED ADM 3 hours**

Prerequisite: Permission of instructor. Individual problems and self-assessments in educational administration and supervision. To be taken concurrently with EDAD 585.

**EDAD 598 FIELD EXP EDAD 3-6 hours**

Clinical experiences with practitioners in the field to acquaint the prospective administrator/supervisor with the realities of educational organizations.

**EDAD 611 LEADING CHANGE 3 hours**

Prerequisites: Permission of Instructor. Description: Leading change for school improvement. Topics include: effects of leadership on school improvement, change theory, leading first and second order change, engaging school and community support for change. Field experiences will be required.

**EDAD 620 SEM ADM OF SPECIAL ED 3 hours**

Current trends and issues in the administration and supervision of special education programs, including personnel issues, student identification issues, program assimilation and human relationships.

**EDAD 625 PRAC ADM OF SPECIAL ED 3 hours**

Supervised practice in educational organizations for persons preparing to become a Director of Special Education.



- EDAD 630 SPECIAL ED LAW & 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.
- EDAD 639 THE SUPERINTENDENCY 3 hours**  
Prerequisites: Permission of instructor and two years of school administrative experience. 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.
- EDAD 640 INTRO TO SCHOOL LEADERSHIP 3 hours**  
Corequisite: EDAD 641. Prerequisite: Completion of a master's degree in education-related area and admission to the Planned Sixth Year/Rank I Instructional Leadership-School Principal, All Grades Program. 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.
- EDAD 641 BUILDING CULTURE AND COMMUNITY 3 hours**  
Corequisite: EDAD 640. 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.
- EDAD 642 LEVERAGING COMM SYS AND RESOURCES 3 hours**  
Corequisite: EDAD 643. Prerequisites: EDAD 640, EDAD 641. Utilization of state, national, and local resources and the creation of collaborative community support and involvement, to provide for the educational needs of students. Field work consistent with the role of the school principal is required.
- EDAD 643 SECURING AND DEVELOPING STAFF 3 hours**  
Corequisite: EDAD 642. Prerequisite: EDAD 640, EDAD 641. 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.
- EDAD 644 ORG STRUCTURES AND OPERATIONS 3 hours**  
Corequisite: EDAD 645. Prerequisites: EDAD 642 and EDAD 643. Organizational leadership, procedures, and structures for P-12 school improvement. Field work consistent with the role of the school principal is required.
- EDAD 645 PRACTICING THE PRINCIPALSHIP 3 hours**  
Corequisite: EDAD 644. Prerequisites: EDAD 642, EDAD 643. Capstone course emphasizing leading change, reflective practice, and transitioning into the principalship. Field work consistent with the role of the principal is required.
- EDAD 649 SCHOOL SYS ADMIN 3 hours**  
Prerequisite: Instructor permission required. School system operations including finances, auxiliary services, human resources, federal and state programs, facilities, and curriculum and instruction.
- EDAD 659 STRAT PLAN IN EDU 3 hours**  
Prerequisite: Instructor permission required. 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.
- EDAD 677 LEGAL ISSUES FOR PROF 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.
- EDAD 680 REMOVING BARRIERS TO LEARNING 3 hours**  
Prerequisite: Permission of Instructor. Planning, providing and coordinating support programs and services to prevent and remove barriers to learning for all students. Topics include: the array of school-based services; community-based services and inter-agency collaboration; and school-community relations skills and strategies for informing and developing community support and collaboration to meet the needs of all children. Field experiences will be required.
- EDAD 682 SCHOOL-COMM 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.
- EDAD 683 LEADING TEACHING AND LEARNING 3 hours**  
Application of educational curriculum foundations for school administration.
- 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.

**EDAD 686 PRINCIPLES/SUPERVISION 3 hours**

The instructional aspect of school administration; organization, problems, principles, and techniques of improving in-service training for teachers.

**EDAD 688 PLANNING FOR SCH IMPROVEMENT 3 hours**

Prerequisite: Permission of Instructor. Methods and materials of comprehensive school improvement planning and professional development activities tied to the comprehensive school improvement plan. Supervision and evaluation of school staff as it relates to student learning. Field experiences will be required.

**EDAD 690 PRINCIPALSHIP 3 hours**

Prerequisites: EDAD 594 and EDAD 585. Identification and development of essential leadership practices associated with the role of principal in the contemporary school system.

**EDAD 694 SEMINAR IN EDUC ADM 3-6 hours**

Examination of current leadership practices with emphasis on the changing role of the educational administrator.

**EDAD 696 ADV ORG THEORY 3 hours**

Prerequisite: Permission of instructor. A study of historical and contemporary theory in educational administration and leadership.

**EDAD 697 IND-RESEARCH/EDUC AD/SUP 3 hours**

Special projects in administration and supervision.

**EDAD 699 IND SPECIALIST PROJECT 1-6 hours (6 total)**

**EDAD 700 MAINTAIN MATRICULATION 1-6 hours**

**EDAD 706 ED LEADERSHIP AND REFORM 3 hours**

Prerequisite: EDLD 700 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.

**EDAD 707 EDU LEADERSHIP POLICIES AND POLITICS 3 hours**

Prerequisite: EDLD 700. 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.

**EDAD 708 DISTRICT RESOURCES & SYSTEMS 3 hours**

Prerequisite: EDLD 700 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.

**EDAD 710 SCHOOL LEADER/TECH PLANNING 3 hours**

Admission to Ed.D. program or district-level administrative experience. Use of modern technological tools in instructional and administrative processes; evaluation of hardware and software for both instructional uses and as administrative tools.

**EDAD 798 INT/ADMN & SUPERVISION 1-6 hours**

Prerequisite: Permission of advisor. Internship or other directed field experiences in administration or supervision.

**EDAD 799 DISSERTATION RESEARCH 1-8 hours**

Prerequisites: Admission to candidacy in Cooperative Doctoral Program in Educational Administration.

Research undertaken to complete requirements for Doctor of Education in Educational Administration.

**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.

**EDFN 501 EDUCATIONAL STATISTICS 3 hours**

Statistical methods including descriptive statistics, sampling, probability, and correlation.

**EDFN 548 RESEARCH/CURR/INST-IND 1-3 hours**

Research in elementary instructional problems in reading, mathematics, science, social studies, English, and in elementary and secondary curriculum.

**EDFN 570 WORKSHOP/EDUCATION 3 hours**

Special short courses on educational problems.

**EDFN 576 ISS & TRNDS EDUC 3 hours**

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.

**EDFN 601 APPL STATS & DSGN 3 hours**

Parametric and non-parametric statistical techniques applied to experimental and quasi-experimental research designs in education.

**EDFN 603 QUALITATIVE RESEARCH IN ED 3 hours**

Prerequisite: EDFN 500. 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.

**EDFN 612 SEMINAR IN COMM COLL TEA 3 hours**

Prerequisite: ADED 611 or permission of instructor. Study of issues and topics critical to the teaching success of potential community college faculty.

**EDFN 675 HIGHER EDUC IN AMERICA 3 hours**

History, purpose, philosophy, organization, curriculum, student personnel services, financial services, and trends of the American system of higher education.

**EDFN 685 ISSUES IN HIGHER EDUCATION 3 hours**

Prerequisite: EDFN 675, or permission of instructor. Major problem areas of academic administration with emphasis on issues and procedures of college and university level curricular development.

**EDFN 700 RES DESIGN AND DISSERTATION 3 hours**

Prerequisites: EDFN 601 and EDFN 603 and Instructor Approval. Includes research proposal process, parts of a dissertation, steps in the dissertation process, use of APA style, library searches, avoiding plagiarism, and scholarly writing process.

**EDFN 703 FIELD METHODS FOR QUAL RES 3 hours**

Prerequisites: EDFN 603. Developing and conducting qualitative research.

**EDFN 720 FOUND/RURAL ED POLICY 3 hours**

Prerequisite: Admission to cooperative doctoral program in Educational Leadership or permission of department. An analysis of educational policy development and implementation in rural social systems from philosophical, historical, psychological, and political perspectives.

**EDLD 700 DOCTORAL ORIENTATION 6 hours**

This course provides an introduction to doctoral studies with emphasis on processes and requirements of the program, leadership assessment, career development, and an introduction to inquiry.

**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.

**EDLD 711 METHODS/LEADERSHIP RESEARCH I 3 hours**

Quantitative and qualitative research methods; analysis of research reports. Student will critically read research in educational leadership and critique the applications of the findings.

**EDLD 720 IND/GRP ISSUES IN LEAD 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.

**EDLD 721 MEASUREMENT/VALIDITY IN RESRCH 3 hours**

Prerequisite: EDLD 711. Students will examine critical issues relating to validity, reliability, generalizability, usefulness or leadership research, and key requirements in the design of research. This will include examining internal and external threats to validity, alternative assessment procedures, limitations to generalizability, and identifying approaches that will lead to useful findings.

**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.

**EDLD 731 ADVANCED STATISTICAL TOOLS 3 hours**

Prerequisite: EDLD 721. Statistical tools, statistical software and databases used in leadership research and problem-solving settings. Software to organize and manage qualitative data will be introduced.

**EDU 501 PROF DEV PLAN MAE/RK II 2 hour**

**EDU 507 GEOS FOR TEACHERS 3 hours**

Equivalent Course: GEOS 507. 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.

**EDU 520 PLANNING FOR INSTRUCTION 3 hours**

Corequisite: EDU 521. Special Requirement: Restricted to students admitted to the Alternative Route to Teacher Certification program or permission of the Department Head. Survey of instructional planning, focused on pre-instruction. Topics include classroom management, determining outcomes and criteria for success, and differentiating instruction.

**EDU 521 IMPLEMENT INSTRUCTIONAL PLAN 3 hours**

Corequisite: EDU 520. Special Requirement: Restricted to students admitted to the Alternative Route to Teacher Certification program or permission of the Department Head. 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.

**EDU 522 FUND OF DIFFERENTIATED INSTR 3 hours**

Designing a qualitatively different instruction for students with varying abilities, interests, learning profiles, and affect within the regular classroom experience.

**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.

**EDU 544 CLASSROOM TEACH STRATEGY 3 hours**

**EDU 590 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. Pass-fail grading.

**EDU 594 PRACTICUM IN EDU / BEHAV SCIENCES 1-3 hours**

Prerequisites: Instructor permission and completion of at least 18 hours in the Education and Behavioral Science Studies program, including all core requirements except capstone. Restricted to students admitted to the MAE Education and Behavioral Science Studies program. Supervised practical experience related to education or behavioral science studies. (Grading: Pass/Fail)

**EDU 595 DIRECTED STUDY EDUC BEHAV SCI 3 hours**

Prerequisite: Completion of at least 21 hours in the program including all other core requirements and permission of faculty supervisor. Restricted to students admitted to the MAE - Education and Behavioral Science Studies. Directed study related to best practices in education or behavioral sciences. Requires completion of research project on approved topic.

**EDU 596 SEM PORT DEV PROF GROWTH 1-2 hours**

**EDU 597 ORG/SUP OF STUDENT TEACH 3 hours**

**EDU 598 SEM EVAL PROF PLAN RKII 1 hours**

**EDU 601 ADVANCED PROF DEVELOPMENT PLAN 1 hour**

**EDU 604 MGT LEARNING ENVIRON 3 hours**

**EDU 695 ADVANCED TOPICS IN EDUCATION 1-6 hours**

Prerequisite: Post-master's standing and departmental permission. Readings or special projects in education. May be repeated for credit.

**EDU 698 SEM ADV PORTFOLIO PROJECT 2 hours**

Prerequisites: EDU 598 or EDU 596 and EDU 601. An exit seminar requiring presentation of a professional portfolio project including evidence of professional development.

**EDU 701 TEACHER LEADERSHIP/ASSESSMT 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.

**EDU 702 TEACHER LEADERSHIP/ASSESSMT 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.

**EHS 572 ENV AND OCC EPIDEMOLOGY 3 hours**

Prerequisites: PUBH 520 and PUBH 582 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.

<b>EHS 580</b>	<b>SOLID AND HAZARDOUS WASTES</b>	<b>3 hours</b>
Management of solid and hazardous wastes in the environment. Emphasis on regulatory compliance, control and remediation technologies, and environmental pathways.		
<b>ELED 445G</b>	<b>INTRO EDUC TECHNOLOGY</b>	<b>3 hours</b>
Instruction and laboratory experiences in the basic theory and application of educational technology to the design, production, evaluation, and utilization of various media. Cross-listed with LME 445G.		
<b>ELED 503</b>	<b>ORG ELEM CURRICULUM</b>	<b>3 hours</b>
Principles and practices in elementary school curriculum construction. Emphasis on forces affecting curriculum, current innovations, and trends.		
<b>ELED 505</b>	<b>MAT/METH/MATH/EL TEACH</b>	<b>3 hours</b>
<b>ELED 506</b>	<b>ELEM SCH SCIENCE</b>	<b>3 hours</b>
Advanced methods and materials for teaching science in the elementary school.		
<b>ELED 507</b>	<b>MAT/METH SOCIAL STUDIES</b>	<b>3 hours</b>
Concepts and objectives, classroom organization for instruction, current strategies in teaching content, and materials available.		
<b>ELED 508</b>	<b>FND ORG EAR CH</b>	<b>3 hours</b>
Emphasizes the importance of appropriate early learning experiences including philosophical, theoretical, and empirical bases of instruction.		
<b>ELED 509</b>	<b>ADD METH/MAT ECE</b>	<b>3 hours</b>
Examination of alternative instructional strategies and support materials appropriate for early learners in language arts-reading, mathematics, social studies, and science.		
<b>ELED 543</b>	<b>INTERACTIVE TEACH SKILLS</b>	<b>3 hours</b>
<b>ELED 545</b>	<b>IND INVESTIG CLASSRM TCH</b>	<b>1-3 hours</b>
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.		
<b>ELED 570</b>	<b>WORKSHOP/SELECTED TOPICS</b>	<b>1-3 hours</b>
<b>ELED 599</b>	<b>THESIS RESEARCH/WRITING</b>	<b>1-6 hours (6 total)</b>
<b>ELED 600</b>	<b>MAINTAIN MATRICULATION</b>	<b>1-6 hours</b>
<b>ELED 603</b>	<b>SEM ELEM CURRICULUM</b>	<b>3 hours</b>
Strategies and models to assist the elementary classroom teacher in assuming an active role in total elementary school curriculum development.		
<b>ELED 699</b>	<b>IND SPECIALIST PROJECT</b>	<b>1-6 hours (6 total)</b>
<b>ELED 700</b>	<b>MAINTAIN MATRICULATION</b>	<b>1-6 hours</b>
<b>ENG 401G</b>	<b>ADVANCED COMPOSITION</b>	<b>3 hours</b>
Study and practice in various forms of writing and rhetorical principles.		
<b>ENG 402G</b>	<b>EDITING/PUBLISHING</b>	<b>3 hours</b>
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.		
<b>ENG 403G</b>	<b>WRITING MEM &amp; AUTOBIOGRA</b>	<b>3 hours</b>
A course in the techniques of writing autobiography; readings will be chosen primarily from contemporary American examples of the genre.		
<b>ENG 404G</b>	<b>HIST/ENGLISH LANGUAGE</b>	<b>3 hours</b>
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.		
<b>ENG 407G</b>	<b>LINGUISTIC ANALYSIS</b>	<b>3 hours</b>
Prerequisites: ENG 104 OR ENG 302 OR ENG 304 or equivalent. 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.		
<b>ENG 408G</b>	<b>PSYCHO/SOCIOLINGUISTICS</b>	<b>3 hours</b>
Prerequisite: ENG 200 and ENG 407. How sociology and psychology contribute to the study of linguistics. Emphasis on social and regional dialects, first and second language acquisition, and speech perception and production.		
<b>ENG 410G</b>	<b>THEORIES/RHETORIC/COMP</b>	<b>3 hours</b>

Classical and contemporary theories of rhetoric and composition with emphasis on application of the theories to writing and to the teaching of writing.

**ENG 412G THEORY AND PRACTICE OF RHETORIC 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 public and written discourse and the teaching of writing.

**ENG 415G TECHNOLOGY & WRITING 3 hours**

Prerequisite: ENG 300. 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.

**ENG 457G MODERN BRITISH LITERATURE 3 hours**

A study of twentieth-century British literature with emphasis on modernism, including fiction, poetry, and drama; focus on innovations in literary form and cultural context.

**ENG 460G LITERARY CRITICISM 3 hours**

Historical introduction to literary theory, with readings in Western criticism from Plato through the modern period. Focus on historical foundations of contemporary theory, including interpretation, evaluation, and the function of literature.

**ENG 462G LIT THEORY TOPICS 3 hours**

Prerequisite: ENG 300 and 3 hours upper-level literature or permission of instructor. Focusing on developments in literary theory since the middle of the twentieth century, this course devotes special attention to a particular area in post-structuralism (e.g., theory and practice of deconstruction, post-Freudian, feminist, new historical, or cultural criticism).

**ENG 465G FILM GENRES 3 hours**

Prerequisites: ENG 100 and 200 and either BCOM 271 or ENG 365, or instructor's permission. 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.

**ENG 466G FILM THEORY 1-3 hours**

Prerequisites: ENG 366, ENG 365; BCOM 271, or permission of instructor. 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.

**ENG 471G TESL PRACTICUM 4 credits**

Prerequisites: ENG 407G, ENG 408G, ENG 565, ENG 566 and permission of instructor. Supervised observation and instruction in public school or other appropriate settings, culminating in the production of a portfolio. Students are responsible for arranging their own transportation to designated or assigned sites.

**ENG 474G ADVANCED POETRY WRITING 3 hours**

An advanced, intensive course in the writing of poetry, emphasizing the practice and prevalent theories of contemporary poets.

**ENG 475G ADVANCED FICTION WRITING 3 hours**

Prerequisites/corequisites: ENG 303 or equivalent. An advanced and intensive course exploring the techniques of writing fiction, emphasizing contemporary theory and practice.

**ENG 481G CHAUCER 3 hours**

Representative works of Chaucer, with emphasis on The Canterbury Tales; backgrounds; outside readings and reports.

**ENG 482G SHAKESPEARE 3 hours**

Major plays from each stage of Shakespeare's career studied in the light of current Shakespearean criticism and writings from the time.

**ENG 483G ENGLISH RENAISSANCE 3 hours**

Nondramatic literature of the Renaissance, with emphasis on Spenser.

**ENG 484G ROMANTIC MOVEMENT 3 hours**

Background and phases of romanticism; representative exponents of the Romantic Movement.

**ENG 485G THE SEVENTEENTH CENTURY 3 hours**

Seventeenth-century literature, forms, and developments.

**ENG 486G THE EIGHTEENTH CENTURY 3 hours**

Eighteenth-century literature, forms, and developments.

**ENG 487G DANTE-THE DIVINE COMEDY 3 hours**

An intensive study of The Divine Comedy, in English translation, with attention to the medieval background.

<b>ENG 488G</b>	<b>VICTORIAN LITERATURE</b>	<b>3 hours</b>
Selected works by major poets, essayists, and novelists of Victorian England as a reflection of the culture of the age.		
<b>ENG 489G</b>	<b>ENGLISH NOVEL</b>	<b>3 hours</b>
Technique and history of the novel. Several representative novels studied.		
<b>ENG 490G</b>	<b>AMERICAN NOVEL</b>	<b>3 hours</b>
A chronological examination of the American novel and its development from the 18th century to the present. Major literary techniques and movements will be analyzed in the context of several representative American novels.		
<b>ENG 493G</b>	<b>AMERICAN POETRY</b>	<b>3 hours</b>
The course examines, in addition to major writers, selected major movements and schools in American poetry, paying special attention to influences, techniques and styles.		
<b>ENG 494G</b>	<b>KENTUCKY LITERATURE</b>	<b>3 hours</b>
Survey of literary people and places in Kentucky, including detailed study of several works of Kentucky writers.		
<b>ENG 495G</b>	<b>SOUTHERN LITERATURE</b>	<b>3 hours</b>
Intensive study of distinctively Southern characteristics as reflected in the works of major writers with strong cultural and psychological ties to the American South. The development of these characteristics will be examined in historical and social contexts.		
<b>ENG 496G</b>	<b>WOMEN'S POETRY</b>	<b>3 hours</b>
Emphasis is on the themes, aesthetic importance, and historical context of poems predominantly by American women from 1650 to today.		
<b>ENG 497G</b>	<b>WOMEN'S FICTION</b>	<b>3 hours</b>
An examination of the themes, aesthetic importance, and historical context of canonical and non-canonical fiction by women, with emphasis on twentieth century American and British women writers.		
<b>ENG 498G</b>	<b>ROBERT PENN WARREN SEM</b>	<b>3 hours</b>
An intensive study of the fiction, poetry, and non-fiction of Robert Penn Warren, American poet laureate, novelist, and critic. Warren's ties to south-central Kentucky will receive particular emphasis.		
<b>ENG 499G</b>	<b>DIR STUDY/ENGLISH-IND</b>	<b>3 hours</b>
Prerequisites: 3.0 grade point average; senior standing. A study of a specific literary or linguistic topic directed by a faculty member.		
<b>ENG 501</b>	<b>WRITING WORKSHOP</b>	<b>3 hours</b>
Provides a Master's level workshop for students with varied writing interests.		
<b>ENG 502</b>	<b>GRAD DIRECTED WRITING</b>	<b>3 hours</b>
Provides a graduate-level directed writing course for students with varied writing interests.		
<b>ENG 504</b>	<b>STUDIES IN AMERICAN LITERATURE</b>	<b>3 hours</b>
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. May be repeated once, for a total of 6 credit hours.		
<b>ENG 509</b>	<b>PRACTICUM WRITING INSTRUCTION</b>	<b>1 hour</b>
Prerequisites: ENG 100 and ENG 200 and ENG 300. 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.		
<b>ENG 510</b>	<b>RHETORIC &amp; WRITING</b>	<b>3 hours</b>
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.		
<b>ENG 511</b>	<b>WRITING INSTRUCTION PRACTICUM</b>	<b>1 hour</b>
Prerequisites: Department graduate assistant status AND completion of min. 9 hours of English course work. A practicum in composition instruction for English Department graduate assistants who will be teaching ENG 100 as part of their assistantship in subsequent semesters.		
<b>ENG 514</b>	<b>STUDIES IN BRITISH LITERATURE</b>	<b>3 hours</b>
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. May be repeated once, for a total of 6 credit hours.		
<b>ENG 520</b>	<b>INTRO TO GRAD STUDIES</b>	<b>3 hours</b>
Basic bibliography and bibliographical problems; research methods requisite for the MA thesis and scholarly publications; methodologies of recent critical essays.		
<b>ENG 524</b>	<b>STUDIES IN WORLD LITERATURE</b>	<b>3 hours</b>

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. May be repeated once, for total of six credit hours.

**ENG 534 STUDIES IN GENRE 3 hours**

Study of a particular genre, such as the novel, short stories, life writing, poetry, or drama. Topics will vary. May be repeated once, for total of six credit hours.

**ENG 565 INTEGRATED TESL 3 hours**

Prerequisite: One course in linguistics or permission of instructor. Field experiences in public schools or other appropriate settings away from campus are required. Students are responsible for arranging their own transportation to designated or assigned sites.

**ENG 566 TEACHING & TESTING ESL GRAMMAR 3 hours**

Prerequisite: ENG 407G. Field experiences in public schools or other appropriate settings away from campus are required. Students are responsible for arranging their own transportation to designated or assigned sites.

**ENG 586 SEMINAR BRITISH WRITERS 3 hours**

Content varies. Selected works or writers. May be repeated once with a different topic.

**ENG 596 SEMINAR AMERICAN WRITERS 3 hours**

Topics will vary. Selected works or writers. May be repeated once with a different topic.

**ENG 597 SPECIAL TOPICS 3 hours**

Seminar on topics in literature, language, or composition. Course may be repeated with different content.

**ENG 598 ADVANCED DIRECTED STUDY 3-6 hours**

Supervised student research on literary or linguistic topics.

**ENG 599 THESIS RESEARCH/WRITING 1-6 hours (6 total)**

**ENG 600 MAINTAIN MATRICULATION 1-6 hours**

**ENV 410G WATER TREATMENT PROCESSES 3 hours**

Prerequisite: ENV 280. Design and operational characteristics of unit processes in water and waste-water treatment; fundamentals of water chemistry pertaining to chemical, biological, and physical treatment.

**ENV 460G INDUST ENV MGT 3 hours**

Prerequisites: ENV 280, ENV 360, ENV 410, ENV 480. This course will require frequent off-campus travel to a local industrial facility. Focuses on air, water and waste management issues in the industrial setting. Includes discussion of pertinent environmental legislation, mandated industrial environmental programs, and required air, water and waste permits. Course includes an in-depth field project with a local industry.

**ENV 480G HAZ & SOLID WASTE 3 hours**

Prerequisites: ENV 280. Includes the physical, chemical and biological stressors associated with both hazardous and solid waste. Emphasis on characterization and remediation efforts.

**ENV 495G ENV MEASUREMENT 3 hours**

Prerequisites: ENV 280, ENV 360, ENV 410, ENV 480. Includes environmental measurements methods for air, soils and water analysis. Devices covered include AA, GC/MS, XRF, PID, SEM, colorimetric tubes, and water quality instruments.

**ENVE 520 INTRO TO ENVIRONMENTAL EDUC 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.

**ENVE 560 INVESTIGATING ENVIRON ISSUES 3 hours**

Effective Fall 2009 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.

**ENVE 580 INSTRUCT STRAT ENVIR EDUC 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.

**ENVE 585 SPECIAL TOPICS IN ENVIR ED 1-3 hours**

A consideration of special topics to acquaint the advanced student with significant problems and developments of current interest in environmental education.

**EXED 419G ASSISTIVE TECH CLASS/COMMUNITY 3 hours**

Prerequisite: EXED 516. 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.

**EXED 421G SPEC ED & THE LAW: INTER/APPL 3 hours**

Prerequisite: EXED 516. 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.

**EXED 422G COLLAB INCLU SHCOOL/COMMUNITY 3 hours**

Prerequisite: EXED 516. 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.

**EXED 430G DIAG INSTR PLAN MILD DISABILITY 3 hours**

Prerequisite: An introductory course in exceptional education 3 hours. EXED 331 and EXED 333 6 hours. (undergraduate prerequisites/graduate deficiencies). Administration, scoring, and educational utilization of various diagnostic instruments designed to assist the development of educational profiles for individuals with school-related problems. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation.

**EXED 431G LANG INTERVENT: STRAT MATERIAL 3 hours**

Prerequisites: EXED 516. An overview of language development is provided with emphasis placed on the educational remediation of the language disorders of individuals with disabilities. Focus is on the utilization of methods and materials which foster language development. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

**EXED 432G APPLIED BEHAVIOR ANALYSIS 3 hours**

Prerequisite: An introductory course in Exceptional Education 3 hours, EXED 331 and EXED 333 6 hours (undergraduate prerequisites/graduate deficiencies). 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. Students are responsible for providing their own transportation.

**EXED 460G SPECIAL PROBLEMS 1-3 hours**

Investigation of a special problem from an area of individual interest. Course pass required.

**EXED 515 EDUC EXCEP CHIL 3 hours**

Introductory course for initial certification in Exceptional Education. Induction issues in special education are examined.

**EXED 516 EXCEPT CHILD: PERSPECT/ISSUE 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.

**EXED 517 TRANS SRVCS INDIV DISABILITIES 3 hours**

Prerequisites: EXED 516 and EXED 530 and EXED 531

**EXED 518 SEM: CONTEMP ISSUES SPEC ED 3 hours**

Prerequisite: Minimum of 12 hours of graduate level course work in Exceptional Education, Instructor permission. Issues in special education. Classroom experiences to develop awareness and sensitivity to educational needs.

**EXED 523 CURR/METH EARLY CHILD SPEC ED 3 hours**

Prerequisites: IECE 521, 522, 523. Selection/development of curricula materials for planning, implementation, and evaluation of intervention with children P-5 who have disabilities.

**EXED 530 ADV 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.

**EXED 531 ADV PRESCRIPTIVE TEACHING 3 hours**

Adapting the learning environment to the learner. The identification and modification of various aspects of specialized learning environments are examined.

**EXED 532 FAMILIES, PROF & EXCEPTIONALI 3 hours**

Interpreting programs for individuals with disabilities to maximize family involvement. Emphasizes the attitudes, skills, and knowledge taught in the educational program.

**EXED 533 CURR FOR MOD/SEV DISABILITIES 3 hours**

Prerequisites: EXED 516 and EXED 530 and EXED 531. Development, adaptation, and evaluation of curricula, methods, materials, and resources. Implementing and evaluating instructional programs for students with mild disabilities is stressed.

**EXED 534 RESEARCH IN EXED 3 hours**

Reading, interpreting and conducting research related to students with disabilities, parents, and teachers. An independent research project is required. May be repeated once with permission of the program director.

**EXED 535 CURRICULUM FOR MOD/SEV DIS 3 hours**

**EXED 590 ADV INTERNSHIP EXCEPTIONAL EDU 3 hours**

Prerequisite: Must pass PRAXIS II. Clinically supervised instructional practice in an approved setting for development of advanced skills and experience. Grading for this course will be Pass/Fail.

**EXED 599 THESIS RESEARCH & WRITING 1-6 hours (6 total)**

**EXED 600 MAINTAINING MATRICULATION 1-6 hours**

**EXED 610 CHARACTERISTICS OF ASD 3 hours**

Prerequisite: Masters. Comprehensive review of ASD from the perspectives of various disciplines. Theories of causation, developmental aspects, descriptive and diagnostic characteristics, and legal and social issues. Thirty field experience hours required.

**EXED 612 COLLABORATION FOR IND WITH ASD 3 hours**

Prerequisites: EXED 610 and Masters. 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.

**EXED 615 INSTR STRAT & DESIGN ASD 3 hours**

Prerequisites: EXED 615 and Masters. Development of competencies and philosophies of instructional design specific to teaching students with ASD. Emphasis on research-based instructional strategies, plans and classroom structures.

**EXED 618 SOC SK INSTR & BEH PRG ASD 3 hours**

Prerequisite: EXED 618 and Masters. Development of competencies in assessing, designing, and implementing social skills instruction and behavioral programming for students with Autism Spectrum Disorders.

**EXED 619 ASSIS TECHN & COMMUN FOR ASD 3 hours**

Prerequisite: EXED 610 and Masters. Investigation of assistive and instructional technology, as well as alternative and augmentative communication devices to implement with students with ASD and PDD.

**EXED 620 SEMINAR IN ADMIN OF SPEC EDUC 3 hours**

Current trends and issues in the administration and supervision of special education programs. Cross-listed with EDAD 620.

**EXED 625 PRAC: ADMIN OF SPECIAL EDUC 3 hours**

Supervised practice in educational organizations for persons preparing to become a Director of Special Education. Cross-listed with EDAD 625.

**EXED 630 SPECIAL EDUC LAW & 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.

**FIN 437G CORPORATE ASSET MGT 3 hours**

Prerequisite: Completion of FIN 330 with a grade of 'C' or better and completion of, or current enrollment in ECON 307. 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.

**FIN 438G CORPORATE FUNDS MGT 3 hours**

Prerequisite: Completion of FIN 330 with a grade of 'C' or better and completion of, or current enrollment in ECON 307. 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.

**FIN 439G SEC ANALYS/PORTFOLIO MGT 3 hours**

Prerequisites: FIN 332. An advanced level exposure to fixed income and equity security valuation, and the theory and practice of portfolio management.

**FIN 449G PRACTICUM IN PORTFOLIO 3 hours**

Prerequisites: FIN 332. Special Information: May be repeated for credit. 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.

- 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.
- 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.
- FLK 446G RESTORATION OF HIST INTERIORS 3 hours**  
 Design and other aspects of interior historic restoration of both academic and vernacular structures. Attention focused on aesthetic issues of designing domestic and commercial historic interiors for restoration. Cross-listed with Consumer and Family Sciences 446G.
- FLK 447G HIST ARCHITECTURE INTERIORS 3 hours**  
 Analysis of styles in architectures and interiors from ca. 1900 to present time. Emphasis on interiors and furnishings of both academic and vernacular structures and the forces which affected their development. Cross-listed with Consumer and Family Sciences 447G.
- 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. Cross-listed with Public Health 462G.
- 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.
- FLK 470G MUSEUM PROC/PRESERVATION TECH 3 hours**  
 Essential aspects of museums and of preservation, i.e., collecting, preserving, researching, exhibiting, and interpreting material culture.
- FLK 478G FOLKLORE & 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.
- 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.
- 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.
- 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.
- FLK 562 FOLKLORE AND EDUCATION 3 hours**
- FLK 566 ORAL HISTORY 3 hours**  
 Methods and theories of oral history, legal and ethical considerations, uses and planning of local oral history projects.
- 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.
- FLK 570 APPALACHIAN FOLKLORE/LIFE 3 hours**  
 Folklife and culture of southern Appalachia, with emphasis on verbal, customary, and material traditions.
- FLK 571 FOLK NARRATIVE 3 hours**  
 A survey of narrative genres of folklore and relevant scholarship.
- FLK 572 PUBLIC FOLKLORE 3 hours**  
 History, methods, and issues of public folklore.
- FLK 574 URBAN FOLKLORE 3 hours**

Folkloric aspects of urban America, with special emphasis on legends, customs, beliefs, and other lore of today's regional, occupational, and ethnic groups.

**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.

**FLK 576 AM TRADITIONAL MUSIC 3 hours**

An examination of diverse forms of traditional American musical expression.

**FLK 577 FOLKLORE THEORY 3 hours**

Folklore scholarship, its historical development, and its principal bibliographical materials.

**FLK 578 FOLKLORE FIELDWORK 3 hours**

Examination of methodological issues and techniques in folklore fieldwork.

**FLK 579 INDEPENDENT STUDY FOLKLORE 3 hours**

Supervised individual study under the direction of a member of the folklore graduate faculty. (course pass required)

**FLK 580 FOLKLORE CONVER/COMM 3 hours**

Forms of folklore which occur within a conversational stream. Expressive culture as a particular culture-specific mode of communication.

**FLK 585 TOPICS IN FOLKLORE 3 hours**

Topics of current interest in the field. Content varies according to the instructor and needs of the students. May be repeated once.

**FLK 589 INTERNSHIP 3 hours**

Supervised work situation with cooperating business, industry, social or governmental agency, emphasizing application of advanced knowledge and skills in folk studies. (course pass required)

**FLK 599 THESIS RESEARCH WRITING 1-6 hours (6 total)**

**FLK 600 MAINTAIN MATRICULATION 1-6 hours**

**FREN 420G FRENCH COMP STYLISTICS 3 hours**

Prerequisite: FREN 320. Creative self-expression, refinement of grammatical understanding, the art of translation, and stylistic devices.

**FREN 421G ADV FRENCH CONVERSATION 3 hours**

Prerequisite: FREN 321. Discussion on assigned topics and reports on current newspaper and magazine articles. Special emphasis on idiomatic expression.

**FREN 427G FRANCOPHONE CULTURE 3 hours**

Prerequisites: FREN 323. Covers all Francophone countries (including France) and deals with various aspects of culture: oral literature (legends, customs, etc.), music, religion.

**FREN 445G FRENCH CANADIAN LIT 3 hours**

Prerequisite: FREN 321, 314, 325, or 326, or instructor's permission. A survey of the Quebecois novel, theatre and poetry through a selection of 19th and 20th century writers.

**FREN 450G TOPICS 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.

**FREN 520 SEM FRENCH LIT/LANG 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.

**GEOG 410G ADVANCED CARTOGRAPHY 3 hours**

Prerequisite: Cartography I (315). History of cartography, map compilation, lettering and typography; cartographic design, map reproduction, use of color, map projections, scribing techniques.

**GEOG 416G REMOTE SENSING 3 hours**

Prerequisites: GEOG 317, or instructor's permission. Remote-sensing techniques and their application in the study of the biophysical environment through use of satellite imagery, including visible, infrared, and radar data.

**GEOG 417G GIS ANALYSIS & MODELING 3 hours**

Prerequisites: GEOG 317 and GEOG 319, or instructor's permission. Develops expertise with a broad range of spatial analysis functions applied within a cartographic modeling framework.

**GEOG 419G GIS APPLICATIONS DEVELOPMENT 3 hours**

Prerequisite: GEOG 417G and CS 230. Planning and implementing GIS within an organization. Designing and developing GIS applications to support spatial decision making.

**GEOG 420G GEOMORPHOLOGY 1-4 hours**

The origin, history, and characteristics of landforms produced by fluvial, glacial, wind and wave erosion and by masswasting and ground-water.

**GEOG 421G ADV GEOMORPHOLOGY 3 hours**

Prerequisite: GEOG 420. Landform development under processes associated with running water. Principal topics are: climate and geomorphic processes; weathering; the drainage basin as a geomorphic unit; channel form; hillslope characteristics; drainage pattern evolution, etc.

**GEOG 422G CLIMATOLOGY 1-4 hours**

This course presents the elements of climate and their world distribution with emphasis on climatic controls and processes; surveys the influences of climates on environment; introduces climatic classification systems and climatological regions of the world.

**GEOG 423G TRANSPORT, LOCATION, AND GIS 3 hours**

GEOG 317, or permission of instructor. The problems of interaction, diffusion and information transfer as they appear in a spatial context.

**GEOG 424G WEATHER ANAL/FORECASTING 3 hours**

Analysis of the atmosphere using satellite and radar imagery. Weather forecasting techniques using surface and upper air data are also examined.

**GEOG 426G METEOROLOGY/CLIMATOLOGY 3 hours**

Prerequisite: GEOG 422 or permission of instructor. 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.

**GEOG 427G WATER RESOURCES 3 hours**

Prerequisite: GEOG 310. Opportunities and constraints of natural hydrologic processes in maintaining or reclaiming environmental quality. Storm water runoff, floods, droughts and water resources planning, development and management.

**GEOG 428G APPL/GRNDWTR HYDROLOGY 4 hours**

Prerequisites: GEOG /GEOL 310 and GEOL 440. Groundwater contamination and procedures used in groundwater investigations. Regulations, monitoring wells, groundwater flow, tracer studies, aquifer pumping tests, contaminant plumes, groundwater modeling, remediation and cleanup.

**GEOG 430G CULTURAL GEOGRAPHY 3 hours**

Prerequisites: 6 hours of cultural geography, or instructor's permission. Examines the concept of culture as it relates to the geographic landscape. Topics include the built environment, symbolic landscapes, representation of place in film, literature, photography, music, subaltern geographies, landscapes and cultures of work, and place-situated identity. Course provides an overview of research methods and themes in cultural geography. Field trip and field research required.

**GEOG 431G DYNAMIC METEOROLOGY 3 hours**

Prerequisites: GEOG 121 and MATH 122 and PHYS 201/207, or permission of instructor. Topics related to atmospheric motions at various spatial-temporal scales, including thermodynamics, vorticity, and mesoscale circulation.

**GEOG 434G HIST PRESERVE/PLANNING 3 hours**

Historic preservation methodology and practice as related to urban, small town, and rural neighborhoods. Includes historic preservation law and impact statements. Field project required.

**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.

**GEOG 452G FIELD STUDIES/GEOGRAPHY 3 hours**

Prerequisite: Permission of instructor. Field methods are emphasized in problems which are assigned. Field work is required.

**GEOG 454G GEOGRAPHY/MIDDLE AMERICA 3 hours**

A regional analysis of Mexico, Central America, and the West Indies.

**GEOG 462G GEOGRAPHY/S AMERICA 3 hours**

Physical and cultural bases of South America's geographic patterns with an emphasis on problems of urban and regional development.

**GEOG 464G EUROPE 3 hours**

A geographical analysis of Europe.

**GEOG 465G GEOGRAPHY/ASIA 3 hours**

Regional differences with emphasis on the distribution and activities of the peoples relative to the natural and economic setting and to problems of development.

**GEOG 466G AFRICA 3 hours**

Geographic survey, assessing the relationships of the physical and cultural patterns to actual and potential economic development.

**GEOG 467G GEOGRAPHY/MIDDLE EAST 3 hours**

Various aspects of the sequent occupance of Southwestern Asia and surrounding regions mentioned in the Bible.

**GEOG 473G CAVE & KARST ENVIRONMENT 3 hours**

Prerequisites: BIOL 120, 121 or equivalent. Discussion of biological diversity, groundwater and humanity's role in utilizing and conserving the unique features of karst areas and use of these areas in teaching.

**GEOG 474G ENVIRONMENTAL PLANNING 3 hours**

An advanced integrative course in environmental science and planning dealing with urban and rural areas. Emphasis on ecological planning strategies for improving climatic conditions, conserving water and optimizing vegetative and aquatic habitats while allowing for sustainable economic development at reduced cost.

**GEOG 479G INDUSTRIAL & COMM GEOS 3 hours**

Prerequisite: GEOG 350 or permission of instructor. Manufacturing and commercial activities and facilities related to assembling of raw materials and distribution of products.

**GEOG 484G PLANNING: THEORY/APPL 3 hours**

Planning theory, practice, and organizational structure.

**GEOG 485G POPULATION & RESOURCES 3 hours**

Prerequisite: Permission of instructor. The distribution of population and population characteristics are viewed against the background of the resources and cultures of the world.

**GEOG 488G RURAL PLANNING 3 hours**

Principles and practices of rural planning with emphasis on the relationships between planning and economic, social, and ecologic problems in the rural setting.

**GEOG 492G SPATIAL ANALYSIS 3 hours**

Prerequisites: GEOG 300, 491 or equivalent. History and philosophy of spatial analysis. Applications of spatial analytical techniques in an interactive computer-based environment.

**GEOG 493G GEOGRAPHIC INFO SYSTEMS 3 hours**

Prerequisite: Upper division or graduate standing, minimum of 18 hours in agriculture and related areas. Effect of diminishing resources, environmental pollution, and short-term economics on the sustainability of production agriculture. Emphasis on managing crops, livestock, and other farm resources in providing an ecological-economical balance in agricultural production.

**GEOG 497G SPATIAL DEC SUPP SYS 3 hours**

Prerequisite: GEOG 350. Theory of locational decision making. Application of locational models in an interactive computer-based environment. The following graduate course, specially designed for teachers of natural and earth science, is offered in Geology.

**GEOS 500 GEOSCIENCE RESEARCH & LITERACY 4 hours**

Development of geographic research skills with emphasis on posing of research problems, documentation, organization, and presentation.

**GEOS 501 GEOSCIENCE AND DEVELOPMENT 3 hours**

Topical seminar examining current issues and trends of the discipline and related fields, recent research, and the role of science in society, technology and culture.

**GEOS 502 GEOSCIENCE FIELD RESEARCH METH 4 hours**

An introduction to field techniques and methodology. Surveying, sampling, and water testing are emphasized.

**GEOS 505 BIOGEOGRAPHY 3 hours**

Prerequisites: Introductory courses in geography and/or biology, and permission of the instructor. The evolutionary, geographical, ecological, pedological, and edaphic factors involved in the naturalization, acclimatization, and distribution of plant and animal life.

**GEOS 506 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 multi-disciplinary perspective. Required for the MS Environmental Science emphasis degree.

- GEOS 507      GEOS FOR TEACHERS      3 hours**  
 Equivalent courses: EDU 507. 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.
- GEOS 510      GEOSCIENCE RESEARCH TOPICS      1-3 hours**  
 Supervised independent research in applied or basic geoscience topics.
- GEOS 515      REMOTE SENSING APPLICATIONS      4 hours**  
 Prerequisite: GEOG 317 or permission of instructor. Applications of remote sensing, analysis of current systems in use globally, and use of data for research and policy. A research project that allows students to apply remote-sensing techniques to an area of investigation is required. Associated laboratory work includes RS techniques (course fee).
- GEOS 517      SPATIAL DATABASES      3 hours**  
 Prerequisites: GEOG 417G AND GEOG 419G OR Instructor's Permission. 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. (Course fee required.)
- GEOS 520      GEOSCIENCE STATISTICAL METHODS      4 hours**  
 Prerequisites: GEOG 491 or equivalent. Multivariate statistical methods for analyzing and modeling spatial data and processes. Regression methods, including spatial autoregressive and spatial varying parameter models. Principal components, cluster analysis and other multivariate methods. Applications in an interactive computer-based environment.
- GEOS 521      SEMINAR IN GEOMORPHOLOGY      3 hours**  
 Prerequisites: GEOG 420 or equivalent, and 3 hours in upper level physical geography or geology. 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.
- GEOS 522      SEMINAR PHYSICAL CLIMATOLOGY      3 hours**  
 Prerequisites: GEOG 422 and permission of instructor. The effects of climatic controls on micro climates and climatic anomalies. The application of climate to daily life. Detailed use of climatological characteristics.
- GEOS 523      URBAN GIS APPLICATIONS      4 hours**  
 Prerequisites: GEOG 417G and GEOG 419G or special instruction of the instructor. 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 required.)
- GEOS 524      METEOROLOGY/SCIENCE TCH      3 hours**  
 Basic weather course with emphasis on new developments and applications in the classroom.
- GEOS 525      SEMINAR IN POLITICAL GEOGRAPHY      3 hours**
- GEOS 530      SEMINAR IN CULTURAL GEOGRAPHY      4 hours**  
 Prerequisite: GEOG 430 or permission of instructor. Seminar-field experience. Covers cultural origins and dispersals, environmental perception and behavior, and resulting consequence upon the geographic landscape.
- GEOS 533      SEMINAR IN SYNOPTIC METEROLOGY      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.
- GEOS 534      HISTORIC PRESERVATION PL      3 hours**  
 Prerequisite: GEOG 434G. Field application of historic preservation method and techniques.
- GEOS 535      SEMINAR IN DYNAMIC METEROLOGY II      3 hours**  
 Prerequisites: GEOG 431G or permission of instructor. Phenomena related to large-scale tropospheric dynamics. Topics include moist and dry thermodynamics, applications of balanced flow, boundary layer processes, and vorticity.
- GEOS 537      SEMINAR IN MESOSCALE METOEROLOGY      3 hours**  
 Prerequisites: GEOG 121, MATH 327, and PHYS 265/266, or permission of instructor. Use of mesoscale analysis techniques in the prediction of convective precipitation systems, including severe thunderstorms, tornadoes, and hurricanes.
- GEOS 538      SEMINAR IN PHYSICAL METEOROLOGY      3 hours**  
 Prerequisites: GEOG 121, MATH 327, and PHYS 265/266, or permission of instructor. Microscale analytic techniques related to radiative transfer in the atmosphere, cloud and precipitation processes, and dry and moist thermodynamics.

- GEOS 540      ADVANCED REGIONAL GEOS      3 hours**  
Prerequisites: Two courses in regional geography and consent of instructor. The regional method as a basic approach to geographic research via one or more major regional units.
- 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.
- GEOS 544      PRACTICAL ENVIRONMENTAL ETHICS      3 hours**  
Prerequisite: GEOG 280 or Equivalent Course. 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.
- GEOS 550      ADVANCED ECONOMIC GEOS      3 hours**  
Prerequisites: GEOG 350, 478 or 479, and permission of instructor. An examination of the major theories in economic geography.
- GEOS 555      GLOBAL ENVIRONMENTAL CHANGE      3 hours**  
Prerequisites: GEOG 280, or instructor's permission. Examines key themes in environmental change at the global scale, environmental policy formation, and relevance of environmental change for policy implementation and assessment.
- GEOS 560      SETTLEMENT GEOGRAPHY      3 hours**  
Prerequisite: GEOG 430 or consent of instructor. Sources and philosophies of settlement studies. Investigations of selected settlement patterns with emphasis on rural and rural non-farm settlement; farmstead, hamlet, village and town, and functionally related features, architectural style, and functional rationale.
- GEOS 571      QUAL LIFE/ENVIRON PROB      3 hours**  
Seminar approach to developing critical ecological sensitivity through analysis of past and present environmental problems, implemented and alternative solutions.
- GEOS 577      SPECIAL TOPICS IN GIS      3 hours**  
Prerequisites: GEOG 417G and GEOG 419G. 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 (course fee).
- GEOS 580      PROB/URBAN GEOGRAPHY      3 hours**  
Analysis of problems of American cities.
- GEOS 584      ADV PLANNING      3 hours**  
Prerequisite: GEOG 484. Analysis of advanced topics and results of recent research in city and regional planning.
- GEOS 585      AD POPULATION GEOS      3 hours**  
Prerequisite: Permission of instructor. Seminar approach to regional and world problems in human population.
- GEOS 587      ENVIRONMENTAL LAW      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.
- GEOS 590      EXPERIMENTAL DESIGN      3 hours**  
Prerequisite: GEOG 491 or permission of instructor. (Cross-listed with Agriculture 590). Statistical consideration in experimental design: Covariance, multiple regression, factorial design, incomplete block designs, etc.
- GEOS 595      GEOSCIENCE PRACTICUM      3-6 hours**  
Prerequisites: GEOS 500, 502 and 520. Supervised geoscience practicum experience in a cooperating government or private agency, business, or community.
- GEOS 599      THESIS RESEARCH/WRITING      1-6 hours (6 total)**
- GEOS 600      MAINTAIN MATRICULATION      1-6 hours**
- GEOL 405G      PALEONTOLOGY      1-4 hours**  
Prerequisites: GEOL 112 and 114 and BIOL 120-121 or permission of instructor. A basic course in palobiology including the nature of the fossil record, preservation, basic factors and theories relating to the origin and development of living systems and the process of evolution, the species concept, systematics, and paleoecology.



Major invertebrate taxa with a significant fossil record are also studied. Laboratory work includes the examination, description, and classification of fossil specimens.

**GEOL 415G ENVIRONMENTAL GEOLOGY 3 hours**

Prerequisite: GEOL 111-113 or 102 or GEOG 100 or permission of instructor. 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.

**GEOL 420G GEOMORPHOLOGY 1-4 hours**

(Cross-listed with geography.) Prerequisite: GEOG 100 or GEOL 111. The study of the origin, history, and characteristics of landforms produced by fluvial, glacial, wind, and wave erosion and mass-wasting and ground water or by combination of these, acting upon the major types of earth materials and structures. Laboratory work includes the interpretation of topographic and geologic maps, air photos, and stereopairs. A field trip may be required.

**GEOL 440G HYDROGEOLOGY 3 hours**

Corequisite: MATH 126. Prerequisite: GEOG 310, GEOL 310 or permission of instructor. Origin, occurrence, and movement of ground water; water wells and aquifer evaluations; exploratory investigations; quality of ground water supplies; legal aspects.

**GEOL 445G AQUEOUS GEOCHEMISTRY 3 hours**

Prerequisites: CHEM 120 and 121. 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.

**GEOL 460G SEDIMENTATION AND STRATIGRAPHY 1-3 hours**

Prerequisite: GEOL 380. Introduces sedimentary processes, including sediment origins, erosion, transportation, deposition, and diagenesis. Sedimentation patterns and stratigraphic architecture are studied in the context of depositional and tectonic settings.

**GEOL 465G GEOPHYSICS 3 hours**

Prerequisites: GEOL 111 and one year of college physics or permission of instructor. 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.

**GEOL 470G TECTONICS 3 hours**

Prerequisite: Geology 308. Deformational structure and style of various crustal regions. Regional tectonics of North America is emphasized.

**GEOL 475G IND TOPICS/GEOLOGY 1-3 hours**

Prerequisite: Permission of instructor. A lecture-discussion course in which advanced or special topics in geology are considered in detail.

**GEOL 480G COAL GEOLOGY 1-4 hours**

Prerequisite: GEOL 370 or equivalent. Origins, characteristics, and occurrences of coal and coal-bearing strata. Relations between depositional environment and coal characteristics, techniques in coal exploration and the evaluation of coal prospects are emphasized. Field trip required. Petrographic description and classification are studied in the lab.

**GEOL 485G GEOLOGY OF FOSSIL FUELS 3 hours**

Prerequisite: GEOL 308 or Permission of Instructor. 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.

**GEOL 490G PETROLEUM GEOLOGY 3 hours**

Prerequisite: GEOL 370 or equivalent. Concepts of oil formation, source-rock evaluation, thermal maturation, and petroleum migration are reviewed. Emphasis is placed on characterization of petroleum reservoirs and traps and on the techniques employed by geologists in exploration for oil and gas accumulations. Field trip required.

**GEOL 492G SPATIAL ANALYSIS 3 hours**

(cross-listed with geography) Prerequisites: GEOG 300, GEOG 391. History and philosophy of spatial analysis. Applications of spatial analytical techniques in an interactive computer-based environment.

**GEOL 511 THE DYNAMIC EARTH 3 hours**

<b>GERM 430G</b>	<b>GERMAN COMP AND CONVERS</b>	<b>3 hours</b>
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.		
<b>GERM 432G</b>	<b>HISTORY OF GERMAN LANGUAGE</b>	<b>3 hours</b>
<b>GERM 435G</b>	<b>GERMAN LIT 19/20TH CENTURY</b>	<b>3 hours</b>
Major German, Austrian, and Swiss writers of the 19th and 20th centuries, with emphasis on prose and drama.		
<b>GERM 436G</b>	<b>GERMAN LIT OF CLASSIC PERIOD</b>	<b>3 hours</b>
Prerequisite: GERM 314. The outstanding works of Goethe, Schiller, and other authors of the late 18th and early 19th centuries.		
<b>GERM 437G</b>	<b>GERMAN LITERATURE AND FILM</b>	<b>3 hours</b>
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.		
<b>GERM 555</b>	<b>TOPICS IN GERMAN LIT &amp; CULTURE</b>	<b>3 hours</b>
Prerequisite: Graduate Status. This course will examine different topics of interest in German literary and cultural studies.		
<b>GERO 501</b>	<b>PERSPECTIVES IN AGING</b>	<b>3 hours</b>
Overview of the fundamental theories, issues and concepts in gerontology. Includes individual and societal aging; and disciplinary perspectives of adaptations and changes to aging.		
<b>GERO 503</b>	<b>POLICY FOUNDATIONS OF AGING SERVICES</b>	<b>3 hours</b>
Provides students with knowledge of the policy process and the politics of aging. Focuses on aging policy development & analysis by offering insight into relevant aging issues.		
<b>GERO 505</b>	<b>DEVELOPMENT &amp; CHANGE OF AGING PROGRAMS</b>	<b>3 hours</b>
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.		
<b>GERO 510</b>	<b>CURRENT ISSUES IN AGING</b>	<b>3 hours</b>
Addresses selected topics in aging presented at an advanced level considered key for gerontology professionals.		
<b>GERO 581</b>	<b>GLOBAL AGING</b>	<b>3 hours</b>
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.		
<b>GTE 536</b>	<b>NEEDS GIFTED/STUDENTS</b>	<b>3 hours</b>
Terminology, theories, issues and general approaches in educating gifted, creative, and talented young people.		
<b>GTE 537</b>	<b>CURRIC/GIFTED STUDENTS</b>	<b>3 hours</b>
The curriculum and the learning environment in meeting the unique and advanced needs of gifted students. Strategies particularly suitable for the gifted.		
<b>GTE 538</b>	<b>PRACTICUM/TEACH/GIFTED</b>	<b>3 hours</b>
Prerequisites: GTE 536, 537, and PSY 432G. Supervised experiences to integrate the knowledge and skills needed to plan, implement, and evaluate effective learning experiences for gifted, creative, and talented students.		
<b>HCA 401G</b>	<b>FUND HEALTH FINANCIAL MGT</b>	<b>3 hours</b>
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.		
<b>HCA 520</b>	<b>STATISTICAL APP IN HLTH CARE</b>	<b>1 hour</b>
Co-requisite: PH 520. This course covers basic statistical applications in SPSS and MS Excel. Familiarity with personal computers is assumed.		
<b>HCA 530</b>	<b>INDEPENDENT INVEST IN HCA</b>	<b>1-6 hours</b>
Research problems or projects in the area of health care administration.		
<b>HCA 540</b>	<b>HEALTH CARE ORG &amp; MGT</b>	<b>3 hours</b>
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.		
<b>HCA 541</b>	<b>STRATEGIC MGT &amp; MKT HLTH SVCS</b>	<b>3 hours</b>
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.		
<b>HCA 542</b>	<b>HLTH CARE HUMAN RSRs ADM</b>	<b>3 hours</b>

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.

**HCA 543 HC QUALITY AND ACCOUNTABILITY 3 hours**

Prerequisite: HCA 540. 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.

**HCA 544 HC SYS DESIGN & 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.

**HCA 545 MANAGERIAL FIN ANCE IN HS 3 hours**

Prerequisites: HCA 540 and BA 505. 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.

**HCA 546 GRADUATE INTERNSHIP 1-6 hours**

Supervised, full-time experience in a facility or in an agency approved by the Department of Public Health. A maximum of six hours may be earned.

**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.

**HCA 555 H/C PREPAREDNESS & LEADEDRSHIP 3 hours**

Prerequisite: HCA 540. 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.

**HCA 556 AMB CARE OF RURAL HEALTH 3 hours**

Prerequisite: HCA 540. 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.

**HCA 564 HEALTH SYSTEMS INFORMATICS 3 hours**

Corequisite: HCA 565. 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.

**HCA 565 INFORMATION SYSTEMS LAB 1 hour**

Management of health care data using MS Excel and MS Access. Basic familiarity with personal computers is assumed.

**HCA 571 MANAGED CARE 3 hours**

Prerequisite: HCA 540. Overview of managed care and organized delivery systems, including history, organizational structures, financing, cost containment strategies, and policy issues.

**HCA 572 TOPICS IN HLTH 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.

**HCA 574 DECISION MAKING IN HEALTH CARE 3 hours**

Prerequisite: HCA 540. 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.

**HCA 586 HEALTH ECONOMICS & POLICY 3 hours**

Economic principles applied to the study of health care facilities, health services and manpower.

**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.

**HIST 407G CRUSADES 3 hours**

A study of the idea of holy war and political, social, and cultural interaction in the Mediterranean World from 1000 to 1300.

**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.	
<b>HIST 422G</b>	<b>FRENCH REV/NAPOLEON</b>	<b>3 hours</b>
	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.	
<b>HIST 425G</b>	<b>MODERN GERMANY</b>	<b>3 hours</b>
	A survey of German history from the early nineteenth century to the present.	
<b>HIST 426G</b>	<b>HITLER &amp; NAZI GERMANY</b>	<b>3 hours</b>
	A detailed study of German history between 1933 and 1945, emphasizing the political, economic, social, diplomatic, and military aspects.	
<b>HIST 428G</b>	<b>ENGLAND SINCE 1914</b>	<b>3 hours</b>
	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.	
<b>HIST 440G</b>	<b>COL HIST/AMER TO 1776</b>	<b>3 hours</b>
	The founding and development of the colonies, emphasizing political, social, cultural, and economic institutions.	
<b>HIST 442G</b>	<b>AGE OF JACKSON 1815-1850</b>	<b>3 hours</b>
	A detailed study of social, political, and economic events from the War of 1812 through the War with Mexico.	
<b>HIST 448G</b>	<b>AMERICAN BIOGRAPHIES</b>	<b>3 hours</b>
	The lives of famous Americans, the times in which they lived, and the skills of their biographers.	
<b>HIST 449G</b>	<b>KOREA &amp; VIETNAM</b>	<b>3 hours</b>
	A detailed study of both the Korean and Vietnam conflicts and how they related to the overall foreign policy of the U.S.	
<b>HIST 450G</b>	<b>DIPLOM HISTORY/US TO 1898</b>	<b>3 hours</b>
	An analysis of American diplomacy from the colonial period through the Spanish-American War.	
<b>HIST 451G</b>	<b>DIPLOM HISTORY/U S SN 1898</b>	<b>3 hours</b>
	An analysis of American diplomacy from the Spanish-American War to the present.	
<b>HIST 454G</b>	<b>HISTORY OF RELIGION IN AMERICA</b>	<b>3 hours</b>
	Survey of the development of religion in America. Among topics: separation of church and state and American civil religion.	
<b>HIST 460G</b>	<b>TRADITIONAL EAST ASIA</b>	<b>3 hours</b>
	A study of the political, socioeconomic, intellectual, and cultural history of China and Japan to 1600.	
<b>HIST 462G</b>	<b>HISTORY OF MIDDLE EAST</b>	<b>3 hours</b>
	A study of the history, religion, and culture of the Middle East from the rise of Islam until the present.	
<b>HIST 464G</b>	<b>LATIN AMERICA &amp; U S</b>	<b>3 hours</b>
	An intensive study of the relations between Latin America and the United States.	
<b>HIST 465G</b>	<b>MEXICAN REPUBLIC</b>	<b>3 hours</b>
	A study of Mexico from 1824 to the present.	
<b>HIST 471G</b>	<b>MODERN CHINA</b>	<b>3 hours</b>
	Detailed study of rise of modern China since the 17th century.	
<b>HIST 472G</b>	<b>MODERN JAPAN</b>	<b>3 hours</b>
	Analysis of modern Japanese history since 1600 with special emphasis on Japan's transformation from a feudal to a modern state.	
<b>HIST 479G</b>	<b>TOPICS/THIRD WORLD</b>	<b>3 hours</b>
	Intensive study of a selected Third World topic.	
<b>HIST 480G</b>	<b>HISTORY OF SCIENCE</b>	<b>3 hours</b>
	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.	
<b>HIST 490G</b>	<b>TOPICS IN HISTORY I</b>	<b>3 hours</b>
	Detailed study of selected topics in history.	
<b>HIST 491G</b>	<b>TOPICS IN HISTORY II</b>	<b>3 hours</b>
	Detailed study of selected topics in history.	
<b>HIST 492G</b>	<b>HISTORY OF CANADA</b>	<b>3 hours</b>
	A survey of Canada's history and heritage, with special emphasis on Canadian-American relations and interdependency.	
<b>HIST 501</b>	<b>EUR HIST/SEC TEACHERS</b>	<b>3 hours</b>

Emphasis on bibliography, documents, historical interpretations and materials useful for secondary teachers of history.

**HIST 502 US HIST/SEC TEACHERS 3 hours**

Emphasis on bibliography, documents, historical interpretations and materials for secondary teachers of history.

**HIST 505 CULTURAL DIV AMER 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.

**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.

**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.

**HIST 522 UNITED STATES SINCE 1945 3 hours**

A study of all phases of United States history since 1945.

**HIST 525 SOC/INTELLECTUAL 19TH C US 3 hours**

A study of nineteenth century American thought and its relation to our social, economic, and political institutions.

**HIST 526 SOC/INTELLECTUAL 20TH C US 3 hours**

A study of twentieth century American thought and its relation to our social, economic, and political institutions.

**HIST 527 SOC/INTEL 19C 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.

**HIST 530 AMERICAN CIVIL RIGHTS MOVEMENT 3 hours**

**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.

**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.

**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.

**HIST 541 AMER REV/EARLY REPUB 3 hours**

A study of the Confederation, the making of the Constitution, and the development of the nation through the War of 1812.

**HIST 543 CIVIL WAR/RECONSTRUCTION 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.

**HIST 544 GILDED AGE AMERICA 3 hours**

A study of American history and culture from the end of Reconstruction to the early twentieth century, emphasizing social, political, cultural, and regional development.

**HIST 545 AM 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.

**HIST 546 AM 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.

**HIST 547 HISTORY OF AMER POP CULTURE 3 hours**

Prerequisite: 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.

**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.

**HIST 553 AMERICAN WOMEN'S HISTORY 3 hours**

Social, cultural, and political history of American women from pre-colonial times to the present.

**HIST 554 LOCAL HISTORY 3 hours**

Materials, methodology and techniques employed in local history research and its integration with other fields.

**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.

**HIST 557 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.

**HIST 558 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.

**HIST 559 IMMIGRANTS IN AMER HISTORY 3 hours**

The role of immigrant groups in the building of the American nation from the colonial period to the present.

**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.

**HIST 569 COOP ED IN HISTORY 3 hours**

Practical experience in a supervised work situation with a cooperating library, museum, archives, or other appropriate historical organization.

**HIST 574 HIST/RELGN IN AMERICA 3 hours**

Survey of the development of religion in America. Among topics: separation of church and state and American civil religion.

**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.

**HIST 590 IND ADV INDIV STUDY 3 hours**

Prerequisite: 3.0 average in at least 9 hours at the graduate level. A research problem or intensive readings directed by a faculty member. May be repeated once with a different topic.

**HIST 599 THESIS RESEARCH/WRITING 1-6 hours (6 total)**

**HIST 600 MAINTAIN MATRICULATION 1-6 hours**

**HIST 605 SEM IN ANCIENT HISTORY 3 hours**

A seminar that focuses on the historical developments in and cultural achievements of Ancient Greece or Ancient Rome. May be repeated once with a different topic.

**HIST 606 SEM IN EUROPEAN HISTORY 3 hours**

Graduate seminar in such diverse areas as the Middle Ages, Renaissance, Reformation, and Nazi Germany. May be repeated once with a different topic.

**HIST 607 EARLY MODERN EUROPE 1300-1648 3 hours**

This graduate course will explore European History during the period of growth from 1300-1648, with consideration of topics such as the Renaissance, Reformation, Counter-Reformation, Early Modern Statebuilding, Thirty Years' War and Scientific Revolution.

**HIST 615 SEM IN NON-WESTERN HISTORY 3 hours**

Seminar on a selected topic or area of the non-Western world, including China, Japan, Middle East, Africa and Latin America. May be repeated once with a different topic.

**HIST 619 SEM IN US DIPLOMATIC RELATIONS 3 hours**

A study of issues, problems, and accomplishments in American foreign relations during the twentieth century. May be repeated once with a different topic.

**HIST 622 SEM AMER BORDERLANDS/WEST 3 hours**

A study of American borderlands and/or the regional West with a concentration on social, cultural, and political developments. May be repeated once with a different topic.

**HIST 630 SEM IN U S HISTORY 3 hours**

Graduate seminar in such diverse areas as Colonial America, the Federalist era, the Slavery Controversy, the U.S. since 1945. May be repeated once with a different topic.

**HIST 631 SEM IN KY HISTORY 3 hours**

A study of political, economic, social, and cultural developments in Kentucky from pioneer days to the present.

**HIST 641 READINGS IN AMERICAN HISTORY 3 hours**

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. May be repeated one time for credit with permission of instructor.

**HIST 644 READINGS IN EUROPEAN HISTORY 3 hours**

A broad survey of readings designed to acquaint students with current trends in European historiography. May cover various time periods. May be repeated one time for credit with permission of instructor.

**HORT 401G LANDSCAPE PLANTS II 2 hours**

Corequisite: HORT 402G. Prerequisite: HORT 301 or permission of instructor. 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. Lecture 2 hours.

**HORT 402G LANDSCAPE PLANTS II LAB 1 hour**

Corequisite: HORT 401G. Prerequisite: HORT 301 or permission of instructor. A laboratory course correlated with HORT 401G. Laboratory, 2 hours.

**HORT 403G LANDSCAPE DESIGN/CONSTR 2 hours**

Corequisite: HORT 404G. Prerequisite: HORT 402 and GC 105 or permission of instructor. 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. Lecture 2 hours.

**HORT 404G LANDSCAPE DES/CONST LAB 1 hour**

Corequisite: HORT 403GA laboratory course correlated with HORT 403G.

**HORT 405G NURSERY MANAGEMENT 2 hours**

Corequisite: AGRO 406G Prerequisite: AGRO 110 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.

**HORT 406G NURSERY MANAGEMENT LAB 1 hour**

Corequisite: AGRO 405GA laboratory course correlated with HORT 405G.

**HORT 407G PLANT PROPAGATION 2 hours**

Corequisite: AGRO 408G. Prerequisite: AGRO 110. 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. Lecture, two hours.

**HORT 408G PLANT PROPAGATION LAB 1 hour**

Corequisite: AGRO 407GA laboratory course correlated with HORT 407G.

**HORT 419G VEGETABLE PRODUCTION 3 hours**

Prerequisite: AGRO 110 or permission of instructor. Production of vegetables that are particularly suited for Kentucky, considering variety selection, culture, harvesting, processing, and marketing. Lecture, three hours.

**HORT 475G SELECTED TOPICS HORT 1-3 hours**

Prerequisite: Consent of instructor. Special topics acquaint advanced undergraduate students with scientific developments of current interest in agriculture. Appropriate topic titles are assigned. Lecture and assignments vary with credit. May be repeated with change in content.

**HORT 675 ADV TOPICS IN HORT 1-3 hours**

**ID 570 PRINCIPLES OF INSTRUCTIONAL DESIGN 3 hours**

Overview of principles of instructional design with consideration of historical development, professional terminology, relevant learning theories, contemporary learning systems, instructional design models and processes.

**ID 573 INST. PERFORMANCE/TASK ANALYSIS 3 hours**

Prerequisites: ID 570 or instructor approval. Analysis of contexts and classification of instructional goals by performance and task domains. Strategies for analysis of task sequences required for identification of subordinate skills including hierarchical, procedural, cluster, and integrated techniques.

**ID 577 MANAGEMENT OF INSTRUCTIONAL SYSTEMS 3 hours**

Prerequisites: ID 570 or approval of instructor. Overview of the management of instructional design projects in the context of instructional systems design. Topics include project management, instructional design and knowledge management tools for instructional delivery platforms.

**ID 581 ETHICAL & LEGAL ISSUES IN ID 3 hours**

An exploration of the legal and ethical aspects of instructional design and use of media within public and private organizations. Analysis of ethical/legal issues to specific practice.

**ID 583 TRAINING MATERIALS 3 hours**

The application of basic instructional design principles and communication strategies to the preparation of relevant instructional modules and manuals for end-users. Emphasis on transportability of ID materials and documentation.

**ID 585 DISTANCE DELIVERY SYSTEMS 3 hours**

Distance education critical concepts and issues, including theoretical foundations and current practice, are addressed. Course will explore distance learning technologies and models and engage in program development and evaluation.

**ID 587 ISSUES AND PROBLEMS IN ID 3 hours**

History of instructional design, major contributors, ID theorists, issues and trends likely to impact the field, and professional organizations.

**ID 590 PRACTICUM IN INSTRUCTIONAL DESIGN 3 hours**

Prerequisites: Completion of 21 semester hours of course work within the ID program and instructor permission. Supervised, field-based, practical experience for students within the ID program.

**ID 595 ADVANCED INSTRUCTIONAL DESIGN STUDIO 3 hours**

Prerequisites: ID 590. Development and application of an authentic professional quality product under the supervision of a faculty member.

**IECE 520 ORGANIZING PGMS/IECE 3 hours**

Prerequisites: Admission to IECE Master of Arts in Education or Planned Sixth Year programs; or instructor's permission. 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.

**IECE 521 ASSESSMENT/IECE 3 hours**

Prerequisites: IECE 522. Assessment process specific to children B-5, both with and without disabilities, and their families. Thirty clock hours field experiences required.

**IECE 522 FAMILY BASED SVCS 3 hours**

Prerequisites: CFS 577 and IECE 520. 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.

**IECE 523 PLANNING CURR INSTR IECE 3 hours**

Prerequisites: IECE 521 AND IECE 522. 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; students are responsible for their own transportation. A course fee will be assessed.

**IECE 524 INTERNSHIP/IECE 3 hours**

Repeatable for a total of 6 semester hours credit. Prerequisites: ELED 509, CD 486G, EXC 523. With the advisor's permission ELED 509, EXC 488G or EXC 523 may be taken concurrently. Supervised work with children B-5, both with and without disabilities, and their families.

**IECE 525 SPEC TOPICS IN IECE 1-3 hours**

Prerequisites: IECE 520 and IECE 521 and IECE 522 or Instructor permission. In-depth reading, investigation, and discussion of current research, issues, and/or trends in Interdisciplinary Early Childhood Education.

**IED 703 EQUITY PED & ISS 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.

**IED 704 LEADERSHIP & ETHICS 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.

**INED 530 ADVANCED DRAFTING 3 hours**

An exploration of Computer Aided Drafting, including Coordinate Systems, 3D Entities, Meshes, Attributes, Shapes, Scripts, Import and Export files suffixes, and simple AutoLisp Programming.



<b>INED 532</b>	<b>INDUSTRIAL DESIGN</b>	<b>3 hours</b>
<b>INED 542</b>	<b>IND ELECTRICITY &amp; ELECTR</b>	<b>3 hours</b>
Students will study electrical circuit design, integrated circuits, digital technology, PLC programming, robotics programming, and motor controls. A working model of an automated electro-mechanical device will serve as a capstone activity for the course.		
<b>INED 544</b>	<b>WOOD TECHNOLOGY</b>	<b>3 hours</b>
Students will explore wood as a basic industrial material. Basic properties of wood, and basic processes for separating, forming and combining wood will be explored. A presentation suitable for use as an instructional unit in wood technology will serve as a capstone for the course.		
<b>INED 548</b>	<b>GRAPHIC ARTS</b>	<b>3 hours</b>
An exploration of digital imaging, desk-top pre-press operations, and preparation of computer ready graphic files. Students will be required to scan photographic images, edit images from different sources, and produce a publication that demonstrates proficiency in graphic design.		
<b>INED 552</b>	<b>ADVANCED MACHINE SHOP</b>	<b>3 hours</b>
Students will explore metals machining processes as currently used in industry. Basic working properties of ferrous and non-ferrous metals, will be explored, and basic machine processes for separating, and forming metals will be examined. A presentation suitable for use as an instructional unit in metal processing technology will serve as a capstone for the course.		
<b>INED 560</b>	<b>METALS TECHNOLOGY</b>	<b>3 hours</b>
An exploration of metals as basic industrial materials. Properties of metals, required process allowances, cutting speeds, and finishing methods will be explored. Students will use computer simulations and engage in the development of a computer aided teaching resource for metals technology.		
<b>IT 465G</b>	<b>IND TECH FOR ELEM TCHERS</b>	<b>3 hours</b>
Prerequisite: Graduate standing. Philosophy, purposes, organization and correlation of industrial arts activities as they apply to the elementary school program.		
<b>IT 510</b>	<b>INVESTIGATN IN IND TECH</b>	<b>3 hours</b>
Individual research under the direction of a graduate faculty member.		
<b>IT 520</b>	<b>PHILOSOPHY OF IND TECH</b>	<b>3 hours</b>
The development of industrial education in Europe and America. Emphasis on influences, experiments, and trends leading to modern practices in industrial, vocational, and technical education.		
<b>IT 525</b>	<b>PLAN &amp; ORG TECH ACT</b>	<b>3 hours</b>
Curriculum practices, concepts, and trends in curriculum development and improvement of programs.		
<b>JOUR 427G</b>	<b>SCHOOL JOURNALISM</b>	<b>3 hours</b>
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.		
<b>JOUR 481G</b>	<b>PROB/MASS COMMUNICATION</b>	<b>3 hours</b>
Study of contrived and real problems involving research, planning and implementation.		
<b>LEAD 500</b>	<b>EFFECTIVE LEADERSHIP STUDIES</b>	<b>3 hours</b>
Prerequisites: Graduate standing or graduate application and completion of the admission process for Graduate Certificate in Leadership Studies.		
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.		
<b>LEAD 525</b>	<b>LEADERSHIP ETHICS</b>	<b>3 hours</b>
Prerequisite: Graduate standing. Study of contemporary ethical issues facing leaders with an emphasis on examining and analyzing ethical issues for sound solutions.		
<b>LEAD 575</b>	<b>LEADERSHIP SPECIAL TOPICS</b>	<b>3 hours</b>
Prerequisite: LEAD 500. 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. Repeatable once for credit.		
<b>LEAD 597</b>	<b>CAPSTONE IN LEADERSHIP STUDIES</b>	<b>3 hours</b>
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.		
<b>LEAD 600</b>	<b>CAPSTONE LEADERSHIP EXPERIENCE</b>	<b>1-6 hours</b>
Prerequisite: After completion of all other courses approved for the Graduate Certificate in Leadership Studies or concurrent with the last course needed for fulfillment of the certificate. An opportunity to synthesize applied		

leadership principles at the graduate level and apply them in a real-life setting. In consultation with the student's leadership studies advisor and a faculty member of one of her/his leadership studies courses, the student will demonstrate leadership abilities in area businesses, campus, non-profit, or public sector organizations or other related situations. Course is repeatable for a maximum of six credits.

**LME 407G LITERATURE/YOUNG ADULTS 3 hours**

Selection and evaluation of materials, reading guidance, and programming for young people, adolescence through young adult.

**LME 409G SELECTED TOPICS 1-3 hours**

Prerequisites: Permission of supervising faculty member. Problematic study of a selected topic under the direction of a faculty member. A formal research paper or annotated bibliography is required.

**LME 410G STORYTELLING 3 hours**

Storytelling literature, story selection and sources. Practice in oral communication.

**LME 411G CRTVE MEDIA EXP 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.

**LME 445G INTRO EDUCATIONAL TECH 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.

**LME 448G TECHNOLOGY APPS IN EDUCATION 3 hours**

Uses of technology in education for instruction and instructional management. Emphasis on evaluation and utilization of appropriate software and hardware.

**LME 475G WORKSHOP 3 hours**

Workshop classes of variable content focused on library media practice and integration of educational technology.

**LME 501 PROGRAM ORGANIZATION & ADMIN 3 hours**

Development and administration of the library media program to support the educational goals of the school. Includes school/community needs assessment, program design, implementation of evaluation, budget, and other management areas.

**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.

**LME 506 CLASS AND CATALOGING 3 hours**

Classification, descriptive and subject cataloging for print and other media forms. Compliance with national standards including MARC record format.

**LME 508 INFORMATION SOURCES & SERVICES 3 hours**

Information sources and services in school library media centers. Evaluation and use of print and electronic general reference sources, including search techniques. Emphasis on reference interview process, information literacy, and development of pathfinders.

**LME 509 INVEST IN EDUC TECHNOLOGY 1-3 hours**

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.

**LME 512 ISSUES IN LME 3 hours**

Types of information centers and their history, state and national accreditation standards, the development of communication and information technologies, the impact of technology on education, and career opportunities. Attention to legal issues like intellectual freedom, censorship, and information access.

**LME 518 ADV CHILDREN'S LIT 3 hours**

Materials available to meet the needs of children including outstanding authors, illustrators, topical issues, and the reviewing of children's books.

**LME 519 SPECIAL TOPICS IN ED TECH 3 hours**

Special topics in the field of educational technology. May be repeated once with a different topic.

**LME 527 THEMATIC YOUNG ADULT LIT 3 hours**

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.

**LME 535 SURVEY OF ED TECH 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.

**LME 537 PRIN OF ED TECH APPLICATIONS 3 hours**

Prerequisites: LME 535. 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: LME 535.

**LME 545 EDUC TECHNOLOGY PRODUCTION 3 hours**

Prerequisites: LME 537. Product design and production techniques for education and training. Utilization of various software and hardware configurations to produce electronic prototypes. Prerequisite: LME 537.

**LME 547 INTEGRATION OF EDUC TECHNOLOGY 3 hours**

Prerequisites: LME 537. Application of principles of instructional design to the integration of technology into education and training programs. Prerequisite: LME 537.

**LME 550 EMERGING TECHNOLOGY IN EDUCATION 3 hours**

Prerequisite: LME 535 or instructor approval. 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.

**LME 590 PRACTICUM 1-3 hours**

Prerequisites: Permission of the instructor; completion of 24 hours of course work including LME 501, 512, 535, and 537; and admission to candidacy. Students seeking initial Kentucky teaching certification at the graduate level must be admitted to Professional Education prior to enrollment. Field based experience in an appropriate setting under a certified library media specialist or a qualified technology coordinator. Prerequisites: LME 501 and in last term of enrollment.

**LME 591 ADVANCED PRACTICUM LME 1 hour**

Prerequisites: LME 501, LME 512, LME 537, and instructor permission. Students seeking initial Kentucky teaching certification must be admitted to Professional Education prior to enrollment. Field-based experience in an appropriate setting under a certified library media specialist; the course is for students in a certification-only or Rank I program for P-12 School Media Librarian.

**LME 599 THESIS RESEARCH/WRITING 1-6 hours (6 total)**

**LME 600 MAINTAIN MATRICULATION 1-6 hours**

**LME 737 EDUC 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.

**LTCY 421G READING IN MIDDLE SCHOOL 3 hours**

A course in reading designed to offer a detailed view of the principles, materials and methods of instruction for middle grade students. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

**LTCY 444G READ MIDDLE/SECONDARY GRADES 3 hours**

The principles, psychology, and methodologies, for teaching the general and the specialized reading skills in the middle and secondary grades. This course required for secondary English.

**LTCY 518 LTCY LEARNING AND TECHNOLOGY 3 hours**

Prerequisite: Admission to the MAE in Literacy Education program or permission of instructor. 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.

**LTCY 519 FOUNDATIONS READ INSTRUCTION 3 hours**

Analysis of the reading process with emphasis on the psychological and physiological foundations of the reading act.

**LTCY 520 CLIN DIAG READ VARIABILITY 3 hours**

Prerequisite: LTCY 519 and admission to the MAE/Literacy Program, or instructor permission. 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.

**LTCY 521 READING INTERVENTION PRACTICUM 3 hours**

Prerequisite: LTCY 520 and Admission to the MAE/Literacy Program. Instructional techniques for use with individuals or groups involved in remedial reading instruction; materials and procedures; clinical experiences with remedial students.

**LTCY 522 INVESTIGATIONS IN READING 1-3 hours**

Prerequisites: LTCY 528 and admission to the MAE/Literacy Program. Maximum total credit allowed: 3 hours. Individual investigation of the research and descriptive literature in the field of reading.

**LTCY 523 DIAGNOSTIC READING PROCEDURES 3 hours**

Prerequisite: LTCY 519 or instructor permission. Emphasizes practical methods of reading appraisal, diagnostic procedures, and materials essential for developing teaching strategies in reading instruction.

**LTCY 524 CONTENT AREA LITERACY 3 hours**

Prerequisite: LTCY 519 or instructor permission. Reading and study skills strategies and techniques to increase student achievement in content-area classes.

**LTCY 527 LTCY LEARNING CULTURE DIFF 3 hours**

Prerequisite: LTCY 519 or instructor permission. 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 to curriculum development and classroom literacy practices.

**LTCY 528 LITERACY RESCRH METH & EVAL 3 hours**

Prerequisites: LTCY 519 and Admission to the MAE/Literacy Program. Investigation and critical analysis of literacy research and theory, and completion of literacy related-research project.

**LTCY 599 THESIS RESEARCH & WRITING 1-6 hours (6 total)**

**LTCY 624 SEMINAR IN LITERACY ISSUES & TRENDS 3 hours**

Prerequisite: LTCY 519 or instructor permission. Study of literacy research focusing on issues and trends within the discipline of literacy education. Course may be repeated on different topics up to 2 times for a maximum of 9 hours. No more than 6 hours may be counted toward the MAE-Literacy Education program.

**LTCY 695 INTERNSHIP/LTCY SUPERVISION 3 hours**

Prerequisites: LTCY 521 and instructor permission. In-depth practice of the process for supervising reading professionals in assessing and researching reading problems (first semester) and developing clinical interventions (second semester). Course may be repeated once on a different focus for a total of 6 hours.

**MATH 403G GEOM EL/MID TCHRS 3 hours**

Prerequisites: MATH 205 and MATH 206 with a grade of C or better OR MATH 211 and MATH 212 with a grade of C or better or permission of instructor based on mathematical background and experience. (For students enrolled in elementary or middle grades graduate programs.) 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. (Not applicable for the M.S. degree in Mathematics or the M.A.E. degree in Secondary Education.)

**MATH 405G NUMERICAL ANALY I 3 hours**

Prerequisites: MATH 237 or 307 or 310; and CS 180 or CS 230 or permission of instructor. Computer arithmetic, roots of equations, polynomial approximation and interpolation, numerical differentiation and integration. Computer solutions of problems will be required.

**MATH 406G NUMERICAL ANALY II 3 hours**

Prerequisites: MATH 237 or 307 or 310; and either MATH 405 or CS 405. 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.

**MATH 409G HISTORY OF MATHEMATICS 3 hours**

Prerequisite: Graduate standing with at least 6 hours of undergraduate mathematics or permission of instructor. 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. (Not applicable to the M.S. degree in Mathematics).

**MATH 411G PROB SOLV EL/MG TCH 3 hours**

Prerequisites: MATH 205, MATH 206, and MATH 308 with a grade of C or better, OR MATH 211, MATH 212, and MATH 308 with a grade of C or better, OR permission of instructor based on mathematical background and experience. 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. (Not applicable to the M.S. degree in Mathematics or the M.A.E. in Secondary Education.)

<b>MATH 413G</b>	<b>ALG/TECH FOR MID GRADES TCHRS</b>	<b>3 hours</b>
Prerequisite: MATH 117 or MATH 136, with grade of C or better OR permission of instructor based on mathematical background and experience. 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. (Not applicable to the M.S. degree in Mathematics or the M.A.E. degree in Secondary Education.)		
<b>MATH 415G</b>	<b>ALG/NUMBER THEORY</b>	<b>3 hours</b>
Prerequisite: MATH 315 or 317. Survey of modern algebra and number theory. Includes number systems, divisibility, congruences, groups and their application to number theory.		
<b>MATH 417G</b>	<b>ALGEBRAIC SYSTEMS</b>	<b>3 hours</b>
Prerequisite: MATH 317. Theory of groups.		
<b>MATH 421G</b>	<b>PROB SOLV SEC TCH</b>	<b>3 hours</b>
Prerequisites: MATH 307 and MATH 310; MATH 382 and MATH 323, or permission of instructor. 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. (Not applicable to the M.S. degree in mathematics).		
<b>MATH 423G</b>	<b>GEOMETRY II</b>	<b>3 hours</b>
Prerequisite: MATH 323. An axiomatic development of plane hyperbolic geometry which presupposes a development of absolute geometry.		
<b>MATH 429G</b>	<b>PROBAB/STATS II</b>	<b>3 hours</b>
Prerequisite: MATH 237, 382. 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.		
<b>MATH 431G</b>	<b>INTER ANALYSIS I</b>	<b>3 hours</b>
Prerequisite: MATH 337 with a grade of C or better. Topics in analysis chosen from inverse and implicit function theorems, differentiation, integration, infinite series, series of functions, and introductory functional analysis.		
<b>MATH 432G</b>	<b>INTER ANALYSIS II</b>	<b>3 hours</b>
Prerequisite: MATH 431. Continuation of MATH 431.		
<b>MATH 435G</b>	<b>PARTIAL DIFF EQNS</b>	<b>3 hours</b>
Prerequisites: MATH 237, 307, and 331. Equations of first and second order; elliptic, hyperbolic and parabolic equations of mathematical physics using separation of variables and Fourier series.		
<b>MATH 439G</b>	<b>TOPOLOGY I</b>	<b>3 hours</b>
Prerequisite: MATH 317 or permission of instructor. Introduction to topology including topics selected from: topological spaces, mappings, homeomorphisms, metric spaces, surfaces, knots, manifolds, separation properties, compactness and connectedness.		
<b>MATH 450G</b>	<b>COMPLEX VARIABLES</b>	<b>3 hours</b>
Prerequisite: MATH 237. Complex number plane, analytic functions of a complex variable, integration, power series, calculus of residues, conformal representation, applications of analytic function theory.		
<b>MATH 470G</b>	<b>INTRO TO OPERAT RES</b>	<b>3 hours</b>
Prerequisite: MATH 237 and 307 or permission of instructor. Principles and techniques of operations research including linear programming, integer programming, quality theory, sensitivity analysis, and dynamic programming.		
<b>MATH 475G</b>	<b>SEL TOPICS MATH</b>	<b>1-3 hours</b>
Prerequisite: Permission of instructor. Significant problems and developments of current interest.		
<b>MATH 500</b>	<b>READINGS IN MATH</b>	<b>1-3 hours</b>
Prerequisite: Undergraduate major in mathematics. Students read and present papers that have appeared in (or have been accepted by) mathematical journals. Topics covered are determined by areas of interest.		
<b>MATH 501</b>	<b>INTRO PROB/STAT I</b>	<b>3 hours</b>
Prerequisite: Permission of instructor. Interpreting and analyzing univariate and bivariate data; data collection; planning and conducting experiments; probability and sampling distributions; statistical inference. (Not applicable to the M.S. degree in Mathematics.)		
<b>MATH 502</b>	<b>INTRO PROB/STAT II</b>	<b>3 hours</b>
Prerequisite: MATH 203 or 382 or 501; or permission of instructor. Review of linear algebra, Markov chains, decision theory, linear programming and game theory.		
<b>MATH 503</b>	<b>INTRO TO ANALYSIS</b>	<b>3 hours</b>

Examination of selected topics in elementary calculus including sequences, series, limits, continuity, the derivative, and the Riemann integral. Introductory material includes logic, set theory, and functions.

**MATH 504 COMP APP PROB MAT 3 hours**  
 Computer techniques and solutions of problems in mathematics including calculus, applied statistics, simulation, linear programming, game theory and linear algebra.

**MATH 507 MATH CONCEPTS FOR ELEM TEACHER 3 hours**  
 Prerequisites: MATH 211 and MATH 212. 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.

**MATH 508 NUMBER CONCEPTS ELEM/MID TEACH 3 hours**  
 Prerequisites: Math 211 and Math 212 or permission of instructor. 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. (Not applicable to M.S. degree in Mathematics or M.A.E. degree in Secondary Education.)

**MATH 509 HIST MODERN MATH 3 hours**  
 Prerequisite: MATH 137 or permission of the instructor. History and development of mathematics since the 18th century with an emphasis on important problems and famous mathematicians. (Not applicable to the M.S. degree in mathematics).

**MATH 511 SEC MATH ADV PERSPECTIVE I 3 hours**  
 Intended for teachers wishing to develop a deeper understanding of high school algebra and calculus. Examines links among different fields of mathematics and connections among high school, mathematics, college mathematics and higher mathematics. (Not applicable to the M.S. degree in Mathematics.)

**MATH 512 SEC MATH ADV PERSPECTIVE II 3 hours**  
 Prerequisites: Mathematics major, mathematics minor or permission of instructor. Intended for teachers wishing to develop a deeper understanding of underlying concepts of geometry. Examines relationships among different fields of mathematics and connections among high school mathematics, college mathematics and higher mathematics. (Not applicable to the M.S. degree in Mathematics).

**MATH 514 APP MODELING SEC TCHR 3 hours**  
 Prerequisites: Mathematics major, mathematics minor, or permission of the instructor. Utilizes concepts from many fields of mathematics to explore how high school and college mathematics are used in real world settings. Intended for secondary teachers. (Not applicable to the M.S. degree in Mathematics.)

**MATH 517 TOPICS FROM ALG 3 hours**  
 Prerequisite: MATH 417. Theory of rings, fields, and vector spaces. Topics include: polynomial rings, principal ideal domains, unique factorization domains, field extensions, Galois theory.

**MATH 523 TOPICS FROM GEOM 3 hours**  
 Prerequisite: Undergraduate geometry and permission of instructor. Geometry of special lines and points, isometrics, similarities, inversion, applications.

**MATH 529 APPLIED PROBABILITY 3 hours**  
 Prerequisites: MATH 431 or MATH 237 and permission of instructor. Axiomatic development of the theory of probability. Introduction to Markov chains, random variables, distributions, transformations. Limit theorems and various modes of convergence.

**MATH 531 ADV DIFF EQNS 3 hours**  
 Prerequisites: MATH 331, 431. Power series solutions, existence and uniqueness theorems, stability and Liapunov's method, regular singular points, perturbations of periodic solutions.

**MATH 532 REAL ANALYSIS 3 hours**  
 Prerequisite: MATH 432. Function spaces, additive set functions, outer measure; measurable functions, integration.

**MATH 535 ADV APPL MATH I 3 hours**  
 Prerequisites: MATH 331, 431. Eigenvalue and boundary value problems, orthogonal expansions in function spaces, classical polynomials, Sturm-Liouville theory, Fourier and Laplace transforms.

**MATH 536 ADV APPL MATH II 3 hours**  
 Prerequisite: MATH 535. Integral equations, calculus of variations, maximization of linear functionals, maximum gradient method.

**MATH 539 TOPOLOGY II 3 hours**  
 Prerequisite: MATH 439. Homotopy, homology theory.

**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.

**MATH 541 GRAPH THEORY 3 hours**  
Prerequisite: Undergraduate major in mathematics or permission of instructor. Introduction to the basic concepts of graph theory. Topics include Eulerian circuits, Hamiltonian cycles, coloring problems and planar graphs.

**MATH 550 COMPLEX ANALYSIS 3 hours**  
Prerequisites: MATH 432, 450. Analytic continuation, conformal mapping, Riemann surfaces, and univalent functions.

**MATH 560 FUNCT ANALYSIS 3 hours**  
Prerequisite: MATH 432. Theory of abstract linear spaces. Topics include: normed vector spaces, inner product spaces, Hilbert spaces, open mapping and closed graph theorems, Banach-Steinhaus theorem, weak and weak-topologies.

**MATH 570 TOP OPERATION RES 3 hours**  
Prerequisites: MATH 432, 470, or consent of instructor. Specific area(s) of operations research.

**MATH 590 SPEC TOPICS IN MATHEMATICS 3 hours**  
Prerequisite: Permission of instructor.

**MATH 599 THESIS/RESEARCH 1-6 hours (6 total)**  
**MATH 600 MAINTAINING MATRIC 1-6 hours**  
**MGE 534 MATH EDUCATION 3 hours**  
Prerequisite: Permission of instructor. Covers newer concepts in curriculum and methods of instruction, current research and problems in mathematics education. Crosslisted with SEC 534.

**MGE 545 IND INVESTIG/MGE 1-3 hours**  
Opportunity for middle school teachers to engage in concentrated study of specific problems and/or development of specific skills related to effective classroom instruction.

**MGE 570 WORKSHOP/MGE 1-3 hours**  
Activity-centered on a relevant area of study.

**MGE 571 ORG MDL GR CURR 3 hours**  
Examination of programs designed for the young adolescent. Functions, organizations, planning, and evaluation of the curriculum. Includes special curricular areas.

**MGT 570 BUSINESS GOVT LAW 3 hours**  
Development, implementation, and impact of major public policies toward business. Includes antitrust, consumer protection, conservation and environmental control, etc.

**MKT 529 IND STUDY/MARKETING 1-3 hours**  
Supervised independent study of a topic or problem culminating in a scholarly paper or problem solving report.

**MLNG 410G SECOND LANGUAGE 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.

**MLNG 420G MULTIMEDIA TECH TCHG FOR LNG 3 hours**  
Special Requirements: For graduate enrollment: teacher certification in French, German, or Spanish or permission of instructor. Pedagogical and hands-on training for in-service teachers. Students may gain permission of instructor to enroll in a section for a language other than French, German, or Spanish.

**MLNG 474G TEACHING FOREIGN LANGUAGE 3 hours**  
Corequisites: SEC 453. Prerequisites: EDU 250 and EXED 330 and EDUC 403 or SEC 351, PSY 310. 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 for this course. Students are responsible for arranging their own transportation to designated or assigned sites.

**MLNG 480G TOPICS CULTURE PEDAG 1-3 hours**  
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. May be repeated with different topics for a maximum of 6 hours of credit.

**MUS 440G CHORAL UNION 1 hour**  
Performing ensembles are open to the entire campus community. Most ensembles require an audition prior to membership, and there are varying levels of performance difficulty. Some of these ensembles are required for music degrees.

**MUS 441G UNIVERSITY CHOIR 1hour**

Performing ensembles are open to the entire campus community. Most ensembles require an audition prior to membership, and there are varying levels of performance difficulty. Some of these ensembles are required for music degrees.

**MUS 444G UNIVERSITY ORCHESTRA 1 hour**

Performing ensembles are open to the entire campus community. Most ensembles require an audition prior to membership, and there are varying levels of performance difficulty. Some of these ensembles are required for music degrees.

**MUS 445G CHAMBER SINGERS 1 hour**

Performing ensembles are open to the entire campus community. Most ensembles require an audition prior to membership, and there are varying levels of performance difficulty. Some of these ensembles are required for music degrees.

**MUS 448G BAND 1 hour**

Performing ensembles are open to the entire campus community. Most ensembles require an audition prior to membership, and there are varying levels of performance difficulty. Some of these ensembles are required for music degrees.

**MUS 449G CHAMBER MUSIC 1 hour**

**MUS 450G APPLIED MUSIC SECONDARY 1 hour**

Applied study intended for beginners and requires no audition.

**MUS 453G APPLIED MUSIC PRINCIPAL 2 hours**

Applied study assumes graduate-level proficiency.

**MUS 471G JAZZ ENSEMBLE 1 hour**

Performing ensembles are open to the entire campus community. Most ensembles require an audition prior to membership, and there are varying levels of performance difficulty. Some of these ensembles are required for music degrees.

**MUS 500 THEORY SEMINAR 3 hours**

**MUS 509 GEN MUS ELEM/MIDDLE SCH 3 hours**

Includes advanced study of contemporary elementary music education trends, methodologies, instructional techniques, and materials. Expands contemporary instructional methods.

**MUS 511 INVESTIG/MUSIC EDUCATION 3 hours**

Problems and methods of research in music education. Includes application of pure and action research and investigation of published research in music education.

**MUS 512 MUSIC EDUCATION WORKSHOP 3 hours**

A variable topic workshop that may be repeated for a total of six hours.

**MUS 513 IND DIR STUDY/MUSIC ED 3 hours**

Research projects in music education.

**MUS 514 GEN MUS/SECONDARY SCHOOL 3 hours**

Training the music teacher to provide orientation experiences for junior and senior high school non-performers.

**MUS 517 ARTS/HUMANITIES FOR P-5 INSTRUCTION 3 hours**

**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.

**MUS 525 MUSIC & THE HUMAN EXPER 3 hours**

An investigation and study of the art of music encompassing the historical, philosophical, psychological and sociological tenets of the discipline.

**MUS 530 MUSIC LITERATURE 3 hours**

Investigation of a specialized area not covered in other music literature courses.

**MUS 538 IND DIR STUDY/THEORY-LIT 3 hours**

Supervised private research culminating in a scholarly paper.

**MUS 559 GRADUATE RECITAL 2 hours**

**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.

**NURS 450G RURAL HLTH & SFTY 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.



- NURS 490G PARISH NURSING 3 hours**  
Prerequisite: Permission of instructor. An exploration of the dimensions of parish nurse practice, its key concepts, and how it is practiced using the nursing process. Registered nurses who successfully complete the core curriculum can be recognized as parish nurses by the International Parish Nurse Resource Center. Baccalaureate nursing students who successfully complete the course may be recognized as parish nurses upon completion of the baccalaureate nursing program and licensure as registered nurses.
- NURS 492G FAITH COMMUNITY NURSING 3 hours**  
Prerequisites: Senior level BSN or permission of instructor. Builds upon practice of community health nursing to develop skills needed to provide nursing care for the individuals and groups in faith communities. RNs earn Faith Community Nurse Certificate upon completion.
- NURS 500 ADV PHYS AND PATHO CONCEPTS 4 hours**  
Prerequisite: Admission to graduate nursing program or completion of baccalaureate in nursing. 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.
- NURS 501 NURSING POLITICS & HLTH POLICY 2 hours**  
Prerequisite: Admission to graduate program. 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.
- NURS 503 ADVANCED HEALTH ASSESSMENT 2 hours**  
Prerequisite or Corequisite: NURS 506. 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.
- NURS 504 THEORY/FOUND/PROF NURSING 3 hours**  
Admission to MSN program, NURS 506 or corequisite NURS 506 or permission of the instructor. 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.
- NURS 505 ADV HLTH ASSESS CL 1 hour**  
Corequisites: NURS 503 Students will demonstrate advanced health assessment skills and techniques in the clinical setting.
- NURS 506 TRANSITION TO ADV NURSING PRAC 1 hour**  
Prerequisite: Admission to graduate nursing program. Focuses on the transition from the professional nursing role to an advanced nursing practice role. Legal, ethical and advanced practice issues are emphasized.
- NURS 508 ADV ISSUES/PROF NURSING 1 hour**  
Analysis and synthesis of content from NURS 501/506 and new content regarding political, legal, socioeconomic, and technological. Issues that impact advanced nursing practice.
- NURS 509 PRACTICE MANAGEMENT FOR APN 1 hour**  
Corequisites: NURS 552 or NURS 554. Focuses on legal and regulatory issues and business skills important to the management of a primary care practice for advanced practice nurses.
- NURS 510 GRAD NURSING RESEARCH 3 hours**  
Prerequisites: Admission to graduate nursing program and a graduate level statistics course prior or concurrent. 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.
- NURS 512 RESEARCH APPLICATIONS 2 hours**  
Prerequisites: Admission to graduate nursing program and completion of NURS 510. Includes interpretation, critique and communication of research findings; examine sources and application process for research funding. Written papers, oral presentations and projects required.
- NURS 515 ADV PHARMACOLOGY 4 hours**  
Prerequisite: Admission to graduate nursing program or completion of baccalaureate program in nursing. 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.

<b>NURS 518</b>	<b>CLINICAL TEACHING IN NURSING</b>	<b>3 hours</b>
Prerequisite: Admission to MSN program or permission of instructor. Essentials of clinical nursing instruction, including management of clinical experiences, clinical teaching strategies, evaluation of students, and legal/ethical problems encountered in clinical instructions.		
<b>NURS 520</b>	<b>TEACHING IN SCHOOLS NSG</b>	<b>3 hours</b>
Prerequisite: NURS 510 or corequisite NURS 510 or permission of the instructor. 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.		
<b>NURS 522</b>	<b>TEACHING NURSING INTERNSHIP</b>	<b>4 hours</b>
Prerequisite: Completion of both NURS 518 and NURS 520. This course provides the student the opportunity to implement the nurse-faculty role in an academic setting. The student works with a nurse-faculty to gain actual experience teaching nursing and refining techniques learned about the teaching-learning process.		
<b>NURS 528</b>	<b>LEADERSHIP &amp; MGMT NURS ADMIN</b>	<b>3 hours</b>
Prerequisites: NURS 504, 506, 510; BA 500, 501, 505. 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.		
<b>NURS 530</b>	<b>NURSING ADMIN PRACTICUM</b>	<b>1-3 hours</b>
Prerequisite: NURS 528. 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.		
<b>NURS 540</b>	<b>OCCUP HLTH NURS PRACT I</b>	<b>1 hour</b>
Prerequisites: NURS 506 and PH 575 or PH 402. Field experience in selected areas of advanced practice in occupational health nursing. Experiences will be planned with faculty and Preceptors that assist the student in acquiring skills related to environmental and occupational health assessment, health surveillance and health promotion in the workplace setting.		
<b>NURS 541</b>	<b>OCCUP HLTH NUR PRACT II</b>	<b>1hour</b>
Prerequisite: NURS 540. Field experience in selected areas of advanced practice in occupational health nursing. Experiences will be planned with faculty and Preceptors that assist the student in acquiring skills related to environmental and occupational health assessment, health surveillance and health promotion in the workplace setting.		
<b>NURS 542</b>	<b>OCCUP HLTH NURS PRACT III</b>	<b>3 hours</b>
Prerequisite: NURS 541. Concentrated internship experience in selected areas of advanced practice occupational health nursing. Emphasis on integration of the roles of the advanced practice occupational health nurse.		
<b>NURS 550</b>	<b>PRIMARY CARE CHILDREN</b>	<b>1-5 hours</b>
Prerequisite: Admission to graduate program and completion of NURS 500, 502, 504 and NURS 515. This course provides both didactic and clinical experience focusing on pediatric 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. Two-hour seminar; eight hours clinical per week or 120 total hours.		
<b>NURS 552</b>	<b>PRIMARY CARE: ADULTS</b>	<b>1-5 hours</b>
Prerequisites: Admission to graduate nursing and completion of NURS 550. This course provides both didactic and clinical experience focusing 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. Two-hour seminar; eight hours clinical per week or 120 total hours.		
<b>NURS 554</b>	<b>PRIMARY CARE INTERNSHIP</b>	<b>5 hours</b>
Prerequisite: Completion of both NURS 550 and NURS 552. 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. (Pass/Fail)		
<b>NURS 590</b>	<b>SPECIAL TOPICS IN NURSING</b>	<b>1-3 hours</b>
Prerequisites: Permission of instructor. Supervised individual or group study on special topics in nursing. (maximum 6 hours)		
<b>NURS 599</b>	<b>THESIS RESEARCH/WRITING</b>	<b>1-6 hours (6 total)</b>
<b>NURS 600</b>	<b>MAINTAIN MATRICULATION</b>	<b>1-6 hours</b>
<b>PE 501</b>	<b>RESEARCH METHODS IN PE</b>	<b>3 hours</b>

Selected studies in the physical education literature related to methods, materials, techniques, and planning of research studies used and conducted by the profession. (To be taken in first term of enrollment)

**PE 503 MOTOR LEARNING 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.

**PE 504 ADVANCED EXERCISE PHYSIOLOGY 3 hours**

Application of physiological principles of motor activity. Emphasis on improving instructional practices.

**PE 505 FOUND CURRIC CONSTR 3 hours**

Principles, procedures, and criteria for curriculum construction and revision, course building, and lesson planning.

**PE 508 ADAPTIVE PHY 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.

**PE 514 LAB METHODS IN EXERCISE PHYS 3 hours**

Prerequisite: Graduate Standing, acceptance into the Physical Education graduate program. Theory and application of laboratory techniques germane to research in Exercise Physiology. Includes musculoskeletal, cardiovascular, metabolic, and human performance testing.

**PE 515 PE/REC ASSESSMENT 3 hours**

Focusing on assessment tools utilized to measure motor development, fitness, motor skills, etc.

**PE 520 TEACH STRATEGIES 3 hours**

Study and application of teaching strategies utilized in the elementary and secondary physical education setting.

**PE 521 CRITICAL ANALYSIS PROF LIT 1-3 hours**

**PE 522 ADVANCED EXERCISE PRESCRIPTION 3 hours**

**PE 523 SEMINAR IN EXERCISE SCIENCE 3 hours**

**PE 524 APPLIED BIOMECHANICS 3 hours**

Advanced study of the mechanical, neuromuscular, and anatomical bases of human movement.

**PE 530 INDEP INVESTIGATION/PE 1-3 hours**

Research problems or projects in the organizational, administrative, or supervisory areas of physical education.

**PE 596 PRACTICUM IN EXERCISE SCIENCE 3 hours**

**PE 599 THESIS RESEARCH/WRITING 1-6 hours (6 total)**

**PE 600 MAINTAIN MATRICULATION 1-6 hours**

**PH 402G WORKSITE HEALTH PROMOTION 3 hours**

Prerequisite: PH 390. This course will provide specific concepts and skills needed in worksite health promotion using comprehensive health promotion and education techniques. This course will also discuss policy issues, program planning and special population interactions that are unique to the worksite setting.

**PH 443G HEALTH PROB OF 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.

**PH 444G DEATH EDUCATION 3 hours**

Prerequisite: Three hours of social or behavioral science. 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. Field trips are required.

**PH 447G HUMAN VALUES/HEALTH SCI 3 hours**

Prerequisites: PH 261 and PH 381 or appropriate background in the social, behavioral, biological, or allied health sciences. 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.

**PH 450G RURAL HLTH & SFTY 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. A fee is required for this course.

**PH 460G SCH/COM HEALTH WKSP 3 hours**

Prerequisite: Permission of instructor. Emphasizes the coordination of school and community health programs and personnel in seeking solutions for health problems.

**PH 461G COMP SCH HLTH PRO 3 hours**

Prerequisite: PH 381. 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.

**PH 462G FOLK MEDICINE 3 hours**

Crosslisted FLK 462G. This course examines the role of traditional culture in shaping attitudes and behavior related to sickness, health, and healing. Institutional, alternative and informal medical settings are discussed.

**PH 463G CONSUMER HEALTH 3 hours**

Benefits and/or hazards of and criteria for selection of health related products and services. Analysis of methods and techniques of health frauds. May include field trips.

**PH 464G WOMEN'S HEALTH 3 hours**

Prerequisites: Permission of instructor. An analysis of the major health problems of contemporary women with a special emphasis on health promotion, disease prevention, and consumer health concerns.

**PH 465G HEALTH/SAFETY/ELEM SCH 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.

**PH 466G CLINICAL HEALTH ED 3 hours**

Prerequisite: 12 hours of health. Multidisciplinary approaches for health educators in a clinical situation. Includes education of patient, health facility personnel and family. Also covers program development and discharge counseling. May include field trip.

**PH 467G DRUG ABUSE EDUCATION 3 hours**

Prerequisite: PH 100 or equivalent. 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.

**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.

**PH 469G CRITICAL ISSUES IN H & S 3 hours**

Prerequisites: PH 261 and PH 381. Research and discussion of specific local, national, and world wide health and safety problems.

**PH 501 RESEARCH METHODS 3 hours**

Methods, materials, techniques, and planning of research studies used and conducted by the profession.

**PH 510 WATERSHED MGMT AND SCIENCE 3 hours**

Watershed management and science including water resources protection, watershed health development and assessment, and environmental and water ethics.

**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.

**PH 524 APPLIED BIOMECHANICS 3 hours**

Advanced study of the anatomical, mechanical, and neuromuscular bases of human movement.

**PH 530 INDEP INVEST IN COMM HL 1-6 hours**

Research problems or projects in the area of public health.

**PH 545 HEALTH EDUC CURRICULUM 3 hours**

Prerequisite: SEC 580. Review of health curriculum guides and curriculum studies in health education.

Laboratory work in construction of curriculum guides.

**PH 546 GRADUATE INTERNSHIP 1-6 hours**

Supervised, full-time, 12 week field experience planned with various agencies, organizations, facilities, industries, and businesses with health related missions or programs, and approved by the Department of Public Health. Off campus travel required. A maximum of six hours may be earned.

**PH 548 COMMUNITY HEALTH ORGANIZATION 3 hours**

Prerequisites: Graduate standing, Public Health Education or Environmental Health concentration, or permission of instructor. 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.

**PH 560 ENVIRON MGT & RISK ASSESSMENT 3 hours**

Prerequisites: PH 584 or permission of instructor. 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.

**PH 567 ADMN COMPR SCH HLTH PROG 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.

**PH 568 STD/HIV PREV: A PUBLIC HLTH APP 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.

**PH 571 AIR QUALITY MANAGEMENT 3 hours**

Prerequisites: PH 584 or permission of instructor. 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.

**PH 572 PRACTICE/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.

**PH 575 HEALTH ED/PROGRAM PLANNING 3 hours**

Prerequisites: PH 583 and PH 587. An overview of the public health education program planning process. Assessment of educational needs at the community, institutional, and individual levels. Steps involved in planning, implementing, and evaluating health education programs to promote positive health practices in a variety of settings.

**PH 576 EDUCATION AND COMMUN TECH 3 hours**

Prerequisite: PH 587. 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.

**PH 577 ENVIRONMENTAL TOXICOLOGY 3 hours**

Toxicological principles and environmental risk assessment with emphasis on routes of exposure, biokinetics, and response to chemical stressors.

**PH 579 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.

**PH 580 INTRO 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.

**PH 581 METH PUBLIC HEALTH EDUC 3 hours**

The roles and functions of community health educators, concepts of health education, and specific methods which may be applied to health problems in the community.

**PH 582 EPIDEMIOLOGY 3 hours**

Prerequisite: 3 hours of graduate level statistics. Applications of epidemiological principles to representative occurrences of communicable and noncommunicable diseases. Emphasizes problem solving and interpretation.

**PH 583 PUBLIC HEALTH ADMIN 3 hours**

Advanced concepts of organization, administration and management of public health agencies and programs.

**PH 584 PRIN OF ENVIRONMENTAL HEALTH 3 hours**

Prerequisite: Admission to the MPH program or permission of instructor. A study of the traditional, emerging and controversial issues associated with environmental health. Biological, chemical and physical threats to human health are included.

**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.

**PH 586 VIOLENCE PREVENTION 3 hours**

Prerequisites: Graduate Standing, PH 261 and 381, or permission of the instructor. 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.

**PH 587 HEALTH BEHAVIOR 3 hours**

Models of positive health within the individual's life style. Includes types of illnesses and factors influencing health behavior.

**PH 588 PUBLIC HEALTH CAPSTONE 3 hours**

Current issues in public health.

**PH 590 PUBLIC HEALTH LAW 3 hours**

The judicial system and the development, enactment and enforcement of laws as they relate to public health.

**PH 591 HEALTH PROGRAM EVALUATION 3 hours**

Prerequisite: 12 hours of graduate public health course work including 3 hours of statistics. Introduces methods of undertaking evaluations of the efficiency and effectiveness of public health programs.

**PH 595 PUBLIC HEALTH MGT OF DISASTERS 3 hours**

Prerequisites: PH 584 or permission of instructor. 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.

**PH 599 THESIS RESEARCH/WRITING 1-6 hours (6 total)**

**PH 600 MAINT MATRICULATION 1 hour**

**PHIL 401G READINGS IN PHILOSOPHY 3 hours**

An intensive study of selected philosophic classics or readings in a selected area of philosophy. May be repeated for different topics.

**PHIL 415G ADVANCED LOGIC 3 hours**

Prerequisite: PHIL 110 or PHIL 115 and permission of the instructor. 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.

**PHIL 426G PHILOSOPHY AND OLD AGE 3 hours**

Examination of philosophical themes bearing on old age, such as: meaning, memory, selfhood, autonomy, immortality, euthanasia, filial obligation, intergenerational justice, authority, dignity, virtue/vice, beauty.

**PHIL 499G IND RESEARCH IN PHIL 3 hours**

Directed study and research in one area of philosophy. The research will culminate in an acceptable thesis.

**PHIL 598 HUMANITIES ESSAY 3 hours**

**PHYS 402G LAB APP MODERN PHYS I 1 hour**

Prerequisites: PHYS 302 and PHYS 321 and MATH 327. Corequisite: PHYS 420G. Required for students enrolled in PHYS 420G. Laboratory experience focusing on applications of modern optics and astrophysics.

**PHYS 403G LAB APP MODERN PHYS II 1 hour**

Prerequisites: PHYS 302 and PHYS 321 and MATH 327. Corequisites: PHYS 430G. Required for students enrolled in PHYS 430G. Laboratory experience focusing on applications of solid state and nuclear physics.

**PHYS 404G LAB OPTICS 1 hour**

Corequisite: PHYS 441G. The conclusions and concepts of optics and techniques of experimental optics.

**PHYS 409G LAB EXPER PHY/RES TECH 1 hour**

Prerequisite: Two years of college physics. Laboratory techniques in experimental research, includes drawing and fabrication of apparatus, technical photography, and statistical treatment of data.

**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.

**PHYS 420G APP MODERN PHYS I 3 hours**

Prerequisites: PHYS 302 and PHYS 321 and MATH 327. Corequisite: PHYS 402G. An advanced-level survey of principles and applications of contemporary physics, focusing on modern optics and astrophysics.

**PHYS 430G APP MODERN PHYS II 3 hours**

Prerequisites: PHYS 302 and PHYS 321 and MATH 327. Corequisite: PHYS 403G. An advanced-level survey of principles and applications of contemporary physics, focusing on solid state and nuclear physics.

**PHYS 431G RADIATION BIOPHYSICS 1-4 hours**

Prerequisites: PHYS 201-202 or PHYS 231-232. 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.

**PHYS 440G ELECTROMAGNETISM I 3 hours**

Introduction to the study of classical electromagnetic fields, including electrostatics.

**PHYS 441G OPTICS 3 hours**

Corequisite: PHYS 404G. Prerequisite: One year of college physics and one year of calculus. Geometrical and physical optics including wave propagation, refraction, dispersion, diffraction, and polarization

**PHYS 445G ELECTROMAGNETISM II 3 hours**

Study of classical electrodynamics with emphasis on Maxwell's equations, electromagnetic waves, dispersion and radiation.

**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.

**PHYS 465G GEOPHYSICS 3 hours**

(Also cross-listed as GEOL 465) Prerequisites: GEOL 111 and one year of college physics or permission of the instructor. General and exploration geophysics. Topics include the origin of the earth and the solar system, the earth's interior, gravity and isostasy, seismology, upper atmosphere, continents and ocean basins, etc.

**PHYS 475G TOPICS/PHYSICS 1-3 hours**

Directed study under the supervision of a faculty member. May be repeated with different topic.

**PHYS 480G QUANTUM MECHANICS 3 hours**

Prerequisites: PHYS 320, 350, 450. Fundamental principles of quantum mechanics including the hydrogen and helium atoms, the harmonic oscillator, and the Schroedinger wave equation.

**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.

**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.

**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.

**PHYS 505 INVESTIGATIONS/PHYSICS 3 hours**

Topics of individual interest relating to the teaching of physics.

**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 a 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.

**PHYS 510 METHODS IN MATH PHYSICS 3 hours**

**PHYS 511 MODELING PHYSICS I 6 hours**

Prerequisite: One year of math-based physics at the college level. 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.

<b>PHYS 512</b>	<b>MODELING PHYSICS II</b>	<b>6 hours</b>
Prerequisite: One year of math-based physics at the college level. 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.		
<b>PHYS 516</b>	<b>CLASSROOM PHYSICS TEACHING</b>	<b>3 hours</b>
Prerequisites: PHYS 511 or PHYS 512; must be instructor in a physical science course as verified by a letter from school principal or equivalent. Designed to assist new physics instructors in teaching physics. Includes constructing and using laboratory equipment, implementing research-based curriculum, and assessments in physics.		
<b>PHYS 518</b>	<b>APPLIED SCIENCE ED RESEARCH</b>	<b>3 hours</b>
Prerequisites: PHYS 511 or PHYS 512; must be instructor in a physical science course as verified by a letter from school principal or equivalent. Help instructors to make practical connections between discipline-based science education research in physic and other areas with their own classroom teach. Students will read original research, document examples in classroom, and evaluate and modify curricular materials.		
<b>PHYS 519</b>	<b>PHYS SCI EDUCATION RESEARCH</b>	<b>3 hours</b>
Prerequisite: PHYS 518 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.		
<b>PHYS 520</b>	<b>ATOMIC AND MOLECULAR</b>	<b>3 hours</b>
<b>PHYS 530</b>	<b>STATISTICAL PHYSICS</b>	<b>3 hours</b>
<b>PHYS 540</b>	<b>ELECTROMAGNETIC THEORY</b>	<b>3 hours</b>
<b>PHYS 550</b>	<b>CLASSICAL MECHANICS</b>	<b>3 hours</b>
<b>PHYS 560</b>	<b>PHYSICS IN HOMELAND SECURITY</b>	<b>3 hours</b>
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.		
<b>PHYS 570</b>	<b>NUCLEAR / RADIOLOGICAL DETECTION</b>	<b>3 hours</b>
Corequisites: PHYS 571 Prerequisites: PHYS 560. An advanced study of the fundamental principles of nuclear physics and their applications for detection and remediation of nuclear and radiological threats.		
<b>PHYS 571</b>	<b>NUCLEAR / RADIOLOGICAL DETECTION LAB</b>	<b>1 hour</b>
Corequisite: PHYS 570 Prerequisite: PHYS 560. Required for students enrolled in Physics 570 (Nuclear/Radiological Detection and Remediation). 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.		
<b>PHYS 580</b>	<b>QUANTUM THEORY</b>	<b>3 hours</b>
<b>PHYS 590</b>	<b>PHYSICS OF CBE DETONATION</b>	<b>3 hours</b>
Corequisite: PHYS 591 Prerequisites: PHYS 570 or equivalent. The course explores physical principles behind chemical agent, biological agent and explosives detection and remediation, and examines current detection techniques and systems deployed.		
<b>PHYS 591</b>	<b>CBE PHYSICS LAB</b>	<b>1 hour</b>
Corequisite: PHYS 590 Prerequisites: PHYS 570 or equivalent . Explores physical principles behind chemical agent, biological agent and explosives detection and remediation. Examines current detection techniques and systems deployed.		
<b>PHYS 598</b>	<b>GRADUATE SEMINAR</b>	<b>0.5 hours</b>
<b>PHYS 599</b>	<b>THESIS RESEARCH / WRITING</b>	<b>1-6 hours</b>
Prerequisites: PHYS-570 or CHEM-572 or BIOL-552 (core courses of Level 2). Thesis research / writing.		
<b>PHYS 600</b>	<b>MAINT MATRIC</b>	<b>1-6 hours</b>
<b>PHYS 660</b>	<b>THEORY OF SOLIDS</b>	<b>3 hours</b>
<b>PHYS 670</b>	<b>THEORETICAL NUCLEAR PHY</b>	<b>3 hours</b>
<b>PHYS 675</b>	<b>AD TOPICS IN PHYSICS</b>	<b>1-3 hours</b>
<b>PS 415G</b>	<b>FEDERALISM &amp; PUB POLICY</b>	<b>3 hours</b>
Prerequisite: PS 110 or permission of instructor. A study of the nature and impact of American federalism, including its historical, fiscal, economic, and political significance.		
<b>PS 417G</b>	<b>LOCAL &amp; REG GOVERNMENT</b>	<b>3 hours</b>



Prerequisite: Permission of instructor. A study and analysis of contemporary trends in local and regional governmental structure and activity; focuses on problems associated with the politics and policies found in local and regional governments, and how changes in local and regional communities affect the governmental process.

**PS 500 WORKSHPS PUBLIC ADMINISTRATION 1.5 hours**

**PS 501 METH POLITICAL INQUIRY 3 hours**

Emphasizes important and changing topics relevant to people working in the public, not-for-profit, and private sectors. 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 to their own job settings. Course topics will vary by semester to include grant writing, strategic planning, lobbying and others. May be repeated for up to 6 hours of credit.

**PS 505 WASHINGTON INT & SEMINAR 3-6 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.

**PS 510 PROB IN NAT GOVERNMENT 3 hours**

Research, reports, and discussion of selected aspects of national government.

**PS 511 SEMINAR IN STATE GOVT 3 hours**

Selected problems of state governments and their sub-units.

**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.

**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.

**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.

**PS 538 ETHICS AND BUREAUCRACY 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.

**PS 540 SEM IN PUBLIC SECTOR ORG 3 hours**

Analysis of behavior and problems of public organizations in democratic environments. Links societal values to administrative structure and behavior.

**PS 541 PUBLIC PERSONNEL ADM 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.

**PS 542 GOVT FINANCIAL ADM 3 hours**

A study of the financial administration process of government with emphasis on local government. Subjects covered range from budgeting to risk management.

**PS 543 POLITICS/ADMIN/RURAL COM 3 hours**

A study of political and administrative institutions, processes, and issues associated with local governments in rural communities.

**PS 545 SEM/PUBLIC POLICY ANAL 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.

**PS 546 SEM/PUBLIC POLICY EVAL 3 hours**

Seminar examining the various approaches and techniques for evaluating public programs.

**PS 549 SEM/PROB IN PUBLIC ADMIN 3 hours**

Seminar approach to contemporary problems in public organizations reflecting political/managerial developments; topics reflect both student and professional needs.

**PS 580 IND DIRECTED STUDY 3 hours**

Faculty guidance of student research in one or more selected fields of political science.

**PS 597 PROF SEM IN PUBLIC ADMIN 3 hours**

Principles and techniques in the practice of public administration. Case studies and contact with field professionals will be emphasized.

<b>PS 598</b>	<b>INTERN/PUBLIC ADMIN</b>	<b>3 hours</b>
Work experience in a public sector or non-profit agency combined with faculty direction.		
<b>PSY 405G</b>	<b>COGNITIVE PSY</b>	<b>3 hours</b>
Prerequisite: PSY 100. Overview of theory and research in human cognition, with primary emphasis on attention, memory, judgment and decision making, and problem solving. Cognition in special populations (e.g., elderly, brain-injured, mentally disordered) is also covered.		
<b>PSY 410G</b>	<b>PSY OF LEARNING</b>	<b>3 hours</b>
Prerequisite: PSY 100. Facts and principles of human and animal learning, especially as these have been treated in theories attempting to provide a general framework for understanding what learning is and how it takes place.		
<b>PSY 411G</b>	<b>PSY SENS/PERCEP</b>	<b>3 hours</b>
Prerequisite: PSY 100. Basic sensory mechanisms involved in taste, smell, hearing, and sight, with primary emphasis on auditory and visual perception. Topics include speech perception; visual illusions; color vision; perception of form, shape, movement, time, and space; perceptual motor coordination; and the development of perception.		
<b>PSY 412G</b>	<b>PSY MOTIV/EMOT</b>	<b>3 hours</b>
Prerequisite: PSY 100. 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.		
<b>PSY 421G</b>	<b>EARLY ADOLESCENCE</b>	<b>3 hours</b>
Prerequisite: PSY 100. Focuses on theory and research related to cognitive, personality, and social development in early adolescence. Theories are applied to important developmental contexts such as peers, families, and learning environments. Designed for students planning to meet middle grades certification requirements. Either PSY 421 or PSY 422, but not both, may be taken to satisfy the requirements of the psychology major or minor. PSY 421 may not be used to satisfy the Developmental Course Category restricted elective requirement for the major.		
<b>PSY 422G</b>	<b>ADOLESCENT PSY</b>	<b>3 hours</b>
Prerequisite: PSY 100. Introduction to behavior and development from early adolescence to adulthood, emphasizing a critical review of research and literature.		
<b>PSY 423G</b>	<b>PSY ADULT/AGING</b>	<b>3 hours</b>
Prerequisite: PSY 100. 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.		
<b>PSY 424G</b>	<b>TOPICS IN DEVELOPMENTAL PSY</b>	<b>3 hours</b>
Prerequisite: PSY 199 or PSY 321 or equivalent and graduate standing. A consideration of special topics to acquaint students with theoretical and research issues of particular interest in developmental psychology. May be repeated once for credit provided the topic differs.		
<b>PSY 430G</b>	<b>PSY OF WOMEN</b>	<b>3 hours</b>
Prerequisite: Six hours of psychology, including PSY 100. 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.		
<b>PSY 432G</b>	<b>GIFTED &amp; CREATIVE</b>	<b>3 hours</b>
Prerequisite: PSY 100. 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.		
<b>PSY 435G</b>	<b>MORAL DEVELOPMENT &amp; EDUC</b>	<b>3 hours</b>
Prerequisites: PSY 100 or equivalent and graduate standing. 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.		
<b>PSY 440G</b>	<b>ABNORMAL PSY</b>	<b>3 hours</b>
Prerequisite: PSY 100. Introduction to abnormal psychology emphasizing forms of abnormal behavior, etiology, developmental factors, interpretations, behavioral manifestations and treatment programs.		
<b>PSY 441G</b>	<b>PSY OF ALCOHOLISM</b>	<b>3 hours</b>
Intensive study of theories and research regarding alcoholism; emphasis on application of psychological theories to the treatment of alcoholism.		
<b>PSY 442G</b>	<b>INTERVIEW/SKILLS</b>	<b>3 hours</b>

Prerequisites: Six hours in PSY including PSY 100 and permission of instructor. Paraprofessional skills for conducting structured and unstructured interviews in non-therapy settings. Emphasizes skills development but also covers some theoretical material.

**PSY 443G BEHAVIOR MODIFICATION 3 hours**

Prerequisites: Six hours of psychology including PSY 100, and permission of instructor. 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.

**PSY 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.

**PSY 455G INTR CLINICAL PSY 3 hours**

Prerequisites: PSY 440 or 450. Survey of theories, models, and techniques in clinical, counseling, and school psychology. Includes emphasis on professional ethics for psychologists. Field experiences in appropriate off-campus settings may be required. Students are responsible for arranging their own transportation to designated or assigned sites.

**PSY 470G PSYCHOLOGY AND LAW 3 hours**

Prerequisites: PSY 100 or equivalent and graduate standing. Psychological knowledge that is pertinent to the legal system. Emphasis on how human characteristics and psychological factors influence attitudes, decisions, and behavior throughout the legal process. Field trips to off-campus locations will be required. Students are responsible for arranging their own transportation.

**PSY 473G TRNG BUS/INDUS 3 hours**

Prerequisites: PSY 370 or MGT 310 and 311, or permission of instructor. Theories, research and methods of training needs analysis, program design, implementation, and evaluation.

**PSY 475G GRANT WRITING 3 hours**

Prerequisite: English 300 or equivalent and graduate standing. In depth exploration of researching grant opportunities, writing and submitting grant proposals, administering grants and developing evaluation plans for collecting, analyzing and reporting data.

**PSY 480G PHYSIOLOGICAL PSYCHOLOGY 3 hours**

Prerequisites: PSY 100. Study of physiological mechanisms underlying behavior with an emphasis on current research on neurological, biochemical, and sensory mechanisms that influence behavior.

**PSY 483G EVOLUTIONARY PSYCHOLOGY 3 hours**

Prerequisites: PSY 100 or equivalent and Graduate standing. A survey of the research methods and core concepts of evolutionary psychology as they apply to human adaptive problems, including problems of survival, sex and mating, parenting and kinship, and aggression.

**PSY 485G PSY OF RELIGION 3 hours**

Prerequisites: Nine hours of PSY including PSY 100, graduate standing, PSY 201 210 and 450 are preferred but not essential. Study Classical theories and current research in the psychology of religion.

**PSY 490G RESEARCH PROJECT IN PSYCHOLOGY 1-3 hours**

Prerequisite: PSY 100 and permission of the faculty project supervisor. Advanced students will conduct research and/or readings or projects concerning issues in psychology under the direction of faculty members. The course may be repeated.

**PSY 495G HIST/SYSTEMS PSY 3 hours**

Prerequisite: Nine hours in psychology including PSY 100 and graduate standing. Overview of the main historical systems of psychology: introspectionist, functionalist, purposive, psychoanalytic, behaviorist, gestalt, existentialistic, and humanistic. Emphasizes the recent history of psychology, and the identification of important systematic trends in contemporary writings in psychology and their underlying assumptions.

**PSY 499G SENIOR SEMINAR 3 hours**

Seminar in which major concepts and issues in psychology are considered. Directed reading, guest lectures, field trips, and/or oral reports by students are utilized.

**PSY 500 TRENDS/SCIEN PSY 1-3 hours**

New developments and special topics in contemporary psychological research. May be repeated with a different topic.

**PSY 501 INTERNET INSTRUC 2 hours**



Prerequisite: PSY 560 and permission of instructor. Interpretation and integration of assessment information for use in educational settings. Includes tests, behavior ratings scales, ecological analysis, systematic observations, and functional behavioral assessment.

**PSY 562 PRAC PSY ASSESS 1-3 hours**

Corequisite: PSY 560 or 561. Prerequisite: Permission of instructor. 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.

(May be repeated)

**PSY 563 STAT/PSYCHMETRICS 3 hours**

Required of all graduate students in psychology. Introduction to psychometric theory. Emphasis on statistical techniques, construction and psychological measurement instruments.

**PSY 570 JOB ANALYSIS AND COMPENSATION 3 hours**

Overview of the I/O discipline with an emphasis on job analysis and compensation.

**PSY 571 PERSONNEL PSY 3 hours**

Prerequisite: PSY 570. Employee selection procedures, with emphasis on criterion and validity issues. Direct involvement in data collection and analysis.

**PSY 572 ORG PSY 3 hours**

Prerequisite: PSY 570. Selected topics relevant to work organizations. Emphasizes current theories and research practices.

**PSY 580 ADV PHYSIOL PSY 3 hours**

Anatomy of the nervous system, relationships among the components of the nervous system and psychological functioning.

**PSY 590 RDGS/RESRCH PSY 1-3 hours**

Prerequisite: Departmental permission only. Individual readings or research. Arrangements must be made before enrollment.

**PSY 591 INTERN COL TCHNG 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.

**PSY 592 PSY INTERNSHIP 3 hours**

Prerequisite: Permission of instructor. Field experience for clinical, school, industrial, or other psychologists. Required for Kentucky certification. Typically taken in the student's last semester in residence.

**PSY 599 THESIS RESEARCH 1-6 hours (6 total)**

**PSY 600 MAINTAIN MATRIC 1-6 hours**

**PSY 637 THEORIES OF ADDICTION 3 hours**

Prerequisites: Admission to or completion of approved graduate program in helping profession, and instructor's permission. This course involves introduction to theoretical, philosophical and historical premises of addictions. Topics include professional ethics, diversity, family roles and relationships, and dual diagnosis.

**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.

**PSY 641 THEORIES OF PSYCHOTHERAPY 3 hours**

Prerequisite: Permission of instructor. Selected theories and techniques of psychotherapy and counseling. Also covers group therapy, clinical topics, and professional and ethical issues.

**PSY 642 CLIN INTERVIEWING 3 hours**

Prerequisite: PSY 641 and permission of instructor. Continuation of 641 with emphasis on group, family, and marital psychotherapy.

**PSY 643 PSYCHOED ASSESS 3 hours**

Prerequisites: PSY 560, 561 and permission of instructor. 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. Students are responsible for arranging their own transportation to designated or assigned sites.

**PSY 645 CONSULTATION 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. Students are responsible for arranging their own transportation to designated or assigned sites.

**PSY 647                    ADDICTIONS ASSESS & DIAGNOSIS                    3 hours**

Prerequisites: Admission to or completion of approved graduate program in a helping profession, and instructor permission. 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 treatment planning.

**PSY 660                    ASSESS PERSONALITY/SOCIO-EMOTIONAL FUNCT                    3 hours**

Prerequisite: PSY 560 and permission of instructor. Personality diagnosis using objective and projective techniques with emphasis on current research interpretation, and communication of assessment information.

**PSY 662                    PRACTICUM IN PSY                    1-3 hours**

Prerequisite: Permission of instructor. 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.

**PSY 667                    CNS SUBSTNCE ABUSE                    3 hours**

Counseling issues related to substance abuse diagnosis, treatment and aftercare program.

**PSY 670                    EEO/LAW/ETHICS                    3 hours**

Prerequisite: PSY 570. 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.

**PSY 673                    ADV TRNG BUS/IND                    3 hours**

Prerequisites: PSY 571 or permission of instructor. Theories, research and methods of training needs analysis, program design, implementation, and evaluation.

**PSY 699                    SPECIALIST PROJ                    1-6 hours (6 total)**

**PSY 700                    MAINTAIN MATRIC                    1-6 hours**

**PSY 770                    LEGAL ISSUES FOR LEADERS                    3 hours**

Prerequisite: Admission to Ed.D. Program or permission of instructor. Survey of Equal Employment Opportunity laws and other employment laws and their implications for organizational leaders.

**PSY 771                    HRM FOR ORG LEADERS                    3 hours**

Prerequisite: Admission to the Ed.D. program or permission of instructor. 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.

**PSY 773                    TRAINING & DEVELOP FOR LEADERS                    3 hours**

Prerequisite: Admission to the Ed.D. program or permission of instructor. Review of training needs assessment, issues in the design and development of training programs, evaluation of training programs, methods and delivery systems for training, managing the training function and special issues in training.

**REC 404G                    RECREATION FACILITY MANAGEMENT                    3 hours**

**REC 420G                    COMMERCIAL RECREATION TOURISM                    3 hours**

Prerequisites: REC 200, REC 300, REC 302, and REC 306. Commercial recreation and tourism, including the establishment, supervision, and operation of areas and facilities.

**REC 423G                    CAMP & CONFERENCE CENTER ADMIN                    3 hours**

**REC 424G                    CAMP & CONFERENCE CENTER ADMIN                    3 hours**

Organization and administration of camp and conference center programs and facilities including history, trends, staffing, client needs, finance, marketing, and legal issues.

**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. Students are responsible for their own transportation to off campus meetings. University transportation provided when possible.

**REC 428G                    COMMUNITY CENTERS& PLAYGROUNDS                    3 hours**

**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. Students are responsible for their own transportation to off campus meetings. University transportation provided when possible.

- 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.
- REC 435G OUTDOOR EXPEDITION PLANNING 3 hours**  
Prerequisites/Corequisites: REC 335 and REC 337. Principles and techniques for planning, designing, implementing and evaluating extended outdoor expedition programs. Overnight field trips required. Students are responsible for their own transportation to off campus meetings. University transportation provided when possible.
- REC 437G OUTDOOR LEADERSHIP EXPEDITION 3 hours**  
Prerequisite/Corequisite: REC 435G or instructor permission. 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. Students are responsible for their own transportation to off campus meetings. University transportation provided when possible.
- REC 482G RECREATION WORKSHOP 1-3 hours**  
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 extended campus locations are usually required. Students are responsible for their own transportation to off-campus meetings. University transportation provided when possible.
- REC 501 RESEARCH METHODS IN REC SPORT 3 hours**  
Research terminology, design, methods, data analysis, and manuscript preparation in recreation and sport.
- REC 513 RECREATION AND SPORT ADMIN 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.
- REC 515 REC 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.
- REC 517 LEGAL ISSUES IN REC & SPORT 3 hours**  
Legal systems, legal concepts, and landmark cases influencing the recreation and sport industry.
- REC 519 FISCAL PRACTICES IN REC 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.
- REC 521 PUBLIC RELATIONS IN REC/ 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.
- REC 523 THEORY OF RECREATION AND SPORT 3 hours**  
Philosophy, theory, and ethics of recreation and sport, including current professional trends in the field.
- REC 530 ADVANCED STUDIES IN RECREATION 3 hours**  
Specific and detailed analysis of issues in recreation and sport incorporating individualized instruction between student and faculty. Restricted enrollment pending faculty approval.
- REC 532 ENVIRONMENTAL EDUC RESOURCES 3 hours**  
Experiential learning with environmental education resources. Emphasis is place 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.
- REC 542 INVEST INTERSCHOLASTIC ATH ISS 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 or rank change in Kentucky.
- REC 543 SPRT MED ADM INTERSCH ATHL 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 toward certification or rank change in Kentucky.
- REC 544 CHAMPIONSHIP EVENTS 3 hours**  
Study of the Organization and Administration of interscholastic championship events. Does not count toward certification or rank change in Kentucky.

<b>REC 590</b>	<b>PRACTICUM IN REC AND SPORT</b>	<b>3 hours</b>
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.		
<b>REC 598</b>	<b>MASTERS PROJECT IN REC &amp; SPORT</b>	<b>3 hours</b>
Prerequisite: Instructor Certification. Directed investigation of a faculty approved topic in recreation and sport culminating with the submission of a paper for publication.		
<b>REC 599</b>	<b>THESIS RESEARCH/WRITING</b>	<b>1-6 hours (6 total)</b>
<b>REC 600</b>	<b>MAINTAIN MATRICULATION</b>	<b>1-6 hours</b>
<b>RELS 401G</b>	<b>REL ST SEMINAR</b>	<b>3 hours</b>
A seminar with rotating topics designed primarily for advanced students in religious studies. May be repeated for different topics.		
<b>RELS 430G</b>	<b>CHRISTIANITY TO 1517</b>	<b>3 hours</b>
Development of Christian thought and institutions prior to the Reformation.		
<b>RELS 431G</b>	<b>CHRISTIANITY/1517-PRESEN</b>	<b>3 hours</b>
Development of Christian thought and institutions from the Reformation to the present.		
<b>RELS 499G</b>	<b>IND RESEARCH REL ST</b>	<b>3 hours</b>
Directed study and research in one area of religious studies.		
<b>RELS 501</b>	<b>SEM RELIGIOUS STUDIES</b>	<b>3 hours</b>
Specific issues in one of the areas of concentration.		
<b>RELS 510</b>	<b>SEM RELIGIOUS LITERATURE</b>	<b>3 hours</b>
Selected literature from one major religious tradition. May be repeated with different topics.		
<b>RELS 520</b>	<b>SEM RELIGIOUS HISTORY</b>	<b>3 hours</b>
Significant topics, movements, or events in the development of one major religious tradition. May be repeated with different topics.		
<b>RELS 530</b>	<b>SEM RELIGIOUS THOUGHT</b>	<b>3 hours</b>
Selected topics or thinkers from one major religious tradition. May be repeated with different topics.		
<b>SEC 445G</b>	<b>INTRO EDUC TECHNOLOGY</b>	<b>3 hours</b>
Instruction and laboratory experiences in the basic theory and application of educational technology to the design, production, evaluation, and utilization of various media. Cross listed with LME 445G.		
<b>SEC 528</b>	<b>TEACHING SECRETARIAL</b>	<b>3 hours</b>
Materials, methods, techniques, and devices for teaching typewriting, shorthand, and the related skilled subjects. Review and application of research findings to this area.		
<b>SEC 529</b>	<b>TEACHING BOOKKEEPING</b>	<b>3 hours</b>
Purposes, materials, methods, and techniques for teaching bookkeeping and basic business. Review and application of research findings to this area.		
<b>SEC 534</b>	<b>MATH EDUCATION</b>	<b>3 hours</b>
Prerequisite: Permission of instructor. Covers newer concepts in curriculum and methods of instruction, current research and problems in mathematics education. Crosslisted with MGE 534.		
<b>SEC 535</b>	<b>MUSIC EDUCATION</b>	<b>3 hours</b>
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.		
<b>SEC 537</b>	<b>SCIENCE EDUCATION</b>	<b>3 hours</b>
Prerequisite: Permission of instructor. 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. Crosslisted with MGE 537.		
<b>SEC 538</b>	<b>SOCIAL STUDIES EDUCATION</b>	<b>3 hours</b>
Prerequisite: Permission of instructor. Covers newer concepts in curriculum and methods of instruction as well as current research in social studies education. Crosslisted with MGE 538.		
<b>SEC 539</b>	<b>AGRICULTURE EDUCATION</b>	<b>3 hours</b>
Current problems in the organization, teaching supervision, administration, and evaluation of agricultural education programs. Investigation, papers, and reports.		
<b>SEC 545</b>	<b>IND INVEST CLASSRM TEACH</b>	<b>1-3 hours</b>
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.		



<b>SEC 570</b>	<b>WORKSHOP/SELECTED TOPICS</b>	<b>1-3 hours</b>
<b>SEC 580</b>	<b>CURRICULUM</b>	<b>3 hours</b>
	Philosophy, principles and practices of curriculum improvement.	
<b>SEC 599</b>	<b>THESIS RESEARCH/WRITING</b>	<b>1-6 hours (6 total)</b>
<b>SEC 600</b>	<b>MAINTAIN MATRICULATION</b>	<b>1-6 hours</b>
<b>SEC 699</b>	<b>IND SPECIALIST PROJECT</b>	<b>1-6 hours (6 total)</b>
<b>SEC 700</b>	<b>MAINTAIN MATRICULATION</b>	<b>1-6 hours</b>
<b>SFTY 470G</b>	<b>DR ED TRNG SFTY II</b>	<b>3 hours</b>
	Prerequisite: PH 370.Management of classroom and laboratory phases of the high school driver and traffic safety education program. Emphasizes simulation and range programs.	
<b>SFTY 471G</b>	<b>ADV STDY DRIV ED</b>	<b>3 hours</b>
	Prerequisite: PH 470.Advanced instructional technology to meet the needs of the driver and safety education program. Emphasizes behavioral approaches to traffic safety education.	
<b>SFTY 530</b>	<b>IND INVEST COMM HLTH</b>	<b>3 hours</b>
<b>SFTY 570</b>	<b>SCHOOL/COMM SAFETY</b>	<b>3 hours</b>
	Responsibilities, activities, and problems of school and community safety programs. Emphasizes pupil transportation programs. Also includes home, fire, traffic and transportation, industrial, and public safety.	
<b>SMED 530</b>	<b>LTCY SUPP FOR DIVERSE LEARNERS</b>	<b>3 hours</b>
	Prerequisites: Successful completion of at least one graduate SMED course. Designing literacy instruction for diverse learners in mathematics and science.	
<b>SMED 560</b>	<b>DEVELOPING PLCS FOR INSTR IMPROVEMENT</b>	<b>3 hours</b>
	Prerequisites: Admission to GSKyTeach program and permission of instructor. Students form secondary professional learning communities with Mentor and Master Teachers and analyze student performance data to improve teaching/learning.	
<b>SMED 589</b>	<b>SCIENCE AND MATH INTERNSHIP SEMINAR</b>	<b>3 hours</b>
	Corequisite: SMED 590. Connects theory to practice by helping students complete teaching tasks that demonstrate performance related to Kentucky's New Teacher Standards.	
<b>SMED 590</b>	<b>TEACHING INTERNSHIP</b>	<b>8 hours</b>
	Prerequisites: Admission to GSKyTeach program, Teacher Education, and student teaching; Corequisite: SMED 589. Supervised student teaching experience across fall and spring semesters in assigned off-campus site. Students are responsible for own transportation to off-campus site.	
<b>SMED 620</b>	<b>COLAB RSRCH IMPROVE M/SCIENCE TEACH</b>	<b>3 hours</b>
	Prerequisites: Admission to GSKyTeach program and permission of instructor. Development of skills needed to design and develop a data based action research project to be implemented during the semester.	
<b>SMED 630</b>	<b>ACTION RESEARCH PROJECT</b>	<b>1 hour</b>
	Prerequisite: SMED 620. Students present results of instructional innovation and develop conclusions about practice or process implemented in secondary math or science classroom.	
<b>SOCL 408G</b>	<b>SURVEY APPLICATIONS</b>	<b>3 hours</b>
	Prerequisite: SOCL 300 and 302 or their equivalent and permission of instructor. Student involvement in the design, conduct, analysis, and dissemination of an actual social survey research project.	
<b>SOCL 420G</b>	<b>POLITICAL SOCIOLOGY</b>	<b>3 hours</b>
	Prerequisite: Nine hours of Sociology or consent of instructor. Political behavior within a sociological perspective. Includes social cohesion, legitimacy, political socialization, and power structures.	
<b>SOCL 435G</b>	<b>FAMILY VIOLENCE</b>	<b>3 hours</b>
	Prerequisite: Six hours of sociology. 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.	
<b>SOCL 440G</b>	<b>MEDICAL SOCIOLOGY</b>	<b>3 hours</b>
	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.	
<b>SOCL 450G</b>	<b>OCCUPATIONS AND PROFESSIONS</b>	<b>3 hours</b>
	Prerequisite: SOCL 346 or consent of instructor. 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.	
<b>SOCL 470G</b>	<b>ENVIRONMENTAL SOCIOLOGY</b>	<b>3 hours</b>

Prerequisites: ENG 300, three credit hours of sociology, or consent of instructor. 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.

**SOCL 489G SOCIOLOGY STUDY ABROAD 3 hours**

Prerequisites: Consent of Instructor Sociological and cultural study in international locations. No more than three hours may be applied toward the M.A. in sociology.

**SOCL 500 SEMINAR TEACHING SOCL 2 hours**

Workshop for students who plan to teach sociology.

**SOCL 501 PRACTICUM TCHNG SOCL 1 hours**

Perquisites: SOCL 500 and 16 additional graduate hours in sociology. Seminar for students who are teaching sociology.

**SOCL 505 PROSEMINAR IN SOCIOLOGY 1 hours**

Prerequisite: First-year graduate student standing in Sociology program. Description: Socializes graduate students into the discipline and profession of sociology and acquaints them with department faculty and their interests. (Grading: Pass/Fail)

**SOCL 510 QUAL METH SOC RESEARCH 3 hours**

Prerequisite: Admission to program or consent of instructor. 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.

**SOCL 512 SOCIOLOGICAL THEORY 3 hours**

Prerequisite: Six hours of sociology or consent of instructor. Analysis of current sociological theories, including a survey of recent approaches to the construction and application of systematic theoretical models.

**SOCL 513 QUANTITATIVE METH SOC RESEARCH 3 hours**

Prerequisite: Six hours of sociology or consent of instructor. 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.

**SOCL 514 ADVANCED SOCIAL STATISTICS 3 hours**

Prerequisite: Basic statistics at the undergraduate level or consent of instructor. 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.

**SOCL 515 ADVANCED DATA ANALYSIS 3 hours**

Prerequisites: SOCL 400G, 513, 514 or equivalent. 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.

**SOCL 520 PROFESSIONAL RESEARCH/WRITING 3 hours**

Designed to assist students in writing theses, proposals, and papers for publication. Emphasizes techniques needed to locate literature and data, on the Internet, and in the library.

**SOCL 525 SURVEY OF CRIMINAL JUSTICE STUDIES 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.

**SOCL 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.

**SOCL 531 DEVIANT BEHAVIOR 3 hours**

Prerequisite: Six hours of sociology or consent of instructor. 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.

**SOCL 532 CRIMINOLOGY 3 hours**

Prerequisite: Six hours of sociology or permission of instructor. Theories of crime causation and current research in the areas of criminology and corrections and methodological research considerations.

**SOCL 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.

**SOCL 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.

**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.

**SOCL 536 JUVENILE DELINQUENCY 3 hours**

Analysis of current issues relating to children who come into contact with the juvenile justice system.

**SOCL 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.

**SOCL 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.

**SOCL 541 DEMOGRAPHY 3 hours**

Prerequisite: Six hours of sociology or permission of instructor. A review of the demographic processes such as mortality, fertility, and migration, with emphasis on measurements, methods, and analytical techniques.

**SOCL 542 COMMUNITY 3 hours**

Prerequisite: Six hours of sociology or consent of instructor. Ecological and social concepts of the community and its structure and function.

**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.

**SOCL 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.

**SOCL 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.

**SOCL 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.

**SOCL 551 SOCIOLOGY OF THE FAMILY 3 hours**

Prerequisite: Six hours of sociology or consent of instructor. Analysis of the family institution; the impact of modern culture on the family.

**SOCL 561 ADVANCED SOCIAL INTERACTION 3 hours**

Prerequisite: Six hours of sociology or permission of the instructor. 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.

**SOCL 571 TOPICAL SEMINAR SOCIOLOGY 3 hours**

Significant topics, issues, or developments in the discipline. May be repeated with a different topic.

**SOCL 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.

**SOCL 595 DIRECTED STUDY 1-3 hours**

Prerequisite: Consent of instructor and department head. Individual research in a specific area of sociology in close cooperation with supervising faculty.

**SOCL 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.

**SOCL 598 INTERN IN SOCIOLOGY 3-6 hours**

Prerequisites: Twenty-four graduate credit hours earned and the research tool successfully completed. Practical experience in a supervised work situation with a cooperating agency.

**SOCL 599 THESIS RESEARCH/WRITING 1-6 hours (6 total)**

**SOCL 600 MAINTAIN MATRICULATION 1-6 hours**



- SWRK 540 SOCIAL WORK RESEARCH METHODS 3 hours**  
Prerequisite: SWRK 500 or permission of the instructor. Basic skills, knowledge, and values of social work research methods. Introduces single subject design and program evaluation.
- SWRK 560 FOUNDATION SOC WORK FIELD I 3 hours**  
Prerequisite: Admission to the MSW Program and enrollment in SWRK 520. 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. Students are responsible for arranging their own transportation to designated or assigned sites. Grading: Pass/Fail.
- SWRK 561 FOUNDATION FIELDPRACTICUM II 3 hours**  
Prerequisite: SWRK 560. 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. Students are responsible for arranging their own transportation to designating or assigned sites. Graded: Pass/Fail.
- SWRK 571 INTRO TO KY CHILD WELFARE 3 hours**  
Special Requirement: Permission of the Instructor. 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.
- SWRK 572 FAM VIOLENCE:SWRK PRACTICE 3 hours**  
Special Requirement: Permission of Instructor. 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.
- SWRK 573 ASSESS CASE MGT CHILD SEX ABU 3 hours**  
Special Requirement: Permission of instructor. 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.
- SWRK 574 ENHANC SAFETY & PERM CHILDREN 3 hours**  
Special Requirement: Permission of instructor. 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.
- SWRK 575 ADOL ISSUES IN KYCHILD WELFARE 3 hours**  
Focuses on special issues related to adolescents and status offenders involved with the Kentucky Child Welfare system. Emphasis is on related policy issues and developing skill sets for working with adolescents within the Kentucky Child Welfare system. Issues related to both urban and rural areas will be explored.
- SWRK 610 SOC WRK ADMIN AND SUPERVISION 3 hours**  
Prerequisite: Admission to the MSW Program and completion of all 500 level courses or admission to Advanced Standing. Develop the knowledge, skills and values necessary for advanced practice focusing on the social work roles of administration and supervision.
- SWRK 612 SOCIAL WORK IN DIVERSE RURAL AREAS 3 hours**  
Prerequisites: Admission to Advanced Standing MSW Program or permission of instructor Addresses issues of diversity, including rurality, in multilevel advanced social work practice for Advanced Standing students.
- SWRK 620 ADV APPROACHES FOR RURAL PRACT 3 hours**  
Prerequisite: SWRK 521. 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.
- SWRK 622 INTEGRATED SW WITH FAMILIES 3 hours**  
This course builds on the knowledge and skills gained in 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.
- SWRK 623 SOC WRK CLINIC ASSESS/INTERVEN 3 hours**

Prerequisites: SWRK 500, 510 and 520 or advanced standing. 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.

**SWRK 630 RURAL SOCIAL WELFARE POLICY 3 hours**

Prerequisite: SWRK 530. Corequisite: SWRK 660. 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.

**SWRK 637 THEORIES OF ADDICTION 3 hours**

Prerequisites: Admission to or completion of approved graduate program in helping profession, and instructor's permission. This course involves introduction to theoretical, philosophical and historical premises of addictions. Topics include professional ethics, diversity, family roles and relationships, and dual diagnosis.

**SWRK 640 APPLIED SOCIAL RESEARCH 3 hours**

Prerequisite: SWRK 540 or advanced standing. Corequisite: SWRK 661. 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.

**SWRK 647 ADDICTIONS ASSESS & DIAGNOSE 3 hours**

**SWRK 660 ADVANCE FIELD PRACTICUM I 3 hours**

Prerequisite: Successful completion of SWRK 561 and permission of field director. Corequisite: SWRK 630. 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. Students are responsible for arranging their own transportation to designated or assigned sites. Graded: Pass/Fail.

**SWRK 661 ADVANCED FIELD PRACTICUM II 3 hours**

Prerequisite: Successful completion of SWRK 660. Corequisite: SWRK 640. 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. Students are responsible for arranging their own transportation to designated or assigned sites. Graded: Pass/Fail.

**SWRK 667 CNS SUBSTANCE ABUSE 3 hours**

**SWRK 671 SOCIAL WORK AND THE LAW 3 hours**

Prerequisite: SWRK 500 or permission of instructor. 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.

**SWRK 672 CHILD SEXUAL ABUSE 3 hours**

Prerequisite: SWRK 510, advanced standing or approval of instructor. 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.

**SWRK 673 GRIEF/LOSS ISSUES INTERVENTION 3 hours**

Prerequisite: SWRK 520 or permission of the instructor. Dynamics of grief and loss. Theories/models for interventions that are relevant for advanced direct social work practice in rural settings.

**SWRK 675 EXPRESSIVE THERAPIES 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 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".

**SWRK 695 SPECIAL TOPICS IN SOCIAL WORK 3 hours**

Prerequisite: Admission to the MSW Program or permission of the instructor. An in-depth examination of a selected topic in social work. Topics will vary. May be repeated with different topics for a total of 6 credit hours.

**SWRK 698 SELECTED READINGS IN SOC WORK 3 hours**

Prerequisite: Completion of the 1st year of MSW or advanced standing. 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.

**SWRK 699 SELECTED RESEARCH IN SOC WORK 3-6 hours (6 total)**

Prerequisite: SWRK 698. An independent study with a faculty member focusing on the completion of the research proposal initiated in SWRK 698. This course may be taken for 3 or 6 credit hours.

**TCHL 500 FOUNDATIONS OF TEACHER LEADERSHIP 3 hours**

Prerequisites: Admission to a master's or 5th year non-degree program that leads to advanced teacher preparation. 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.

**TCHL 530 CURRICULUM DEVELOPMENT 3 hours**

Prerequisites or Corequisites: TCHL 500 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.

**TCHL 540 INSTRUCTIONAL STRATEGIES 1 hour**

Prerequisites or Corequisites: TCHL 500 Examination of research-based best practices for designing and implementing classroom instruction in diverse P-12 classroom settings.

**TCHL 544 EQUITABLE SCHOOLS 1 hour**

Prerequisites or Corequisites: TCHL 500 Study of school and community partnerships designed to build equitable schools for students and families resulting in increased student achievement.

**TCHL 548 MANAGING THE LEARNING ENVIRONMENT 1 hour**

Prerequisites or Corequisites: TCHL 500 Study of classroom management principles and interventions.

**TCHL 550 ASSESS I: FUNDAMENTALS 1 hour**

Prerequisites or Corequisites: TCHL 500 Develops an understanding of validity, reliability, descriptive statistics, and professional aspects of evaluating students to improve student learning.

**TCHL 554 ASSESS II: STANDARDIZED TESTING 1 hour**

Prerequisites or Corequisites: TCHL 550 Examination of both national norm-referenced and state criterion-referenced tests and utilization of accountability data in planning for school improvement.

**TCHL 558 ASSESS III: CLASSROOM TESTS 2 hours**

Prerequisites or Corequisites: TCHL 550 Development of advanced skills for designing and creating classroom assessment instruments.

**TCHL 560 ACTION RESEARCH TEACHER LEADERS 3 hours**

Prerequisites: TCHL 550 Fundamental principles of action research in educational settings. Students will conduct an action research project in their work settings. Course should be taken after completing first 9 hours of TCHL courses.

**WOMN 421G WOMEN AND SCIENCE 3 hours**

Prerequisite: Six hours of science from General Education category D1 or permission of instructor and junior standing. Study of women's participation in natural and physical sciences, the scientific education of women, contemporary workplaces, and feminist critiques of science.

**WOMN 470G SPECIAL TOPICS IN WS 3 hours**

Prerequisites: Graduate standing and permission of the instructor. A detailed study of a specialized topic in Women's Studies.

**WOMN 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.

**WOMN 545 FEMINIST KNOWL SOC 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.

**WOMN 555 GLOBAL/CROSS-CULT PERSPEC WOMN 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.

**WOMN 575 GENDER, JUSTICE, AND SUSTAINABILITY 3 hours**

A multidisciplinary examination of political economic implications of global sustainability, with particular attention to gender and justice.

**WOMN 589 INTERNSHIP WOMEN'S STUDIES 3 hours**

**WOMN 590 DIRECTED STUDY IN WS 3 hours**

Prerequisites: Permission of the instructor. Individual research in a specific area of women's studies in close cooperation with supervising faculty in women's studies or other field.

**WOMN 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.

### Degree Programs

Program, Degree, Ref. #	Hours	Specialization/Other	GRE	Other Requirements	Contact	Page
Adult Education, MAE (047)	30	General Community & Technical College Higher Education	2200 GAP and 3.5 writing	Alternate Admission Available	270-745-4809	101
Agriculture, MS (052)	30	Secondary Ed-major (053) Secondary-Ed minor (001)	2200 GAP; 053 and 001 require 2200 GAP and 3.5 writing	053 and 001 require Teaching Certificate	270-745-3151	151
Applied Economics, MA (0410)	30			Departmental Requirements	270-745-2249	148
Art, MAE (055)	30-33		2200 GAP	Teaching Certificate	270-745-3944	178
Biology, MS (056)	30	Biochemistry, Cellular, Molecular Organismal, Ecological  Environmental Science option	2200 GAP		270-745-3696	154
Biology Education, MAE (054)	30	Secondary Ed-major (054) Secondary Ed-minor (003)	2200 GAP and 3.5 writing	Teaching Certificate and Statement of Purpose	270-745-3696	155
Business Administration, MBA (057)	30	Accounting Economics Finance General  Online program available	GMAT only: 500 Total Score and a minimum 3.5 on writing	2.75 GPA and Departmental Requirements	270-745-5458	144
Chemistry, MS (059)	30	Biochemistry, Coal Chemistry, Teacher Environmental Science option	2200 GAP		270-745-3457	158
Chemistry Education, MAE (061)	30	Secondary Ed-major (061) Secondary Ed-minor (005)	2200 GAP and 3.5 writing	Teaching Certificate		160
Communication, MA (109)	33		2200 GAP		270-745-3296	180
Communication Disorders, MS (114)	48	Online program available	2800 GAP	3.2 UG GPA, three letters of recommendation, resume, statement of purpose	270-745-4541	115
Computer Science, MS (117)	30		2200 GAP	Departmental Requirements	270-745-3651	172
Counseling, MAE (043)	60	Marriage and Family Therapy (MHMF) Mental Health Counseling (MNHC)	2200 GAP + 4.0 writing, minimum score of 900 on GRE or a min UG GPA of 2.9 on the last 30 hours of course work.	Additional Departmental Requirements	270-745-4953	36
Counselor Education, EdS (112)	30		3.5 master's GPA or 850 GRE and 4.0 Analytical Writing	Masters in Counseling or related field, teaching certificate, three letters of recommendation	270-745-4953	39
Criminology, MA (0421)	30		2200 GAP		270-745-3759	206
Education and Behavioral Science Studies, MAE (042)	30		2200 GAP and 3.5 writing	Departmental Requirements	270-745-4662	28



Educational Leadership, EdD (0010)	60	Organizational Postsecondary P-12	Contact Department	Contact Department	270-745-4890	30
Elementary Education MAE (065) EdS (118)	30	Certification endorsement for: Environmental Education Kentucky Computer Technology ESL Gifted Education	For MAE (065): 2200 GAP and 3.5 writing For EdS (118): none	For MAE (065): Teaching Certificate, Departmental Requirements For EdS (118): Teaching Certificate, Previous Master's Degree, Departmental Requirements	270-745-5414	45, 47
English, MA (067)	30	Creative Writing Education Literature Rhetoric Teaching English as a Second Language	2200 GAP	Teaching Certificate, if seeking education option	270-745-3043	183
Exceptional Education Learning and Behavior Disorders MAE (0424) Moderate/Severe Disabilities MAE (0425)	30-36		2200 GAP and 3.5 writing	Teaching Certificate Departmental Requirements	270-745-4607	62, 67
Folk Studies, MA (069)	36	Public Folklore Historic Preservation	2200 GAP		270-745-6549	187
Geography Education, MAE (133)	30		2200 GAP	Secondary Education Teaching Certificate	270-745-4555	164
Geoscience, MS (072)	30	Environmental Science option	2200 GAP		270-745-4555	162
Health Administration, MHA (153)	56		2500 GAP 3.5 writing		270-745-4797	134
History, MA (078)	33-36		2200 GAP		270-745-3842	192
History Education, MAE (111)	30		200 GAP and 3.5 writing	Teaching Certificate	270-745-3842	193
Homeland Security, MS (0413)	30		2200 GAP		270-745-4357	174
Instructional Design, MS (0428)	30		2200 GAP and 3.5 writing		270-745-5414	82
Instructional Leader- School Principal, MAE (151)	36	Education Administration (EAEA) School Leader (EASL)	2200 GAP and 3.5 writing	Teaching Certificate Departmental Requirements	270-745-4890	89
Interdisciplinary Early Childhood Education, MAE (144)	36		2200 GAP and 3.5 writing		270-745-3899	74
Leadership Dynamics, MA (0422)	33		2200 GAP or 450 GMAT		270-745-8973	210
Library Media Education, MS (083)	33	Educational Technology Library Media Kentucky Computer Technology  Online program available  RI available as second master's degree	2500 GAP and 3.5 writing	Teaching Certificate, if applicable	270-745-4607	76

Literacy Education, MAE (044)	36		2300 GAP and 3.5 writing	Teaching Certificate, Departmental Requirements	270-745-4607	61
Mathematics MS (085) MA (049)	30		3000 GAP	Teaching Certificate for MA (049)	270-745-3651	166, 170
Middle Grades Education, MAE (139)	30	Certification endorsement for: Literacy Gifted education English as a second language Instructional Computer Technology	2200 GAP and 3.5 writing, may be waived if WKU graduate	Teaching Certificate	270-745-5414	50
Music, MAE (089)	30-33		2200 GAP and 3.5 writing	Teaching Certificate	270-745-3751	198
Nursing, MSN (149)	Varies on Program	Primary Care Practitioner (MSNP) Nurse Educator (MSNE) Nurse Administrator (MSNA) Psychiatric Nurse Practitioner Occupational Health Nurse	2200 GAP	BSN, Departmental Requirements	270-745-3391	119
Physical Education, MS (090)	30	Exercise Science (PEXS) Teacher Education (TCHR)  Online Program Available	2200 GAP	Teaching Certificate if applicable, Departmental Requirements	270-745-3347	127
Psychology MA (092) EdS (147)	45-48 75	Clinical (MACL) Experimental (MAAE) General (MAGE) Industrial/Organizational (MAIN)	2200 GAP and 3.5 writing for MA (092); GRE score of 850 for EdS (147)	Departmental Requirements	270-745-2695	106, 109
Public Administration, MPA (051)	39		2200 GAP		270-745-4558	202
Public Health, MPH (152)	42	Environmental Health (PHEH) Public Health Education (PHED)	2200 GAP	Departmental Requirements	270-745-4797	131
Recreation, MS (095)	30	General Athletic Administration and Coaching	2200 GAP	Departmental Requirements	270-745-3347	129
School Administration, EdS (098)	36		GRE score of 850	Departmental Requirements	270-745-4890	92
School Counseling MAE (046)	36		2200 GAP and 3.5 writing	Teaching Certificate	270-745-4953	34

Secondary Education MAE (103) EdS (119)	30	Majors: art, biology, history, music, secondary education Minors: agriculture, art, biology, business and marketing education, chemistry, communication, earth/space science, economics, English, family and consumer science, folk studies, French, geography, German, government, health, history, industrial sciences, technology education, mathematics, physical education, physics, psychology, science area, secondary education, Spanish, theatre  Alternate Route to Teacher Certification (ARTC)  Certification endorsement for: Environmental Education Literacy Gifted education English as a second language Kentucky Computer Technology	For MAE (103): 2200 GAP and 3.5 writing  For EdS (119): none	For MAE (103): Teaching Certificate, Departmental Requirements  For EdS (103): Teaching Certificate, Master's Degree, Departmental Requirements	270-745-5414	54, 55
Social Work, MSW (157)	60 37	Traditional Advanced Standing	2200 GAP	Departmental Requirements	270-745-5312	139
Sociology, MA (105)	30-36		2200 GAP	Departmental Requirements	270-745-3759	204
Student Affairs in Higher Education, MAE (145)	48		2200 GAP and 3.5 writing	Departmental Requirements	270-745-4953	38
Technology Management, MS (045)	33-36		2200 GAP	Departmental Requirements	270-745-3251	152

### Non-Degree Programs

Communication Disorders, RI (164)					270-745-4541	116
Guidance, RI (048)				Teaching Certificate	270-745-4953	35
Elementary Education RII (091) RI (084)				Teaching Certificate	270-745-2157	48, 49
Interdisciplinary Early Childhood Education, RI (156)					270-745-3899	75
Middle Grades Education RII (154) RI (158)				Teaching Certificate	270-745-5414	51, 53
School Administration, RI (121)			2200 GAP	Teaching Certificate GRE Required	270-745-4890	94
Secondary Education RII (125) RI (124)				Teaching Certificate	270-745-5414	56, 57

### Certificate Programs

Addictions Counseling and Education (218)	15			Must be admitted to Psychology (clinical), Marriage/Family Therapy, mental Health Counseling, Nursing, Public Health, School Psychology, Social Work, or licensed or licensed eligible in one of the above areas.	270-745-4953	40
Aging Studies. Certificate (0419)	12				270-745-4797	136
Autism Spectrum Disorders (0441)	15			Master's Degree	270-745-4607	81
Community College Faculty Preparation (162)	9				270-745-2446	217
Educational Technology (167)	12				270-745-4607	80
Environmental Health and Safety (0427)	15			Bachelor's Degree in related field or Bachelor's Degree and related experience in Environmental Health Science	270-745-3759	135
Geographic Information Science (203)	12				270-745-4555	164
Historic Preservation (0423)	15				270-745-6549	190
History (165)	12	Early Modern Europe (HEME) Kentucky (HKEN) Military (HML) Modern Europe (HMEU) Social/Intellectual (HSOC) Southern (HSOU) United States (HUST)			270-745-3841	193
Instructional Design, (0418)	12				270-745-5414	84
International Student Services (0415)	15				270-745-4953	41
Leadership Studies (163)	14			Departmental Requirements	270-745-5373	212
Organizational Communication (175)	12				270-745-3296	181
Post-MSN Nurse Administrator (0420)	18			MSN	270-745-3391	126
Post-MSN Complementary Health Care (206)	9			MSN	270-745-3391	125
Post-MSN Nursing Education (172)	16			MSN	270-745-3391	124
Post-MSN Primary Care (176)	28			MSN	270-745-3391	125
Teaching ESOL (0416)	22				270-745-3043	185
Women's Studies (161)	15				270-745-6477	214

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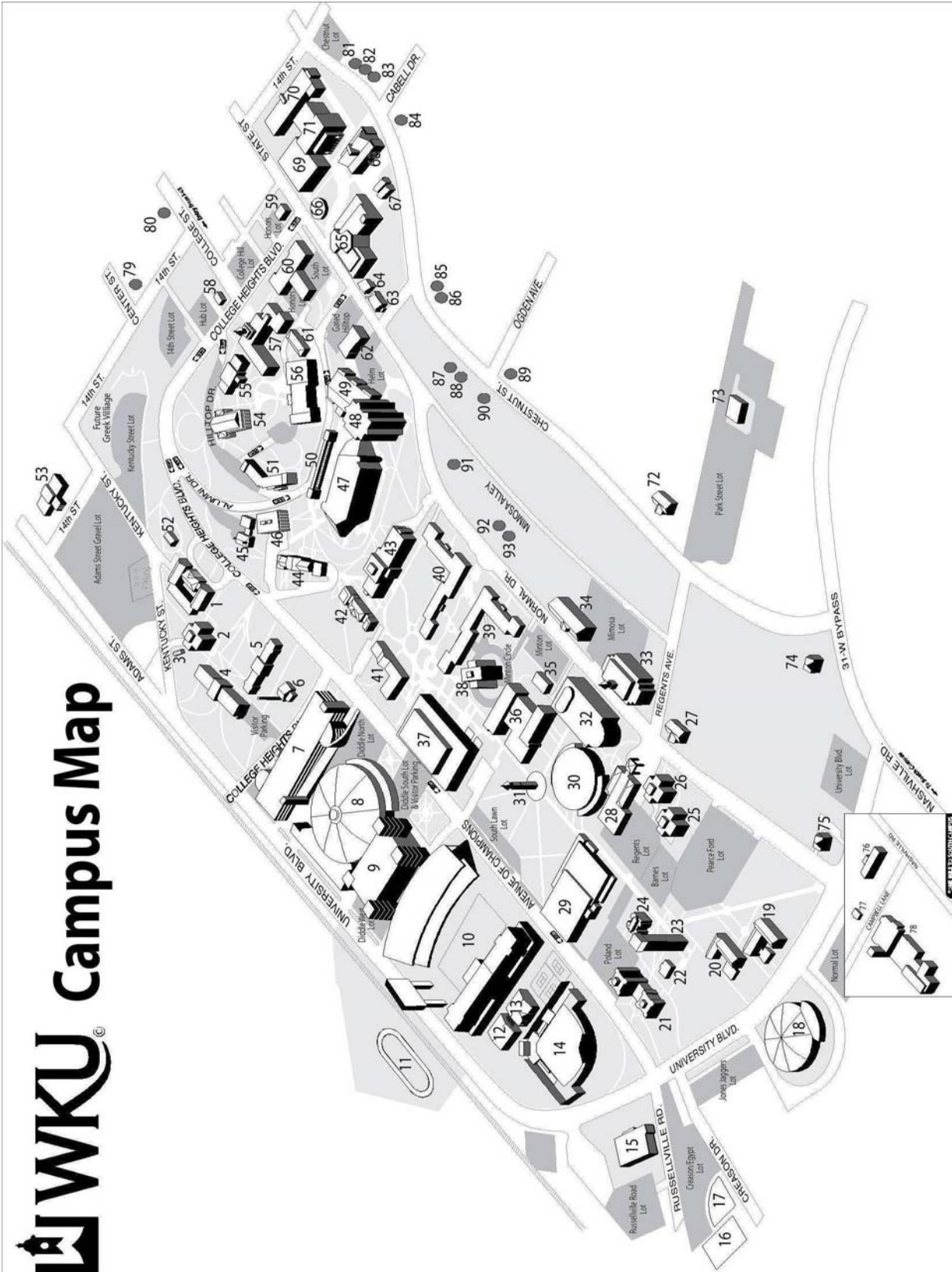
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# WKU Campus Map



### Numerical Listing

1. Welcome Center in the Kentucky Museum
2. Rodes-Harlin Hall
3. Pioneer Log Cabin
4. McCormack Hall
5. Gilbert Hall
6. Heating Plant
7. Facilities Management, Parking Structure No. 1 and WKU Police Building
8. Diddle Arena (Academic-Athletic Building No. 1)
9. Parking Structure No. 2
10. Houchens Industries L.T. Smith Stadium (Academic-Athletic Building No. 2)
11. Track and Field Complex
12. Baseball/Softball Hitting Facility
13. Baseball Clubhouse
14. Nick Denes Field
15. Supply-Services Building
16. Soccer Field
17. Softball Field
18. Jones Jagers Hall
19. Zacharias Hall
20. Meredith Hall
21. Keen Hall
22. Pearce-Ford Tower Food Court
23. Pearce-Ford Tower
24. Poland Hall
25. Barnes-Campbell Hall
26. Bemis Lawrence Hall
27. Doctoral Studies and Applied Research
28. Health Services Building
29. Raymond B. Preston Health and Activities Center
30. Tate Page Hall
31. Guthrie Tower
32. Mass Media & Technology Hall
33. College of Education and Behavioral Sciences
34. Adams-Whitaker Student Publications Center
35. Chill Water Plant
36. Academic Complex
37. Downing University Center
38. Minton Hall
39. Southwest Hall
40. Northeast Hall
41. Bates-Runner Hall
42. McLean Hall
43. Grise Hall
44. Carol Martin Gatton Academy of Mathematics & Science in Kentucky
45. Craig Alumni Center and Foundation Building
46. Wetherby Administration Building
47. Ivan Wilson Center for Fine Arts
48. Cravens Graduate Center and Library
49. Helm Library
50. Amphitheatre and William "Gander" Terry Colonnade
51. Potter Hall
52. Felts Log House
53. Clinical Education Complex
54. Van Meter Hall
55. Gordon Wilson Hall
56. Garrett Conference Center
57. Cherry Hall
58. Rock House
59. Honors College Offices
60. Science and Technology Hall
61. Faculty House
62. Industrial Education Building
63. Sofia-Downing International Center
64. Women's Studies Center
65. Environmental Sciences and Technology Building
66. Hardin Planetarium
67. Greenhouses
68. Complex for Engineering and Biological Sciences (2011 completion)
69. Thompson Complex (Central Wing)
70. Thompson Complex (North Wing)
71. Snell Hall (2010 completion)
72. President's House
73. Environmental Health and Safety
74. Faculty Center for Excellence in Teaching
75. Green River Regional Educational Cooperative/Caveland Educational Support Center
76. South Campus  
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77. Parking and Transportation
78. Center for Research and Development

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## University Information Directory

General Inquiries, Campus Operator	Wetherby Administration Building	(270) 745-0111
Advising and Retention Center	Downing University Center A330	(270) 745-5065
Career Services Center	Downing University Center 230A	(270) 745-3095
Dining Services Center	Downing University Center 124	(270) 745-2416
Disability Services	Downing University Center A200	(270) 745-5004
Distance Learning	Garrett Conference Center 104A	(270) 745-2106
Downing University Center	Downing University Center 241	(270) 745-2456
Financial Aid	Potter Hall 316	(270) 745-2755
Graduate Studies and Research	Wetherby Administration Building 207	(270) 745-2446
Health Services	Health Services Building	(270) 745-5641
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ID Center	Downing University Center 126	(270) 745-2417
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Registration	Potter Hall 2 <sup>nd</sup> floor	(270) 745-3352
Residence Life	Southwest Hall 18	(270) 745-4359
Student Records	Potter Hall 228	(270) 745-2098
Student Affairs	Potter Hall 442	(270) 745-2791
Transcripts	Potter Hall 2 <sup>nd</sup> floor	(270) 745-5448
Tuition and Fees	Potter Hall 208	(270) 745-6381
WKU IT HelpDesk	Mass Media Technology Hall 379	(270) 745-7000
WKU Police	Police Department	(270) 745-2548
<b>Colleges</b>		
Potter College of Arts and Letters	Fine Arts Center 200	(270) 745-2344
Gordon Ford College of Business	Grise Hall 445	(270) 745-6311
Bowling Green Community College	South Campus 103	(270) 780-2550
College of Education and Behavioral Sciences	Tate Page Hall 201	(270) 745-4662
Ogden College of Science and Engineering	Thompson Complex Central Wing 105	(270) 745-4449
College of Health and Human Services	Academic Complex 201B	(270) 745-7003
University College	Cherry Hall 301	(270) 745-3570
<b>Regional Campus Centers</b>		
Elizabethtown/Radcliff/Ft. Knox Center		
Elizabethtown Center	Central Regional Postsecondary Ed Center	(270) 745-5895
Ft. Knox	Ft. Knox Ed Center - Briscoe Hall	(270) 745-5079
Radcliff	Radcliff Regional Ed & Devt Center	(270) 745-3073
Glasgow Regional Campus	Glasgow Regional Center	(270) 745-5096
Owensboro Regional Campus	Owensboro	(270) 745-5095

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American Association of Colleges for Teacher Education	Institute of International Education
American Association of State Colleges and Universities (AASCU)	Kentucky Association for Continuing Higher Education
American Council on Education	National Alliance for Concurrent Enrollment Partnerships
Association for Continuing Higher Education	National Association for School Psychologists
Association of Collegiate Conference and Events Directors-International	National Association of Schools, Public Affairs and Administration
Association of Schools of Allied Health Professionals	National Collegiate Honors Council
Association of Schools of Journalism & Mass Communication	North American Association of Summer Sessions
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Accrediting Council on Education in Journalism and Mass Communications	Council on Social Work Education
American Association for Physical Activity and Recreation (AAPAR)	Department of Army
American Association for School Librarians	Engineering Accreditation
American Bar Association	Commission/Accreditation Board for Engineering & Technology (EAC/ABET)
American Chemical Society	Kentucky's Educational Professional Standards Board
American Dental Association Commission on Dental Accreditation	Kentucky State Board of Nursing
American Dietetic Association	National Association of Industrial Technology
Association for Educational Communication Technology (AECT)	National Association of Schools of Music
American Healthcare Information Management Association	National Association of Schools of Theatre
Association of University Programs in Health Care Administration	National Council for Accreditation of Teacher Education
Commission on Collegiate Nursing Education/American Association of Colleges of Nursing	National League for Nursing Accrediting Commission, Inc.
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Council on Academic Accreditation in Audiology and Speech-Language Pathology	Society of Human Resource Management
	Society of Public Health Educators and Association for the Advancement of Health Education
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